

NATIONAL ANTHEM

Nigeria, we hail thee,
Our own dear native land,
Though tribes and tongues may differ
In brotherhood we stand,
Nigerians all, and proud to serve
Our sovereign Motherland.

Our flag shall be a symbol
That truth and justice reign,
In peace or battle honour'd,
And this we count as gain,
To hand on to our children
A banner without stain.

O God of all creation,
Grant this our one request.
Help us to build a nation
Where no man is oppressed,
And so with peace and plenty
Nigeria may be blessed.

NATIONAL PLEDGE

I pledge to Nigeria my country.
To be faithful, loyal and honest.
To serve Nigeria with all my strength.
To defend her unity,
and uphold her honour and glory.
So help me God





by D7G Nigeria is implementing the renewed Hope Agenda of President Bola Ahmed Tinubu GCFR in Nigeria and Africa as a whole, particularly in the transfer of advanced military technology to Nigeria.

Among our key performance indicators are:

- 1. Construction of a Military Jetty base in Lagos for the berthing of vessels, with an additional area for the production, assembly, and storage of defense equipment, covering a land area of 160,000 square meters.
- 2. Establishment of the first African production and assembly factory for naval military ships, drones, armored vehicles, and UAVs.
- 3. Creation of the first factory in Africa that assembles, repairs, and maintains helicopters.
- 4. Assembly of SKD and CKD (semi-knockdown and completely knockdown) parts.
- 5. Production of 300 million rounds of ammunition annually.
- 6. Secure storage for military equipment and stocks.
- 7. Diplomacy and fostering relationships with other countries.
- 8. Enhanced transfer of knowledge through training.
- 9. Creation of 2,000 to 5,000 jobs in Nigeria.
- 10. Manufacturing and assembly of military 6x6 Buffalo MRAPs.
- 11. Fostering robust corporate social responsibility.





Empower the younger generation

Cultivate patience and perseverance

Our vision for Nigeria

Foster ambition to reach greater heights

> Ensure a good quality of life for all

Facilitate the transfer of knowledge and skills

Create ample employment opportunities

Our core values:

Integrity



Sustaining Global Defence Productions

Loyalty

Honesty

Patience







ACTION PLAN FOR ASSEMBLY PRODUCTION OF ARMS AMMUNITION AND OTHER DEFENCE EQUIPMENT AND SETTING UP OF THE THE FIRST MILITARY JETTY IN AFRICA BY DICON-D7G LIMITED

Sustaining Global Defence Productions

The Acrion plan of DICON- D7G are as follows:

- a. Setting up of a sign board of DICON-D7G Ltd at Kaduna.
- b. Setting up of a Show Room at Asokoro, HQ D7G office.
- **c.** Setting up of an assembly plant for small arms at DICON Factory, Kaduna. CKD of D0047, D003, 5.56mm NATO rifles, SMG, MPT 1955 7.62mm x 51mm, 7.62mmx-54mm rifles, GT7, GT8, and GT9 for civilians, PG7.
- d. Stockpiling of ammunition of different calibers and nature for immediate needs of the Armed Forces of Nigeria and other Security and Paramilitary organizations. Including African countries armed forces. Carts 12.7mmx108mm qty-1million rds, 9mmx19mm rds- 2 million rds, 5.56mmx45mm-1 million rds, 7.62mmx54mm-1million rds, 12.7mmx99mm-500,000 rds, 7.62mmx 51mm-2 million rds, 7.62mmx39mm-27million rds, 7.62mmx 54mm-5million rds (all to be delivered every 3 months). Bomb ML (60mm, 81mm, 82mm& 120mm) 40mm x 46mm, 105mm, Dack How Rocket 122mm Grad, Hand Grenade No. 36, SMK grenade, Trip Flare 20 x 102mm, S8, 23 x 152mm. OG-7 rocket (anti personnel).
- e. Commissioning of office Complex at Asokoro.
- f. Assembly of Sample MRAP Vehicle.
- g. Local training of personnel for assembly and production.
- h. Assembly of drones.





- i. Ground Breaking and Foundation laying Ceremony at the Site for First Military Jetty, Office Complex, Defence Equipment Production and Assembly Complex, Staff Clinic, Recreation facilities, Staff Quarters and ware houses.
- j. Assembly of UAVs, Security intelligence services, Security training academy.
- **k.** Assembly of day & night vision goggles, Thermal Imagers, Ground Surveillance radars, RF Jammers, Remote Control Weapon Stations, mine detecting systems, IFF, data links, Fire Control systems, Mortar systems, Mortar and Rocket detection radar systems etc.
- 1. Setting up factory for production of ammunition. Carts 7.62mmx 39mm, 7.62mmx 51mm, 7.62mmx 54mm, 9mmx19mm, 12.7mmx108mm and 12.7mmx99mm.
- **m.** Setting up a workshop for service and maintenance of A vehicles and assembly of APCs and MRAPS vehicles. 4x4 & 6x6 vehicles (CKD) at Lagos
- n. Construction of HQ DICON-D7G Ltd at Abuja.
- o. Construction of proof yard Building for filling of bombs& rockets. Rockets, Mortar bombs (60mm, 81mm&82mm, 120mm bombs), Air force Bombs (Mk 81 & Mk 82 250kg).
- **p.** Completion of Construction of Military Jetty, HQ Complex, ware houses and buildings for production/assembly of all natures of defence equipment in DICON-D7G programme.
- **q.** Ship building Dock yard for 10m 110m Ships by TAIS Shipyard Turkiye.
- **r.** Mass Production of stocks of arms, ammunition and other defence items in full capacity.







Mohammed Badaru Abubakar CON mni **Honourable Minister of Defence**

Dr. Bello Mohammed Matawalle MON Honourable Minister of State for Defence



AMB. Gabriel Tanimu Aduda **Permanent Secretary** Ministry of Defence



General Christopher Gwabin Musa **Chief of Defence Staff**



LT Gen 00 Oluyede GSS CMH FCM FCMH psc mni FTM BSc CCA **Chief of Army Staff**



Rear Admiral El Ogalla GSS psc fdc(+) Msc BSc **Chief of the Naval Staff**



Air Marshal HB Abubakar IGP Kayode Adeolu Egbetokun DFS GSS psc fdc FCMH FCM **MIADMNIM MCIPM FISPN** Chief of the Air Staff



Phd.D, NPM **Inspector General of Police** Federal Republic of Nigeria













CEO **17**6 Osman Chennar



Major General Bi Alaya Director General
Defence Industries Corporation of Nigeria



Major General Tony Obiora Adinweruka FSI, FDC, MNIM, ADG (rtd) Director



Major General Mainasara Abdul Masanawa (rtd) **Director**



Major General Adikwu Elias Attu (rtd) Director



Major General



Brigadier General Director



Rear Admiral Bamidele Olaleke Ogunkale (rtd) Morakinyo Akinkunle Abiodun (rtd) Harry Onyelukachukwu Ngonadi (rtd) Head of DICON - D7G Board of Directors



Air Vice Marshal Raimi Akanbi Salami (rtd) **Director**



Air Vice Marshal Sule Lawal (rtd) **Director**



LASBERY CHIDOZIE ONYENUFORO **Director**







Minister of Interior HON. (DR.) OLUBUNMI TUNJI-OJO





Ag Comptroller-General of Customs
MFR dsm fnipr psc (+)
BA ADENIYI



Controller General of Fire MIFIRE.E MNSE ENGR. JAJI, O. ABDULGANIYU



Chief of Defence Intelligence GSS FCM psc pisc fdc fndu ICTF FCAI MASSS MSc MAJ GEN EAP UNDIANDEYE



Commandant General PHD, mini AHMED ABUBAKAR AUDI



FCT Commandant OLUSOLA ODUMOSU





Osman Chennar is the Chairman, President, and Chief Executive Officer of D7G

Results-oriented and strategic executive with over 20 years of experience in the military equipment industry. Has achieved leading successful teams, developing innovative solutions, and driving business growth. Expertise in providing high-quality products and services and adhering to strict safety and quality standards. Skilled in cultivating relationships with government agencies and suppliers. Managing large-scale projects and budgets, and ensuring operational efficiency.



Osman Chennar CEO

Chennar conceptualised and executed the vision of partnership, DICON and D7G. Member of several business roundtable companies.

Professional Profile

D7G - Chief Executive Officer.

- . Military Equipment Company, maintenance of equipment, production and stocking of various military equipment.
- Establish and maintaining relationships with NATO, military branches, government agencies and defence contractors.
- Oversee the design, development, production and maintenance of a wide range of military equipment including vehicles, weapons systems and communication devices.
- Cultivate a positive company structure that fosters innovation, collaboration and employee engagement.
- Increase self dependency of African Nations in the defence sector by entering limited liability joint ventures with governmental organisations.
- Establishing a production line that has its own jetty in Lagos.
- Assembly of SKD's and CKD's of military equipment.
- Training and education of personnel.
- Establishing an International company responsible for mining and petroleum products.
- Create ample employment opportunities.
- Lead successful expansion initiatives into new markets, geographical regions, governmental agencies and other related industries.
- Digital Intelligence.
- · Cyber Security.
- Robust CSR which emphasises more on health and education.

Core Skills

- Strategic Planning and Execution
- Construction Management
- Business Development
- Relationship Management
- . Communication and Presentation Skills
- Budgeting and Financial Management
- Leadership and Team Building
- Project Management and Execution
- Quality Assurance and Compliance
- Quality Control and analytical skills
- . Manage Budgets and financial plans



Sustaining Global Defence Production







Director General Defence Industries Corporation of Nigeria Maj Gen Babatunde Ibrahim Alaya was born on

26 Dec 71 at Ilorin Kwara State. In

1991, he was admitted into the Nigerian Defence Academic as a member of 43rd Regular Course.

In his second year at the Nigerian Defence Academy, he was admitted into the United States Military Academy as a member of Class of 1997 in May 1993.

He graduated with honours in the top 10 per cent of his class, with a Bachelor of Science degree in Mechanical Engineering. He was commissioned Second Lieutenant on 31 May 1997 into the Nigerian Army **Electrical and Mechanical Engineering Corps.**

Maj Gen Alaya has held a number of appointments, some of which include:

- * Military Assistant to the Chief of Staff United Nations Mission in Liberia.
- * Directing Staff at the prestigious Armed Forces Command and Staff College, Jaji.
- * Directing Staff at the Canadian Land Staff Course, Ontario.
- * Assistant Director Operations at Department of Training and Operations Army Headquarters.
- * Commanding Officer Guards Brigade Workshop.
- * Ag Chief of Staff Headquarters Nigerian Army Electrical and Mechanical Engineers.
- * Comd 107 Division Equipment Support.
- * He is currently the Comd Command Engineering Depot.

Maj Gen Alaya has attended a number of courses. These include:

- * Young Officers' Course Infantry.
- * Young Officers' Course EME.
- * Officers Armament Course.
- * Airborne Course.
- * Air Assault Course United States.
- * Master Fitness Trainer Course United States.
- * Sapper Leader Course United States.
- * Officers Armoured Fighting Vehicle Course.
- * Officers Armament Course.
- * Workshop Company Commanders' Course.
- * Junior Course Canada.
- * Senior Course at the prestigious Armed Forces Command and Staff College, Jaji.
- * High War Course, Nasser Higher Military Academy, Egypt.
- * He also holds a Master in International Relations and Strategic Studies and Master in Mechanical Design and Production Engineering.

Maj Gen Alaya has the following operational experiences:

- * United Nations Mission in Liberia.
- * Operation LAFIYA DOLE and all subsidiary operations.
- * Operation HAKIN KAI and all subsidiary operations.

His decorations include:

- * MSS
- * Passed Land Staff Course (plsc +) Canada
- * psc(+)
- * Fellow Nigerian Society of Engineers







OBJECTIVE

To leverage on my skillset and experience through critical thinking and efficient utilisation of both human and material resources for the actualisation of set goals of an organization

EDUCATION

*2019: University of Horin
M.A Peace & Security Studies
*1987: Ahmadu Bello University
B.A. (Hons) Public Administration

EXPERIENCE

*2022 - 2023: Department of State Service

Director, Economic Intelligence Directorate, NHSS

*2022 - 2022:

State Director of Security (SDS), Cross River State

*2018 - 2020:

Deputy Director, Administration and Logistics, Rivers State Command

*2015 - 2018:

Deputy Director, Counter Intelligence, National Headquarters, Abuja

*2015 - 2015:

Co-Chairman, Presidential Committee on Foreign Exchange Trafficking

*2014 - 2015:

Former Security Adviser to Minister of Aviation

*2009 - 2014:

Security Liaison Officer (SLO) Nigerian Ports Authority (NPA)

*2020 - 2023:

Former Security Adviser to Senate President

*1998 - 2000:

Commander, Apapa Sea Port, Lagos

SKILLS

Law Enforcement, Crime Analysis, Administration, Human Resource Management, Counter Terrorism, Investigation, Intelligence Procurement & Analysis, Threat and Trend Analysis.

COURCES ATTENDED

National Defense Course (fdc) Peace Support Operations

Member, Nigerian Institute of Management (MNIM) National Institute for Security Studies (fsi)

Counter Terrorism Course

Interview and Elicitation Course Principal Staff Officers Course

Interrogation Course

Financial Intelligence Management Course (FIMC) Junior Management Course (JMC)

Seaport Security Operations Course Executive Protection Courses

Officer Basic Course

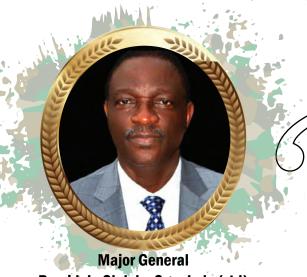




Major General

Tony Obiora Adinweruka

FSI, FDC, MNIM, ADG (rtd)
Director



Bamidele Olaleke Ogunkale (rtd)

Professional profile

An accomplished, multi - skilled Nigerian Army general and professional with 35 years of disciplined, unblemished and meritorious experience in leadership, security/national defence, engineering, defence industry, entrepreneurship, management, policy and strategic spheres. Extensive knowledge of the defence industry as the president Defence Industry Association of Nigeria (DIAN) and Director General, Defence Industry Corperation of Nigeria (DICON). Excellent, working practice in

design, civil construction works and production engineering as the Director of Army works and COREN certified engineer. As an award winner for Innovation, I have been involved on many boards and companies as both member and consultant because of wide range of expertise in standards, evaluation and administrative proficiencies over the years.

SKILLS AND EXPERIENCE

Appointments Held

- *Engineer Representative, Nigerian Army school of Artillery. *French Interpreter at EX EAGLE RINGS I and II.
- *Commanding Officer, 24 Support Engineer Regiment. *Director General, Defence Industries Corporation of Nigeria.
- *Registrar, Institute of Technology and Environmental Studies NASME Makurdi.
- *Deputy Director Combat, Department of Army Standards and Evaluation.
- *Commander, 43 Division Engineers, Jos. *Director of Army Works, Headquarters Nigerian Army Engineers, Lagos.
- *Commandant, Nigerian Army School of Military Engineering, Makurdi, Benue State.
- *Chairman, Defence Industries Association of Nigeria (DIAN). *Africa Aerospace Defence Exhibition in South Africa in 2016.

STRATEGIC VISITS

- *Defence Exhibition Attended and Foreign Assignments . *EUROSATORY 2016 Arms Exhibition in France in 2016.
- * Extensive official trips to represent the Nigerian military on series of bilateral talks, collaborative visits and Defence
- *Member of the C-in-C's entourage to China on revamping of the economy in 2016.
- *Official engagement with South African Defence Related Industries for collaborative talks in 2016.
- *Official engagement with Poly technologies Incorporated of China for the supply of raw materials for ammunition production in 2016. *Turkey-Nigerian Military Dialogue in Ankara Turkey in 2016.
- *International Exhibition on Arms and Security in Ukraine in 2017.

Tour and Assessment of Fabryka Broni facilities and products in Poland in 2017.

- *First round of Pakistan-Nigeria Staff Talk in Islamabad, Pakistan in 2017.
- *Official engagement with Sur International Investment Limited of Turkey for collaboration in 2017.
- *Head of Ministry of Defence Delegation to South Korea for Defence Acquisition Programme Administration summit in 2017.
- *Member of the Nigerian delegation to Egypt for bilateral talks in 2017.
- *International Defence Exhibition in Slovakia in 2018.
- *Official engagement with SDMS of the United Kingdom for Collaboration in 2018.
- *Official engagement with the Arab Organization for Industrialization in Egypt for collaboration in 2018.
- *Pre-shipment inspection of raw materials for the Second Phase of Ammunition Production in China in 2019.
- *Official visit to SUR Corporate wear factory, Turkey in 2019. *Mutual visit to Jordan in 2019.

PROFESSIONAL MEMBERSHIP

- * Fellow of the Nigerian Society of Engineers (FNSE). *Fellow, Nigerian Army Resource Center (FNARC).
- * Fellow of the Nigerian Institution of Mechanical Engineers (FNIMechE). * Fellow of the Nigerian Metallurgical Society of Nigeria (FNMS). * Fellow of the Nigerian Institution of Safety Engineers (FNISafetyE).
- * Fellow of the National Defence University Islamabad, Pakistan (FNDU).
- * Chartered Engineer with the Council for the Regulation of Engineering in Nigeria (COREN).







Major General (Retired) Mainasara Abdul Masanawa is the Director Land Systems, Innovation, Research and Development of DICON-D7G Limited. He joined the Nigerian Army as Second Lieutenant in 1989, commissioned into Nigerian Army Ordnance Corps. He attained several courses commensurate to his ranks both at home and abroad. He has served in both command, staff and instructions while in service. He commanded Army Central Ammunition Depot Agunu, Directing Staff at the Nigerian Army College of Logistics, Director Land Service Ammunition, Director Equipment Procurement at Army



Headquarters, Director Innovation and Concept Development at Defence Headquarters. Commandant Nigerian Army Ordnance School, Lagos and Director Policy at Defence Headquarters amongst others. He retired from the Nigerian Army on 21 December 2021 and joined DICON - D7G Ltd in August 2023. He is happily married and loves reading, travelling,

fishing and gaming.

Major General
ADIKWU ELIAS ATTU (rtd)

Maj Gen Adikwu Elias Attu (Rtd) was born on 30 Jan 69 at Lagos Island of Lagos State but hails from Benue State. Elias was admitted into the Nigerian Defence Academy (NDA) on 21 Sep 86 as a member of Regular Course 38 and was commissioned Second Lieutenant into the Nigerian Army Infantry Corps on 21 Sep 91. Attu holds a Bachelor of Science Degree (Honours) in Chemistry from the NDA and a Masters Degree in Strategic Studies from University of Ibadan and a PhD in Security and Strategic Studies from Nasarawa State University, Keffi.

Maj Gen Attu was privileged to have served in various capacities in the Nigerian Army. He was Staff Officer Grade 1 Personnel Service, Department of Administration Army Headquarters from 2006-2007 and Commanding Officer 195 Battalion from 2007-2008. Attu was a Senior Instructor and Chief Instructor (Peacekeeping Operations) at the Martin Luther Agwai International Leadership and Peace Keeping Centre from 2009-2012 and Assistant Director Transformation at the Defence Headquar-

ters. He was also a Sector Commander Special Task Force at Jos, Directing Staff and Director of Coordination at National Defence College (NDC) from 2015-2017, Commander 9 Brigade Nigerian Army Ikeja, Lagos State on 20 Jan 17, Deputy Director Nigerian Army Resource Centre Consult from April 2018 – August 2019 and presently the Deputy Commandant/Director of Studies NDC from 5 August 2019 to July 2021. He was then appointed Deputy Chief of Policy and Plans/Director Staff Duties Army Headquarters, Director Peacekeeping Operations, Defence Headquarters and Commander Defence Headquarters Garrison from where he disengaged from service in October 2023. He is currently a director with D7G Limited.



Sustaining Global



Military courses attended include Commanding Officers' Course in 2008, the UN Training Assistance Team/Mission Training Cell Course in Bangkok, Thailand in 2002, Command and Staff Operations Skill Course. He also attended the Training of Trainers Course on Leadership Teamwork and Team Management in Peace Support Operations by Africa Centre, Kings College London, Communication and Negotiation Skills Training for Peacekeepers by United States Institute of Peace amongst others. Maj Gen AE Attu is an alumni of the Harvard Kennedy School Executive Programme.

Maj Gen Attu has participated in a number of operations among which are ECOMOG OP LIBERTY 1993-1995, ECOMOG OP SANDS STORM-1998-1999, United Nations Mission in Sierra Leone 2001-2002, BAKASSI OP HARMONY 2005-2006 and OP ZAMAN LAFIA.



Brigadier General
Morakinyo Akinkunle Abiodun (rtd)

Brigadier General Morakinyo Akinkunle Abiodun who is an astute Logistician is the Director of Logistics and Marketing of DICON - D7G Limited. He joined the Nigerian Army as a Second Lieutenant in 1991, commissioned into the Nigerian Army Corps of Supply & Transport. He attended many courses both at home and abroad during his career. Morakinyo as a Logistician was trained both by the United Nations (UN) in Sierra Leone and New York when he was the Staff Officer Grade 2 United Nations Mission in

Sierra - Leone(UNAMSIL) and the North Atlantic Treaty Organisation when he attended the Partnership for Peace Logistics Officer's Course at the Norwegian Defence Institute(NODEFIC),Oslo, Norway. He was later trained at the Naval Postgraduate School, Monterey, California, USA, on Civil Military Responses to Terrorism. Morakinyo was one of the pioneer members who was trained in the Integrated Logistics Concept and also Supply Chain Management. He served in command, staff and was also an instructor while in service. Some of the units he commanded were 23 Supply & Transport Company, Yola, Adamawa State, 4 Petroleum, Oil and Lubricants Depot, Abakaliki, Ebonyi State, 82 Division Supply & Transport Command, Enugu and Deputy Commandant Nigerian Army School of Supply & Transport, Benin City, Edo State. He was also the Managing Director of Nigerian Army Post Exchange (NAPEX), Bonny Cantonment, Victoria Island, Lagos where he introduced a lot of concepts and ideas to help develop NAPEX.

Morakinyo bagged a B.Sc (Hons) Geography from the prestigious Nigerian Defence Academy, Kaduna and an M.SC (Strategic Studies) from University of Ibadan, Oyo State. He is a a Chartered Member Institute of Logistics and Transport(London) (CMILT) and also a Chartered Member of the Nigerian Institute of Management(CMNIM). He retired from the Nigerian Army on 27 October 2023 and joined DICON - D7G immediately. He is happily Married and blessed with a son. He loves travelling, driving, watching movies, listening to music and taking long walks.



Rear Admiral Harry Onyelukachukwu Ngonadi (rtd)

A strategic level distinguished Navy professional stepping forward with 35 years of experience in ashore & float Command and above water warfare techniques. Proven expertise in commanding naval operations, enhancing maritime security, and fostering international maritime cooperation. Committed to excellence, integrity, and advancing the strategic goals of the Navy. Pursuing a pivotal leadership role in the maritime sector to utilize my strategic acumen, operational proficiency, and exceptional leadership capabilities in enhancing maritime security and promoting national interests.

CAREER HIGHLIGHTS:

* Appointed as Navy Secretary, Naval HQ, thereafter Flag Officer Commanding Eastern Naval Command, and the NN foremost Command with vital national strategic and economic assets and

subsequently Director Development Defence HQ.

- * Merit of taking part in various National assignments Committee on the formulation of the New National Security Strategy anchored by the office of the National Security Adviser (NSA) and appointed by President Muhammadu Buhari in 2018 (Member, Defence and Security Think-Tank Team) to proactively and continuously examine the security in Nigeria and offer advice as necessary.
- * Attended the National and International Security Senior Executive course at Harvard Kennedy School Boston USA, and Said Business School University of Oxford course on Negotiation.
- * Attended the 2019 Effective Director Program at the prestigious Lagos Business School.





- * Served as President/ Chairman of the governing Board of Emergency, Crisis & Disaster Risk Management Institute.
- * A seasoned seaman and Fellow Chartered Institute of Shippers and a Resource person at the annual Defence Intelligence Agency Defence Adviser/ Attachee.

SIGNATURE STRENGTHS & COMPETENCIES

- * Strategic Planning and Execution
- * Naval Operations Management
- * International Maritime Cooperation
- * Leadership and Team Building
- * Budget and Resource Management
- * Operational Readiness and Training
- * Crisis and Conflict Management
- * Public Speaking and Representation
- * Performance Evaluation and Improvement
- * Policy Development and Implementation

ACHIEVEMENTS

- * NNS AGU
- * Watch Keeping Duties on Fast Attack Craft NNS ENYIMIRI
- * Missile Gunnery Officer MEKO 360
- * Frigate NNS ARADU (NN Flagship)
- * Watch Keeping Duties on Fast Attack Craft (Missile) NNS AGU
- * Aide-de-camp (ADC) to the Military Governor of Imo State (1987-1989)
- * Landing Ship Tank (LST) NNS AMBE
- * Executive Officer, Naval Air Station
- * Directing Staff, Armed Forces Command and Staff College, Jaji
- * Chief Instructor, Naval Wing, Nigeria Defence Academy, Kaduna
- * Commander, Naval Unit Abuja
- * Member, FCT Security Committee
- * Director, Personnel Release, NHQ Abuja
- * Pioneer Commander, NNS JUBILEE, Ikot Abasi, Akwa Ibom State.
- * Member, Akwa Ibom State Security Committee
 - * Pioneer, Chief Staff Officer, Central Naval Command
 - * Director Administration, NHQ, Abuja
 - * Navy Secretary (NAVSEC) NHQ Abuja
 - * Flag Officer Commanding, Eastern Naval Command, Calabar.
 - * Director, Defence Headquarters.
 - * Chief Observer, Naval Exercise for Maritime Operation (EX NEMO), an Annual Multinational Maritime Exercise sponsored by France that involves member states of the Gulf of Guinea (GOG) to work closer towards finding sustainable solutions to their collective maritime security challenges.



- * GSS-General Service Star
- * DSS-Distinguished Service Star
- * PSC+-Passed Staff College Dagger
- * Bdc (BD)-National Defence College, Bangladesh
- * MSS- Meritorious Service Star
- * FCIS-Fellow Chartered Institute of Shippers
- * FSS-Force Service Star

COURSES

- * Sub Technical Course.
- * Junior Staff Course Jaii.
- * Long Course NNS QUORRA.
- * Principal Warfare Officers Course (PWO).
- * Intelligence Course (NAPS).
- * Military Observer UN Mission

Angola (UNAVEM and MONUA).

- * Peacekeeping Mission in Angola (UNAVEM III and MONUA).
- * Senior Staff Course Jaji.
- * Higher Defence and Strategic

Course, National Defence College,



Sustaining Global Defence Production



EMPLOYMENT

1983-YYYY | Nigerian Navy

Joined as Sub Lieutenant and grew to the position of Flag Rank of Rear Admiral

- * Command and oversee large-scale naval operations, ensuring mission success and the safety of personnel and assets.
- * Develop and implement strategic plans and policies to enhance maritime security and operational readiness.
- * Coordinate joint operations with allied naval forces, fostering international cooperation and strengthening alliances.
- * Lead and manage a diverse team of officers, enlisted personnel, and civilian staff, promoting a culture of excellence and professional development.
- * Oversee the maintenance and modernization of naval vessels, aircraft, and equipment to ensure peak operational capability.
- * Assisted in planning and executing naval operations, including humanitarian missions, disaster response, and combat operations.
- * Managed the daily operations of the command, ensuring efficient and effective execution of tasks and missions.
- * Coordinated with other branches of the military and government agencies to achieve strategic objectives.

EDUCATION & CERTIFICATION

Master's degree in security studies from the Bangladesh University of Professionals, Dhaka (BUP).

PERSONAL DETAILS

- * Date of Birth: 20th Jan 1959.
- * Hobbies: golfing, reading and listening to Christian praise and worship music.
- * Languages Known: English, Native dialect of Igbo, and Portuguese.

Air Vice Marshal Raimi Akanbi SALAMI (rtd) is a well grounded retired military officer with specialty in Command, Control, Communication, Computer, Intelligence, Surveillance and Reconnaissance; Radar and Air Defence Systems deployment, integration and its efficient sustainability for effective operations. Salami has attended several courses both within and outside Nigeria. Salami served in the Nigerian Air Force and other institutions of the Armed Forces of Nigeria for about 35 years before retirement.

Salami, while in the Service of the Armed Forces of Nigeria, was variously responsible for the planning, deployment and sustainability of communications infrastructure, including airborne Intelligence, Surveillance and Reconnaissance (manned and unmanned platforms) systems, payloads and the streaming of relevant data from these payloads for collation, compilation and the analysis of this data for actionable intelligence towards efficient operations. This also included the technical supervision and smooth running of the Strategic Operations Center at the Headquarters, Nigerian Air Force for effective command and control during operations.

Salami was also responsible for the smooth operations of ground

Air Vice Marshal Raimi Akanbi Salami (rtd).

based Radar and Air Defence Systems and all forms of technical communications for ground – to- ground/ground-to- air, intra and intercity communications within Nigeria. The management of the manpower and the training required for effective running of the above named functions was also under his purview. He was also at a time responsible for the coordination of all cyber security efforts of the Armed Forces of Nigeria towards the efficient implementation of cyber war operational policies as well as formulation of strategies for such implementation.

Salami is married to Barr (Mrs) Amina Abdulsalami and blessed with 2 children Aliyu and Asma'U Abdulsalami. He likes reading, walking and watching documentaries.





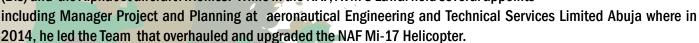


Air Vice Marshal
(AVM) Sule Lawal (retired)
joined D7G in 2024 as Executive
Director, Helicopters and Unmanned
Aircraft Systems (UAS). He oversees and
coordinates Programmes and Projects covering Helicopters, Fixed-wings and UAS procurement,

overhaul as well as servicing.

He obtained BSc (Hons) Physics in 1990 and Masters of International Affairs and Strategic Studies in 2010 from Nigerian Defence Academy Kaduna. He also attended the prestigious National Institute for Policy and Strategic Studies Kuru- Jos in 2014.

AVM S Lawal served in the Nigerian Air Force (NAF) for over 32 years and retired in June 2023. Lawal is an aircraft engineer and specialized in avionics. He type rated on Russian Mig 21 (Bis) and the Alpha Jet aircraft Avionics. While in the NAF, AVM S Lawal held several appoints



From 2018 to 2021, AVM Lawal served as the Pioneer Foreign Liaison Officer (FLO) for A-29 Super Tucano Aircraft Programme at Wright Patterson Air Force Base Dayton – Ohio, USA and supervised the procurement, production and delivery to Nigeria of 12 x A-29 Super Tucano aircraft and associated weapons and equipment including the training of Pilots and Maintenance personnel.



Lasbery Chidozie Onyenuforo

In 2022, AVM Lawal was appointed as Director Launch Services and Space Operations at Defence Space Administration (DSA) Abuja and coordinated the launch of the first Nigerian CubeSat for DSA.

Furthermore, AVM S Lawal was a member of Nigerian delegation to the United Nations Headquarters New York (USA) on the 10th Review Conference on Non-Proliferation Treaty (NPT) of nuclear weapons in August 2022.

Lasbery was born on 2/6/72 to Mr & Mrs Onyenuforo of Nwangele Local Government Area of Imo state, Nigeria. He attended Community Primary School, Amaigbo from 1978 - 1993, Secondary School at King Jaja High School, Amaigbo from 1983 - 1988. Lasbery then attended Federal School of Arts and Science, Ogbor Hill, Aba from 1991 - 1993. He then proceeded to the University of Ouagadougou, Burkina

Faso from 1997 - 2001 where he bagged a Diploma in English Language. Lasbery is very good at organising administrative matters and has a high competence in multi tasking to achieve his desired goals. He is happily married and blessed with 2 children. His hobbies include playing soccer, playing volley ball, swimming and travelling.

Dr. Lawal Umar Maradun is an accomplished administrator, communication expert, and media scholar with nearly two decades of experience spanning teaching, research, journalism, and executive administration. He began his career in 2006 as a field reporter and special correspondent

UZG.

for the NTA Zonal Network Center in Maiduguri, covering government affairs at the Borno State Government House. His academic career saw him rise to the rank of Chief Lecturer at



Air Vice Martial

Sule Lawal (rtd)

rbal tions Abdu Gusau Polytechnic, Talata-Mafara, Zamfara State, where he led the Department of Mass Communication three times. He has teaching experience also at Zamfara State University and Usmanu Danfodiyo University, Sokoto, bringing a wealth of experience across both polytechnic and university systems.

In May 2020, Dr. Maradun was appointed Private Secretary to the then-Governor of Zamfara State, His Excellency Bello Mohammed Matawalle, MON. He is the Assistant Director Administration for the DICON/D7G



Board. In 2024, he joined D7G as Principal Secretary, a role that underscores his expertise in governance, strategic communication, and administrative leadership.

Beyond administration, Dr. Maradun is a distinguished media practitioner with experience at BBC Hausa Service (London, UK), NTA Maiduguri, and NTA Gusau. He is a specialist in advertising, public relations, and media strategy.

Education and Academic Achievements

- · Ph.D. Mass Communication Bayero University, Kano, Nigeria
- · M.A. Mass Communication University of Bedfordshire, UK
- Postgraduate Diploma in Education Usmanu Danfodiyo University, Sokoto
- B.A. Mass Communication Bayero University, Kano, Nigeria

Research and Publications

Dr. Maradun is an active researcher and author with several contributions to media studies. His works include:

- · Media Law and Ethics: Issues, Principles and Practices (Co-authored, 2021)
- · Advertising and Public Relations in Nigeria: Issues and Perspectives (Co-authored, 2022)
- · Introductory Text to Mass Communication (Authored, 2016)
- · Several book chapters, including contributions to Br(e)aking the News: Journalism, Politics, and New Media (2013)
- · Numerous articles published in reputable local and international journals

Professional Memberships

Dr. Maradun is a Fellow of the Nigerian Institute of Public Relations (FNIPR) and Chronicle School of Business (FCSB). He is also a member of:

- Nigerian Union of Journalists (NUJ)
- Society of Nigerian Broadcasters (SNB)
- · Association of Communication Scholars and Professionals of Nigeria (ACSPN)
- African Council for Communication Education (ACCE)
- · Advertising Regulatory Council of Nigeria (ARCON)
- Africa Public Relations Association (APRA)
- · Institute of Professional Managers and Administrators of Nigeria (IPMAN)
- Institute of Mass Communication and Information Management of Nigeria (IMIM)
- · Former member of the British Association of Journalists (BAJ), UK

Personal Interests

Dr. Maradun enjoys reading, writing, and traveling. He is married with two children.



Major General Dickson Ighiwyisi Ehiorobo is a retired senior officer of the Nigerian Army (NA). He is a member of 38 Regular Combatant Course, Nigerian Defence Academy, Kaduna and was commissioned into the Nigerian Army Corps of Electrical and Mechanical Engineers. He holds a Bachelor of Science Degree in Physics and a Master of Science Degree in Physics Electronics. He also has a Masters of Science Degree in Strategic Management and Policy Studies. He participated in several seminars and workshops within and outside the NA. During his military career, he attended several courses, some of which include the Young Officers' Course Electrical and Mechanical Engineers; Civil Military Coordination Course in Accra – Ghana; Junior and Senior staff Courses; Logistics Management

Course and the Senior Executive Course at the Nigerian Institute of Policy and Strategic Studies, Kuru - Jos. He held several command, staff and instructional appointments. Notable among them are Commanding Officer Guards Brigade Workshop; Seconded as Senior Military Logistics Planning Officer at the Joint Logistics Planning Centre, United Nation Mission in Liberia and he was a Directing Staff (instructor) at the Nigerian Army College of Logistics. Also, he was Chief of Staff at Headquarters Nigerian Army Corps of Electrical and Mechani-



Major General DIO Ehiorobo (rtd)



Sustaining Global



Cal Engineers; Director Equipment Management at
Army Headquarters Department of Logistics; Ag Director
General Defence Industries Corporation of Nigeria and
Deputy Commandant Nigerian Army College of Logistics. Additionally, he was Commandant, Nigerian Army School of Electrical and
Mechanical Engineering; Commander Corps of Nigerian Army Electrical and
Mechanical Engineers and Director of Technical Support Services, DHQ, the last
appointment he held before retirement. He is a Fellow, Chartered Institute of Logistics
and Transport., Fellow of the Nigerian Metallurgical Society; Member, Nigerian Society of
Engineers; Fellow International Professional Managers Association -UK (FIPMA-UK), Fellow
Nigerian Army Resource Centre and Member National Institute (mni).

AlG Lanre S. Bankole is the Head. National Central Bureau, Abuja
He was born on 3rd December, 1963 in Lagos and attended Fiditi Grammar School.
He holds a B.A.(Hons) in English from University of Lagos, LL.B(Hons) from Olabisi Onabanjo
University and BL from Nigerian Law School. He enlisted into the Nigeria Police in 1990 as
a Cadet Assistant Superintendent of Police.
He attended various courses within and outside Nigeria including:

ne attenueu vanous courses within and outs

- * Junior Command Course,
- * Intermediate Command Course.
- Strategic Leadership and Command Course at the Police Staff Collage Jos;
- * Internal Security Operation Course at the Armed Forces Command and Staff Collage, Jaji;
- * UN Logistics Officers Course, Accra Ghana;
- * Workshop on Financial Crime Investigation, ASCON Badagry
- * UNODC and INTERPOL Conference on Drug Trafficking, Toledo, Spain
- * Workshop on Africa Border Security, Pretoria, South Africa
- * International Conference on Drug Trafficking, Taipei, Taiwan
- * INTERPOL General Assembly, Santiago, Chile

He has held many Command Posts in the Nigeria Police including Operational, Administrative and Investigating Posts. He served as Area Commander Sagamu Ogun State, Assistant Commissioner of Police in charge Port CID Apapa, Area Commander Idah, Kogi State. He served as Deputy Head National Central Bureau Abuja. He was posted to head the NCB Lagos

Annex as Commissioner of Police. He also served as Commissioner of Police, Ogun State Command between October 2021 and February 2023. His hobbies include listening to music, watching Tennis and football. He is a member of the Nigerian Bar Association, the International Association of Chiefs of Police and Abeokuta Sports Club. He is married with children.

Ishaka Mudi Dikko SAN is the Principal Partner, M.I. Dikko & Associates.

He has led and appeared in several cases before Superior Courts of Record in Nigeria and has a Plethora of Reported Cases standing to credit.

He holds an LL. B in Law from the prestigious Ahmadu Bello University, Zaria. Bachelor of Law Degree from Nigerian Law School. He also holds LLM.

He has specialization in the areas of Corporate Law, International Humanitarian

Law, Constitutional Law, Election Petition Law, General Litigation, and Criminal Prosecution & Defense.

He was elevated to the rank of Senior Advocate of Nigeria in 2018. He is

among the first to be elevated to the rank of Senior Advocate of Nigeria amongst lawyers from the Northern Nigeria within the shortest record time of 12 Years Post Call to the Nigerian Bar.

He is a member of the so many professional associations notably the following:

- **176**
- Nigerian Bar Association (NBA);
- African Bar Association (AFBA);
- International Bar Association (IBA);



AIG Lanre Sikiru Bankole

Ishaka Mudi Dikko SAN Director Legal

Member Chartered Institute of Loan &
 Risk Management of Nigeria (CILRM).
 He has held several positions of responsibility in the Lafia
 Branch of the Nigerian Bar Association from the years 2010 2016 which included, Assistant Secretary; Secretary; NEC Rep; and
 Chairman. He is widely travelled. Among his hobbies are reading, traveling and playing football. He is married with Children.



Lieutenant Colonel Edet Okon (rtd)
Assistant Director Production

Lieutenant Colonel Edet Okon (Rtd) was born on 16 Apr 78 at Adadia in Uruan LGA of Akwa Ibom State. Okon, a graduate of Computer Science was commissioned into the Nigerian Army as a Lieutenant and a member of Direct Short Service Course 16 in October 2008. He was posted to the Corps of Electrical and Mechanical Engineers. He attended several courses commensurate to his rank. He served in both Command, Staff and Instruction while in service. He commanded 1061 Brigade Workshop Uyo, 1080 Division Workshop Sokoto, Instructor Nigerian Army School of Electrical and Mechanical Engineering Auchi,

as well as Staff Officer Grade 2 Equipment Procurement Army Headquarters Department of Policy and Plans amongst others. He retired from the Army on 27 December 2024 and joined DICON-D7G Ltd. He is happily married and loves listening to news, travelling and playing handball.



Rear Admiral Abdu Shettima (rtd)
Director Shipyard Operation

Rear Admiral Abdu Shettima (rtd) was born an 22nd March 1959 and hails from Borno State. He holds a Bachelor of Science and Masters of Science degrees in Architecture from Ahmadu Bello University, Zaria from 1977 to 1982. He holds over 35 years' experience in project execution and logistics management. He was an indefatigable military officer with distinctive career progression who recently retired from the service of the Armed Forces of the Federal Republic of Nigeria as a Naval Officer with a range of medals, awards and honours.

In the course of his career in the Nigerian Navy, Rear Admiral Shettima (rtd) attended several courses where he distinguished himself. He was at the Armed Forces Command and Staff College Jaji-Kaduna from 1995 to 1996.

His commitment to duty and prudent mindedness paved the way for him to be nominated to attend inventory Control and Effective Management of Engineering Spares Warehouse Course in 2002, He later attended the South African National Defence College for Executive National Security Programme in 2007. Before his retirement from the Nigerian Navy, Rear Admiral Shettima (rtd) was appointed the Director of Projects at the Naval Headquarters, Abuja in 2003 where he later became the Chief of Logistics from 2008. Thereafter he was appointed the Director Underway Replenishment Group at the Headquarters Naval Logistics Command, Oghara in Delta State in 2010. He later became the Director Development at the Defence Headquarters Abuja in 2012 before taking command of the Nigerian Navy Logistics Command as the Flag Officer Commanding in 2013.

Rear Admiral Shettima (rtd) was later appointed the Managing Director Chief Executive Officer of Navy Hotels and Suites and acting Group Managing Director, Navy Holdings Ltd, an appointment he held until his retirement from the Nigerian Navy in 2015. Currently, he is a Director/Chairman in NUE Offshore Resources Ltd, a private maritime logistics support company(PMLSC). He also serves as Coordinator/Consultant in Sterling Oil Exploration & Energy Production Company Ltd. A man of distinction, Rear Admiral Shettima (rtd) is a Fellow of the African Centre for Supply Chain. He participated in the implementation of Due Process Policy in the Public Sector Contract and was a member of the Public Private Partnership Collaboration in the improvement of the Higher Management of Defence Sector. Some Awards to the honour of the retired senior officer are the Forces Service Star, Meritorious Service Star and Distinguished Service Star.



Sustaining Global



A hardworking, dedicated and self-motivated Central Banker with expertise in IT, economic and financial operations. With the ability to lead, work productively with others, a strong drive to excel and willingness to learn has helped ensure two promotions in seven years of joining the Central Bank. Comfortable working both independently and in teams, complemented by integrity, responsibility and excellent communication skills.



Ibrahim Auwal Muhammad Secretary

Skills

- **Results Oriented**
- Leadership and Coaching
- **Strong Work Ethic**
- **Efficient Multi-Tasker**
- Organized

Education

Nigerian Defence Academy, Kaduna. Master's in Business Administration. Nigeria 2020 Huazhong University of Science and Technology. Msc Communication & Information Systems. China 2010 Igbinedion University Okada, Benin. B.Sc. Computer Science & Information Technology. Nigeria 2007

Proactive

Responsiveness

Good Customer Service

Consistently Meet Goals

Professional Experience

The Central Bank of Nigeria (CBN), November, 2011 - March, 2024

Development Finance Department (2020 - 2024)

Senior Manger

- Responsible for supporting the Director to supervise the development and implementation of policies, programmes and schemes targeted at stimulating innovative financing to catalyse and transform the productive base of Nigeria's economy.
- Assisted the Director in supervising the implementation dynamics of the Bank's various intervention programmes and schemes with focus on projects with high growth impact and employment potentials.
- Provided administrative support to the Director as needed in overseeing the entire Department's activities.
- Coordinated special projects, compiled information and completed complex reports and analysis.
- Coordinated meetings, travel arrangements, while ensuring confidentiality in document management.

NIRSAL Microfinance Bank (NMFB 2018 - 2020)

Head, Risk and Compliance Department

- Team lead, policies and documentation NMFB project, responsible for coordinating and harmonizing the conceptualizing, crafting, and drafting of NMFB policies and procedures for improved efficiencies in the Bank's processes, whilst ensuring the adoption and implementation by team members and staff.



- Deputy team lead on Human Resources (HR) NMFB project, assisted the team lead with other team members to design, develop, craft and harmonize the HR policies and processes of the NMFB for ease of implementation and coordination across the various regions of the country.
- Developed fit-for staff training modules and materials with international standards and actual training on compliance and risk management to onboarded employees of the NMFB.
- Pioneer Head, Risk and Compliance Department: Liaising, consulting and collaborating with relevant departments of NMFB on the development of frameworks and policies suitable for identifying, analyzing, assessing and implementing mitigants for inherent risks and other external risks associated with NMFB's business processes.

 Member, senior management decision making team with adept overview and insight into critical workings of the bank for informed contributions and suggestions required in steering the Bank in the desired direction.

Other Financial Institutions Supervision Department (2016 - 2018)

Bank Examination Officer

- Participated in carrying out offsite supervision and on-site examination of the financial institutions assigned to the team
- Prepared sub reports on areas of examination and processes inquiries from customers
- Appraised applications of bank/ discount house/OFIs as assigned and prepared report on recommendations
- Monitored the financial condition of financial institutions assigned to the team and ensured regular reports on ratings/ trend analysis are generated
- Participated in determining the risk profile of institutions assigned to the team
- Enforced compliance of regulations by financial institutions and the generation of regular reports
- Assisted the team leader in the collation and compilation of all sub-reports of examinations
- Gathered data/ market information to assist in trend analysis/risk rating of assigned institution(s)
- Gathered data for pre-examination planning and accessing financial indicators for appraisal of applications
- Prepared sub reports on areas handled and carried out other similar responsibilities assigned
- · Prepared meeting reports

Project Management office, IT Department (2011 - 2016)

Project Management Officer

- Coordinated various project activities from project flows, dependencies management, tracking progress, identifying potential problems, making informed decisions, and avoiding unnecessary delays using network diagrams and Gantt charts.
- Organized and coordinated team meetings, ensuring decisions and timelines are implemented and assessed.
- Provided administrative support as needed for various departmental requirements and statutory processes.
- Participated in project planning, management and monitoring for effective implementation and coordinated execution to achieve desired outcomes.
- Application of routine project risk management techniques for ease of actualizing efficiency and effective implementation of targeted results.
- Maintained project risk register.

Zenith Bank Plc 2006 - 2008

Executive Assistant (2007 - 2008)

- General Branch Operations
- Frontline management including processing and resolution of all customer enquiries
 all-over, reconciliation, review and balancing of daily transactions and subsequent reporting
- Periodic reporting of suspicious transactions inline with regulations on money laundering and other policies
- Participated in day-to-day operations activities of the branch
- Ensured excellent and quality customer service delivery.
- Client prospecting, sales of various bank's products and relationship management as a means of business development.
- Deposit mobilization and liability generation in line with the Bank's policies and procedures.



National Youth Service Corps (2006 – 2007)



Customs Leadership & Security Expert | Risk Management & Strategic Operations Specialist

Bappa Mohammed Usman is a retired Comptroller of the Nigeria Customs Service, with an extensive and distinguished career spanning over three decades. He was born on 5th October 1964 and hails from Biu Local Government of Borno State, Nigeria. He completed his National Youth Service in 1989, marking the beginning of his journey in the public service sector. Throughout his career, he held various key roles in the Nigeria Customs Service, demonstrating his expertise in customs operations, leadership, and security management.



Compt. Bappa Mohammed Usman (rtd.)

Director of Procurement

Bappa Mohammed Usman's career trajectory included significant

positions such as Comptroller of Procurement, Comptroller of Investigation, and ultimately, Comptroller of the North Western Marine Command, from which he retired. In each of these roles, he displayed exceptional leadership, strategic vision, and a commitment to enhancing the operations and security of the Nigeria Customs Service.

He received numerous specialized training and certifications throughout his career. He attended the Nigeria Customs and Excise Basic Course in 1990 and the Nigeria Customs and Excise Refresher Course in 1996, laying a strong foundation in customs procedures and regulations. His pursuit of professional development continued with the World Customs Organization (WCO) National Seminar on Rules of Origin in 2008, followed by the International Security/Low Intensity Conflict Course in 2009.

He further honed his skills by attending various advanced training programs, including Customs Procedure and General Matters in 2011, the Intelligence Processing Course in 2011, and Risk Management Training in 2015. His focus on regional collaboration and economic policies saw him completing the ECOWAS Common External Tariff (CET) training in 2015. That same year, he

also undertook the Management Development Course and Change Management Course, equipping him with the skills needed for dynamic leadership roles.

Additionally, Bappa Mohammed Usman attended the Leadership Development Course in 2016 and participated in an Intelligence Management Workshop in 2016, reinforcing his expertise in strategic decision- making and security management. He also completed the NICIS Level 1 - Integrated Report Interface System (IRIS) training, enabling him to contribute to modernized customs operations.

Throughout his career, Bappa Mohammed Usman demonstrated exceptional leadership and strategic insight, particularly in the areas of risk management, intelligence operations, and regional cooperation, making him an influential figure in the Nigeria Customs Service.

EDUCATIONAL QUALIFICATIONS WITH DATE:

M.A (Masters) International Relations and Strategic Studies Lagos State University, Nigeria. BA Hons. Languages and Linguistics University of Maiduguri, Borno State.



Sustaining Global Defence Productions

PROFESSIONAL MEMBERSHIPS

- Nigerian Institute of Management (NIM)
- Nigeria Customs and Excise Professional Association (NCEPA)
- World Customs Organization (WCO)

- Institute of Security Studies (ISS)
- Risk Management Association of Nigeria (RMAN)
- ECOWAS Trade and Customs Experts Forum
- International Security Management Association (ISMA)
- Institute of Leadership and Management (ILM)
- Institute of Risk Management, Nigeria (IRM Nigeria)
- Institute of Customs and Excise Administration (ICEA)
- African Customs and Trade Association (ACTA)

PERSONAL INTERESTS

Compt. Bappa enjoys reading; journals, works of arts and sports; badminton, Hockey, table tennis. He is happily married with four children and one grand- daughter.



Ademola Wasiu Alli (FCA)

Director of Finance

Professional Profile

Accomplished Finance and Accounting Leader with over 30 years of experience in strategic financial management, governance, and leadership within the government and defense sectors. Proven track record of leading high-performing teams, driving organizational change, and delivering results through effective leadership, collaboration, and innovation. Adept at aligning financial strategies with organizational goals, fostering accountability, and inspiring teams to achieve excellence.

Leadership Strengths

- Visionary Leadership: Demonstrated ability to lead and inspire teams to achieve organizational objectives, fostering a culture of accountability, transparency, and high performance.
- Strategic Decision-Making: Skilled in aligning financial strategies with long-term organizational goals, ensuring optimal resource allocation and fiscal responsibility.
- Collaborative Leadership: Proven ability to collaborate with senior officials, cross-functional teams, and international partners to drive impactful outcomes.
- Change Management: Experienced in implementing transformative financial and operational processes, ensuring compliance with government regulations and international standards.
- Mentorship and Team Development: Committed to nurturing talent, empowering teams, and building capacity through mentorship and professional development.

Professional Experience Director, Finance and Accounts

Ministry of Defence, Abuja March 2021 - January 2024

- Led a team of finance professionals, fostering a culture of accountability and excellence in financial management.
- Spearheaded the preparation and defense of annual budgets, ensuring alignment with strategic defense objectives.
- Collaborated with senior military and civilian leaders to develop and implement financial policies that met both defense and administrative requirements.
- Provided strategic recommendations to enhance the Ministry's financial position, ensuring long-term sustainability and compliance with government standards.

Director, Finance and Accounts Ministry of Niger Delta Affairs, Abuja September 2020 - March 2021

- Directed financial operations for the Ministry and its parastatals, including the Niger Delta Development Commission (NDDC), ensuring compliance with corporate governance, fiscal policies, and government regulations.
- Led the preparation of statutory financial reports, maintaining transparency and adherence to government







accounting standards across the Ministry and its parastatals.

 Provided strategic oversight to parastatals, aligning budgetary strategies with operational goals and enhancing financial accountability and efficiency.

Director, Internal Audit Office of the Secretary to the Government of the Federation, Abuja August 2019 – September 2020

- Supervised internal audit functions, ensuring compliance with government standards and improving financial practices.
- Represented the internal audit department on ad-hoc committees, providing expert advice on corporate governance and accountability.
- Collaborated with senior management to implement audit recommendations, enhancing risk management and operational efficiency.

Deputy Director, Social Investment Program (SIP) Ministry of Budget and National Planning, Abuja 2017 – August 2019

- Led the administration and budgeting of SIP, ensuring alignment with national economic goals.
- Produced comprehensive financial reports and addressed audit queries, ensuring program transparency and compliance.
- Played a key role in the financial planning and execution of social welfare programs, impacting millions of Nigerians.

Project Accountant National Social Safety Net Coordinating Office (NASSCO) - World Bank Sponsored Program 2015 - 2017

- Managed project accounts and budgets, aligning financial practices with international standards.
- Acted as National Coordinator for three months, providing strategic leadership and ensuring seamless project operations.

Deputy Director, Accounts Federal Ministry of Aviation, Abuja 2014 - 2015

- Supervised financial operations and reporting, ensuring compliance with government accounting standards.
- Led the preparation of financial reports for strategic decision-making.

Assistant Director, Accounts National Sports Commission, Abuja 2010 – 2014

- Managed the Commission's income and expenditure, ensuring accurate financial reporting.
- Served on the Finance Committee for the 2012 Olympics, providing financial guidance for budgeting and resource allocation.

Assistant Director, Federation Revenue Office of the Accountant General of the Federation (OAGF), Abuja 2007 – 2010

- Led the reconciliation of Federation Revenue accounts, ensuring transparency and compliance with government standards.
- Represented the Federation Revenue Reconciliation Committee at the Federation Account Allocation Committee (FAAC).

Education

- MBA (Master in Business Administration) Obafemi Awolowo University, Ile-Ife (1995 1997)
- B.Sc. Management Accounting Obafemi Awolowo University, Ile-Ife (1985 1989)
 - West African Examination Council (WAEC) Ago Egba High School, Lagos (1977 1982)



Professional Qualifications

- Fellow, Institute of Chartered Accountants of Nigeria (FCA) 2006
- Fellow, Institute of Taxation (FCIT) 2010
- Fellow, Institute of Professional Economists and Policy Management (FCPE) 2022
- Fellow, Association of Chartered Certified System Accountants (ACCSA) -2022



Leadership Training and Certifications

-Strategic Workshop on Effective Financial Management - BETTER WAYS, UAE, Dubai (May 2022)

26

- Global Social Protection & Jobs Core Courses World Bank, Washington, DC (May 2018)
- Total Project Management Workshop SUPREME, Ibadan (January 2017)
- International Public Sector Accounting Standards (IPSAS) ICAN, Lagos (July 2013)

Leadership in NGO Activities

- National President, Fiditi Student Union (1987 1989)
- Secretary General, African Youths Sports Federation (1998 2008)
- President, Afijio Youth Movement (1999 2001)
- President, Fiditi Club (2022 Present)

Interests

Reading, Chess, Tennis, and Traveling.



Major General Julius Olusola Oni (Rtd) was born on 11 December 1965 at Afijio Local Government Area of Oyo State. Olusola was admitted into the Nigerian Defence Academy (NDA) on 27 September 1985 as a member of Regular Course 37 and was commissioned Second Lieutenant into the Nigerian Army Ordnance Corps on 22 September 1990. Oni holds a Bachelor of Science Degree (Honours) in Chemistry and a Masters Degree in Strategic Studies from the University of Ibadan. He also holds a Masters of Arts in International Affairs and Diplomacy and Masters of Arts Law Enforcement and Criminal Justice o both from the Ahmadu Bello University Zaria, Kaduna State. Additionally, he holds a Masters of Arts Degree in Peace Studies and Conflict Resolution National Open University of Nigeria.

Maj Gen Oni was privileged to have served in various capacities in the Nigerian Army. He was Directing Staff at the Prestigious Armed Forces Command and Staff College from 2007 - 2009 and Commander 82 Division Ordnance Services from 2012 - 2013. He was also the Com-

Major General Julius Olusola Oni (rtd)
Senior Ammunition and
Armament Technician

mander 2 Division Ordnance Services in 2013, Deputy Commandant Nigerian Army College of Logistics Moloney Lagos from 2014 – 2015 and Acting Commandant Nigerian Army College of Logistics Moloney Lagos from 2015 - 2016. He was appointed the Chief of Staff Headquarters Nigerian Army Ordnance Corps – Lagos, Nigeria from 2016 – 2017, Director Armed Forces Simulation Center from 2017 – 2018 and Director Personnel Nigerian Army in 2019. He was appointed Director of Procurement Nigerian Defense Headquarters from 2019 – 2021 and Chief of Logistics, Nigerian Defense from 2021 – 2023 from where he disengaged from the service in October 2023. Maj Gen Oni attended the United Nations Logistics Course in Cairo - Sep 1985 and 17 Courses of the United Nations UNTAR. He is a Fellow Institute of Management of Nigeria, Fellow Chartered Institute of Purchasing and Supply Management of Nigeria and Fellow Nigerian Army Resource Centre Abuja. He is happily married and loves walking and listening to good music.

I specialise in both Ammunition and Armarment (Weapons), I did the 2 courses Separately And worked in both areas while in Service.









FEDERAL REPUBLIC OF NIGERIA

CERTIFICATE OF INCORPORATION

OF A
PRIVATE COMPANY LIMITED BY SHARES

COMPANY REGISTRATION NO. 7884965

The Registrar - General of Corporate Affairs Commission hereby certifies that

DICON/D7G NIGERIA LTD

is this day incorporated under the COMPANIES AND ALLIED MATTERS ACT 2020

as a private company limited by shares

Given under my hand at Abuja this 2nd day of September, 2024















Proposal for Dicon/D7G Board Membership

Total Number of Board Members = 19

Composition of Board

- 2- Permanent Secretary, MOD
- 3- Representative of ONSA
- 4- Director General DICON
- 5- Representative of DICON
- 6- Representative of DICON
- 7- Chief Executive Officer (CEO) D7G
- 8- Director Production D7G
- 9- Director Land Systems D7G
- 10- Director Maritime Systems D7G
- 11- Director Air System D7G
- 12- Director Procurement D7G
- 13- Director Admin & Logistics D7G
- 14- Director marketing D7G
- 15- Director Legal D7G
- 16- Director Finance D7G
- 17- Director Shipyard Operation D7G
- 18- Assistant Director Admin & Logistics D7G Member
- 19-Representative D7G

Chairman

Member





D7G is an indigenous Defence related company Limited by shares with expertise in reverse engineering, manufacturing and supply of armoured vehicles, armoured vehicles, air defense systems, thermal radars, air defense systems, thermal vision goggles, binoculars, arms CKD imagers, convoy jammers, arms





and SKD, Grenade launchers and heavy machine guns, stabilized advanced remote controlled platforms, ammunition links, and other defence related equipment needed by the Nigerian Armed Forces and civil security agencies. The organization is registered with CAC, NSITF, PENCOM, ITF, TAX and BPP and has a seasoned and experienced board of directors and management team. As a company D7G limited is an efficient and correct partner in executing contracts (Government to Government) (G to G), as well as planning and performing short and long term planned deliveries.





MEMBERSHIP OF THE DEFENCE INDUSTRIES ASSOCIATION OF NIGERIA (DIAN) The DIAN is an umbrella body of all the defence related industries in Nigeria. The association is duly registered with the Corporate Affairs Commission (CAC). The aim of DIAN is to provide a platform for complementing members efforts bearing in mind the basic economic principle of comparative advantage. Members gather together from time to time with the mindset of complementing one another's effort. The establishment and activities of DIAN is fully captured in the new DICON -





ACT, 2023, signed into law on the 23rd November 2023, by the President and Commander -in-Chief of the Armed Forces of The Federal Republic of Nigeria Bola Ahmed Tinubu. GCFR. This Act strengthens the legal and institutional framework for the operation, maintenance and control of subsidiaries and ordinance factories for the manufacture, storage and disposal of ordinance and ancillary stores and materiel and regulate in local production of weapons and other equipment to meet the requirement of the Nigerian Armed Forces and other security agencies. D7G is a member of DIAN.











To consistently supply all types of Arms, ammunition, vehicles, drones, vessels and electronic warfare equipment to all the services.



Import Defence stocks to be stored in specific services warehouses and under the close patronage of the Ministry of Defence.



Enhance military trade between Nigeria and friendly African countries.



Engage part of its profits in Corporate Social Responsibilities to the benefits of Nigerian society mainly in the Health and Education Sectors.



Install 5 high capacity (300 Million rounds) new lines of production of small and medium arms ammunition.



Install a private power station, and optimise the perimeter and inside security of the DICON complex.







D7G has a Joint Venture Company (DICON-D7G NIGERIA LIMITED) of Military hardware and equipment in Nigeria.

The agreement includes:

la

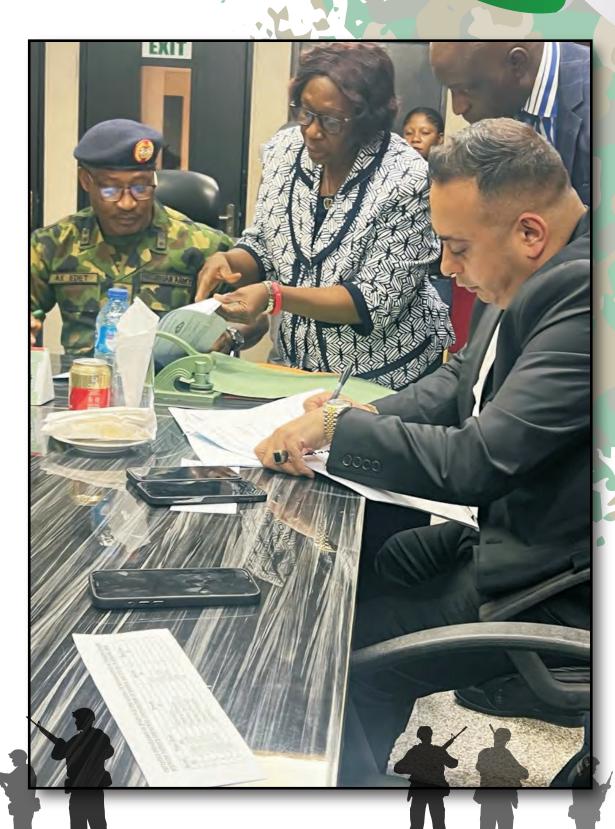
Manufacture, supply and distribution of finished Defence Products in accordance with the needs of the Nigerian Armed Forces and other Security Agencies.



Business Conceptualization, designing, consulting, inventing, manufacture, assembly, marketing, sale, exportation, distributing of Military Industrial products, such as arms, ammunition, armoured vehicles, Radars, Night Vision Goggles, Binoculars, Thermal imagers, Convoy Jammers, CKDs and SKDs, Grenade launchers and heavy Machine Weapons, Stabilized Advance Remote Controlled platforms, GPMG links and other Ancillary products and services.



























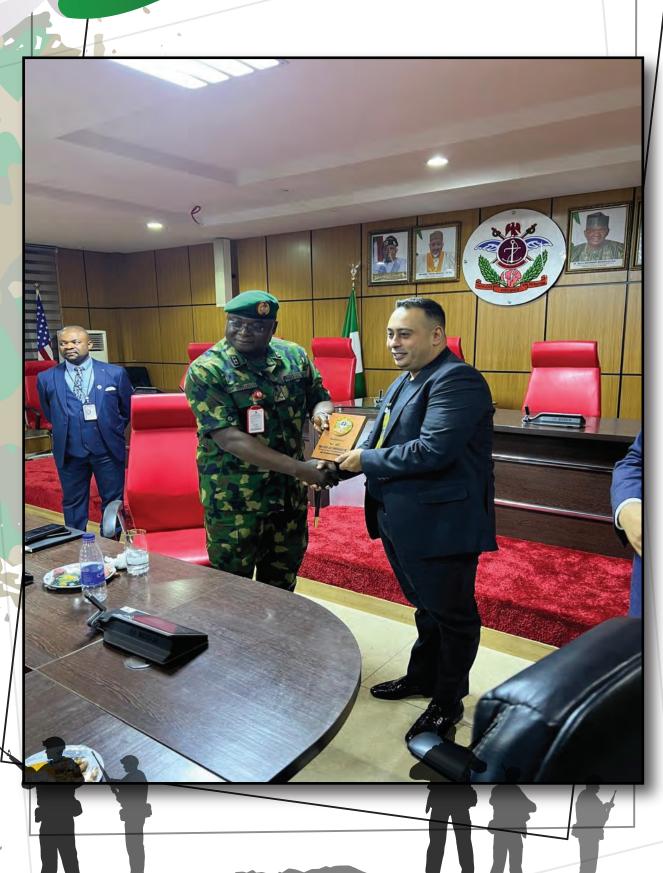








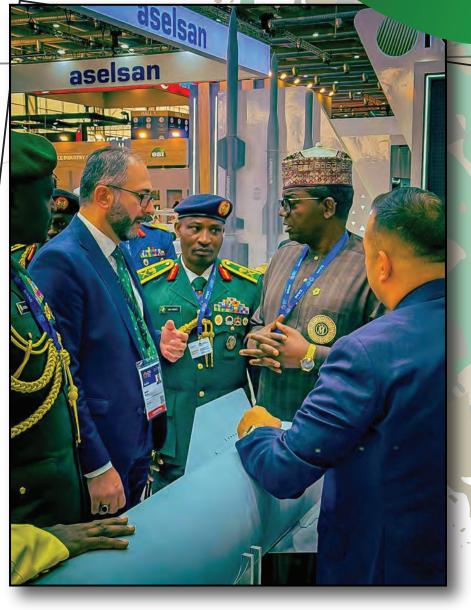






Sustaining Global Defence Production

















































































Sustaining Global Defence Production











Sustaining Global Defence Production





















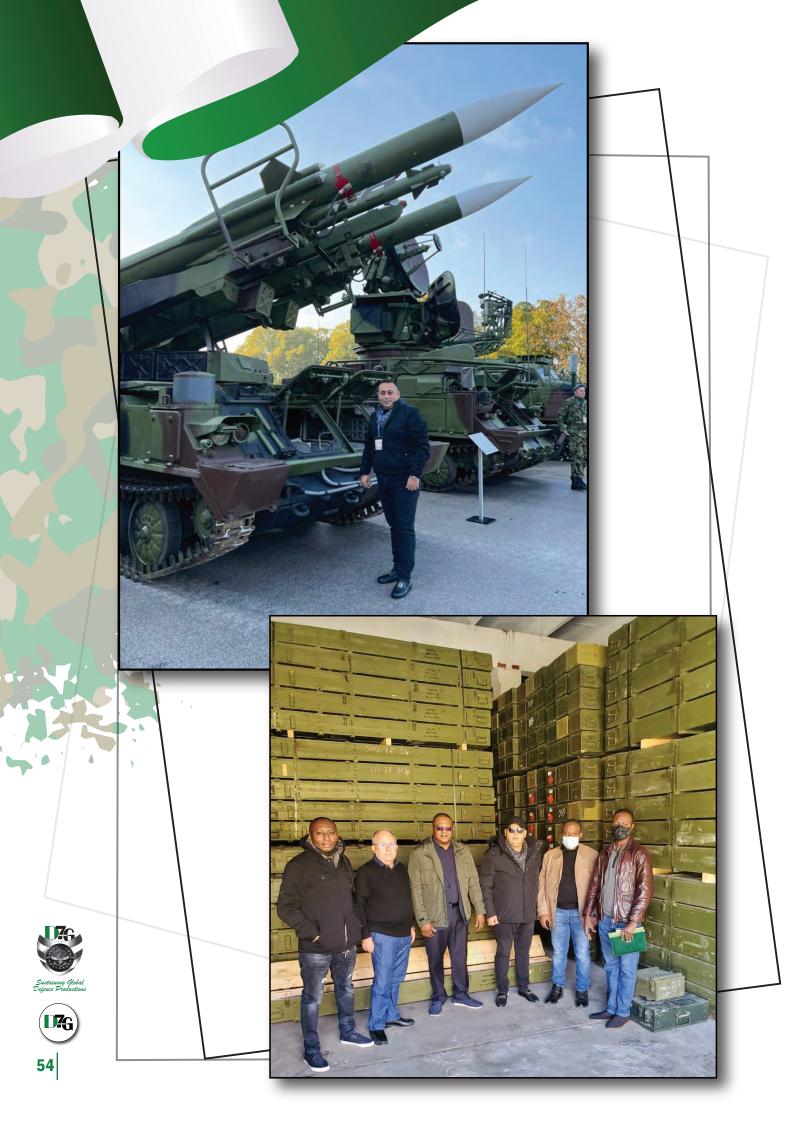














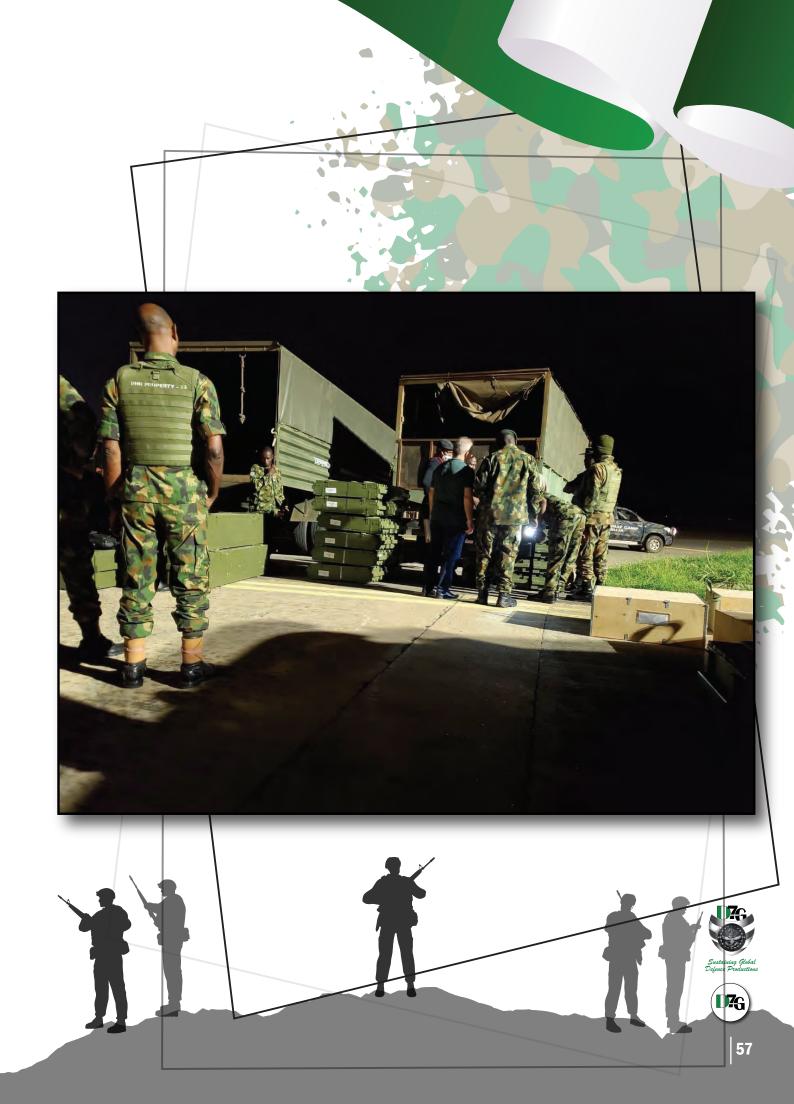




Sustaining Global Defence Productions











Sustaining Global Defence Productions





















Area of specialization / product catalog

Establishment of ammunition Manufacturing lines

Establishment of Ammunition Manufacturing Lines



- Line of Production of: 5.65 x 45 Blank & Live
- · Line of Production of: 7.62 x 39 Blank & Live
- · Line of Production of: 7.62 x 51 Blank & Live
- Line of Production of: 7.62 x 54 Blank & Live
- · Line of Production of: 12.7 x 108 Blank & Live

Production Capacity of

300,000,000 Rounds a Year



















Priming, Riveting

Case feeding, powder filling, bullet insertion

Sealing, Uv drying







Automatic **Dimensional Inspection**

Weight check

Folding Cardboard boxes, Insertion of Cartridges, Stamping Lot Number.



Case production



Drawing, Length, Cutting

Degreasing, Rinsing, Drying

Stress Relieving, Cooling

Picking, Soaping, Rinsing, Drying

Indenting, Stamping, Fire Hole Piercing, Necking

Head Turning, Finish Trimming

Degreasing, Polishing

Mouth Annealing









Establishment of UAV Manufacturing Lines



Establishment of Arms Manufacturing Lines







Mortar Shells



	MORTAR :	SHELLS 81/82	mm	
DESIGNATION	HE	HE	HE	HE
81/82 mm	July .	July	July	MAR
DESCRIPTION / MODEL	M09 P1	M91	M91 P1	MK11
LENGTH WITH FUZE (mm)	400	480	480	480
MASS WITH FUZE (g)	3180	4100	4100	4100
EXPLOSIVE CHARGE TYPE	TNT	RDX / TNT	RDX / TNT	RDX / TNT
EXPLOSIVE CHARGE MASS (g)	680	850	850	850
TEMPERATURE ENVIRONMENT	-46°C to 63°C	-30°C to 50°C	-30°C to 50°C	-46°C to 60°
KILLING RANGE RADIUS	14 m	18 m	18 m	14 m
MAX RANGE (m)	5070	6500	6500	6500
MIN RANGE (m)	91	100	100	100
FUZE TYPE	UTU M93-N	UT M88 P1	UTU M93-N	UT M88 P1
SHELL PACKING	BOXES IN CASE	SHELLS IN	CARDBOARD	GROSS MAS
RDBOARD BOXES IN WOODEN CASE	5			34 kg
	MORTAR	SHELLS 120 m	m	
RDBOARD BOXES IN WOODEN CASE DESIGNATION				34 kg PRACTICE
	MORTAR	SHELLS 120 m	m	
DESIGNATION	MORTAR	SHELLS 120 m	m	
designation 120 mm	MORTAR HE	SHELLS 120 m HE	m HE	PRACTICE M63 P2
DESIGNATION 120 mm DESCRIPTION / MODEL	MORTAR HE M62 P8	SHELLS 120 m HE MK12 P1	ME HE MK12 P1-L	PRACTICE
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm)	MORTAR HE M62 P8 606	SHELLS 120 m HE MK12 P1 606	MK12 P1-L 606	PRACTICE M63 P2 508 (no fuze
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm) MASS WITH FUZE (g)	MORTAR HE M62 P8 606 12,6	HE MK12 P1 606 14.8	MK12 P1-L 606- 14.8	PRACTICE M63 P2 508 (no fuze
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm) MASS WITH FUZE (g) EXPLOSIVE CHARGE TYPE	MORTAR HE M62 P8 606 12,6 RDX/TNT	HE MK12 P1 606 14.8 TNT	MK12 P1-L 606 14.8 TNT	PRACTICE M63 P2 508 (no fuze
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm) MASS WITH FUZE (g) EXPLOSIVE CHARGE TYPE EXPLOSIVE CHARGE MASS (g)	MORTAR HE M62 P8 606 12,6 RDX/TNT 2.45	HE MK12 P1 606 14.8 TNT 2.45	MK12 P1-L 606 14.8 TNT 2.45	PRACTICE M63 P2 508 (no fuze
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm) MASS WITH FUZE (g) EXPLOSIVE CHARGE TYPE EXPLOSIVE CHARGE MASS (g) TEMPERATURE ENVIRONMENT	MORTAR HE M62 P8 606 12,6 RDX / TNT 2.45 -30°C to 50°C	HE MK12 P1 606 14.8 TNT 2.45 -46°C to 63°C	MK12 P1-L 606 14.8 TNT 2.45	PRACTICE M63 P2 508 (no fuze) / / /
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm) MASS WITH FUZE (g) EXPLOSIVE CHARGE TYPE EXPLOSIVE CHARGE MASS (g) TEMPERATURE ENVIRONMENT KILLING RANGE RADIUS	MORTAR HE M62 P8 606 12,6 RDX/TNT 2.45 -30°C to 50°C 20 m	HE MK12 P1 606 14.8 TNT 2.45 -46°C to 63°C 24 m	MK12 P1-L 606 14.8 TNT 2.45 -46°C to 63°C 24 m	PRACTICE M63 P2 508 (no fuze) 11.6 (no fuze) 1
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm) MASS WITH FUZE (g) EXPLOSIVE CHARGE TYPE EXPLOSIVE CHARGE MASS (g) TEMPERATURE ENVIRONMENT KILLING RANGE RADIUS MAX RANGE (m)	MORTAR HE M62 P8 606 12,6 RDX / TNT 2.45 -30°C to 50°C 20 m 6500	HE MK12 P1 606 14.8 TNT 2.45 -46°C to 63°C 24 m 7400	MK12 P1-L 606 14.8 TNT 2.45 -46°C to 63°C 24 m 9400	PRACTICE M63 P2 508 (no fuze) / / / / 500
DESIGNATION 120 mm DESCRIPTION / MODEL LENGTH WITH FUZE (mm) MASS WITH FUZE (g) EXPLOSIVE CHARGE TYPE EXPLOSIVE CHARGE MASS (g) TEMPERATURE ENVIRONMENT KILLING RANGE RADIUS MAX RANGE (m) MIN RANGE (m)	MORTAR HE M62 P8 606 12,6 RDX/TNT 2.45 -30°C to 50°C 20 m 6500 255	MK12 P1 606 14.8 TNT 2.45 -46°C to 63°C 24 m 7400 255 UTU M93P1 SO/D	MK12 P1-L 606 14.8 TNT 2.45 -46°C to 63°C 24 m 9400 275	PRACTICE M63 P2 508 (no fuze) / / / / 500





Aircraft Rocket and Bombs



PRESSURE IN THE ROCKET CHAMBER FUZE TYPE	380 kg/c UTI-1 BOXES IN CASE 2	m2	375 kg/cm2 UTI-2 ARDBOARD	UTI-2 GROSS MASS 37 kg
I KM FLYING TIME Pressure in the rocket chamber Fuze type Rocket Packing E	380 kg/c UTI-1	m2	UTI-2	200
PRESSURE IN THE ROCKET CHAMBER	380 kg/c	m2		/ UTI-2
TANGE TO THE PERSON			375 kg/cm2	1
1 KM FLYING TIME	1.89 to 2.			
	1.89 to 2.19 s		2.46 to 2.17 s	1
MAXIMUM SPEED	673 to 617	rn/s	563 to 620 rn/s	1
EXPLOSIVE CHARGE MASS (g)	285		290	320
MASS (g)	3.8		3.64	4.5
LENGTH WITH FUZE (mm)	882		824	1200
DESCRIPTION / MODEL	BR-1-5	7	BR-2-57	BR-20-57





CRATE	3		12	
BOMBS PACKING	BOMBS IN CRA	TE	FINS	
FUZE TYPE	AUV-E / AUFK	AUFK	AUV-E / AUFK	UPB M91
TEMPERATURE ENVIRONMENT	-40 to +50C	-40 to +50C	-40 to +50C	-40 to +60C
HOOK SPACING (mm)	255 / 355.6	255 / 355.6	255 / 355.6	355.6 / 250
DIAMETER (mm)	230	230	325	320
EXPLOSIVE CHARGE MASS (g)	39	39	105	70
MASS WITHOUT FUZE (kg	117	128	240	252
LENGTH WITH FUZE (mm)	1490	1617	2015	2085
DESCRIPTION / MODEL	FAB-100 M80 HE	FAB-100 M80 HE RETARDED	FAB-250 M79 HE	RAB-250 M91

Unguided Rockets



M06 - EX	TENDED RANGE UNGUIDE	D ARTILLERY F	ROCKET	
107 mm 🌘		<u>a</u>		
DESCRIPTION / MODEL				
CALIBER (mm)		107		
LENGTH WITH FUZE (mm)		825		
MASS WITH FUZE (kg)		17.6		
WARHEAD EXPLOSIVE WEIGHT (kg)		1.25		
MAXIMUM RANGE (km)		11.5		
OPERATING TEMPERATURE RANGE		-32°C to +60°C		
FUZE TYPE		UTI M84		
ROCKET PACKING	BOXES IN CASE		GROSS MAS	SS
WOODEN CASE	2		49 kg	







Anti-Aircraft Ammunition



NA NA	TO DESIGNATION	HE	HEI	HE-T	HEI-T	AP-T	TP-T	TP
57	7 mm					A		
	WEIGHT (g)							
2000000	CTILE (g)	2850	2850	2850	2850	2850	2850	2850
	LLANT (g)	1180	1180	1180	1180	1180	1180	1180
a London	SIVE (g)	153	153	153	153	none	none	none
1000000	ETE ROUND (g)	6350	6350	6350	6350	6350	6350	6350
1000	SIVE TYPE	RDX	RDX+AL	RDX	RDX+AL	none	none	none
46.000.000.00	H (COMPLETE ROUND)	max 536.	.61 max 536.	61 max 536.	61 max 536.6	1 max 536.61	max 536.6	1 max 536
MUZZLI	E VELOCITY (m/s)	1000	1000	1000	1000	1000	1000	1000
SELF-D	ESTRUCTION TIME (s)	13-17	13-17	13-17	13-17	none	none	none
TRACE	R BURNING TIME (s)	none	none	10	10	10	10	none
PACKIN	NG.		ROUNDS IN	ASE	DIME	NSIONS	GROS	S MASS
WOODEN		110 for	20 AA GIIN M	55 HS 404	mmaa	3 x 363 mm	aman	5 kg
urinaaa		110 for			650 x 39 and HS 80 PI-T API	2000000	0"	5 kg
N.	20 mm x Ato designation		AA GUN M		and HS 80	4 "HISPAN	0"	
20	20 mm x ato designation		AA GUN M	HEI-T A	and HS 80	4 "HISPAN	O" TP BI	
2 (PROJE	20 mm x ATO DESIGNATION) mm WEIGHT (g)	HE	AA GUN M	HEI-T A	and HS 80	4 "HISPAN AP-T TP-T	O" TP BI	LANK
20 PROJE	20 mm x ATO DESIGNATION MEIGHT (g) ECTILE (g)	HE	AA GUN M: HEI HE-1 122 122	HEI-T A	and HS 80 PI-T API	4 "HISPAN AP-T TP-T	0" TP BI	LANK
PROJE PROPIE EXPLO	20 mm x ATO DESIGNATION MEIGHT (g) ECTILE (g) ELLANT (g)	HE 122 29	AA GUN M: HEI HE-1 122 122 29 29	122 29 6.1	and HS 80 PI-T API	4 "HISPAN AP-T TP-T 142 122 32 29	122 m 29 2 none 1	in 70 29
PROJE PROPIE EXPLO	20 mm x ATO DESIGNATION MEIGHT (g) ECTILE (g) ELLANT (g) SSIVE (g)	122 29 12.1 246	AA GUN M HEI HE-1 122 122 29 29 12.1 61	122 29 6.1 r 246	and HS 80 PI-T API 142 142 32 32 one none	4 "HISPAN AP-T TP-T 142 122 32 29 none none	122 m 29 none 1 246	nin 70 29 none
PROJE PROPIE EXPLO	20 mm x ATO DESIGNATION WEIGHT (g) ECTILE (g) SIEVE (g) LETEROUND (g)	122 29 12.1 246	122 122 29 29 12.1 6.1 246 246	122 29 6.1 r 246 :	and HS 80 PI-T API API API API API API API API	4 "HISPAN AP-T TP-T 142 122 32 29 none none 265 246	122 m 29 none 1 246	nin 70 29 none 195
PROJE PROPIE PROPIE EXPLO COMP EXPLO LENGT	20 mm x ATO DESIGNATION WEIGHT (g) ECTILE (g) SELLANT (g) JETER ROUND (g) SISIVE TYPE	122 29 12.1 246 RDX	122 122 29 29 12.1 6.1 246 246 247 RDX+AL RDX	122 29 6.1 r 246 : RDX+AL r 184	and HS 80 PI-T API 142 142 32 32 one none 265 265 one none	4 "HISPAN AP-T TP-T 142 122 32 29 none none 265 246 none none	122 m 29 none 1 246 none 1 184	29 none 195 none 184
PROJE PROPIEST PROPIE	20 mm x ATO DESIGNATION WEIGHT (g) ECTILE (g) ELLANT (g) DISIVE (g) ILETE ROUND (g) ISIVE TYPE ITH (COMPLETE ROUND)	122 29 12.1 246 RDX 184 845	122 122 29 29 12.1 6.1 246 246 RDX+AL RDX 184 184 845 845	122 29 61 r 246 : RDX+AL r 184 845 :	and HS 80 PI-T API 142 142 32 32 one none 265 265 one none 182 182 344 844	4 "HISPAN AP-I TP-I 142 122 32 29 none none 265 246 none none 182 184 844 845	122 m 122 m 29 none 1 246 none 1 184 845 n	LANK 29 none 195 none 184 none
PROJE PROPI EXPLO COMP EXPLO LENGT MUZZI SELF-I	20 mm x ATO DESIGNATION WEIGHT (g) ECTILE (g) ELLANT (g) JOSIVE (g) JOSIVE TYPE ITH (COMPLETE ROUND) LE VELOCITY (m/s)	122 29 12.1 246 RDX 1	122 122 29 29 12.1 6.1 246 246 RDX+AL RDX 184 184 845 845 4.5-8 4.5-8	122 29 6.1 r 246 : RDX+AL r 184 845 : 3 4.5-8 r	and HS 80 PI-T API 142 142 32 32 one none 265 265 one none 182 182 344 844 one none	4 "HISPAN AP-I TP-I 142 122 32 29 none none 265 246 none none 182 184 844 845 none none	122 m 122 m 29 none 1 246 none 1 184 845 none 1	29 none 195 none 184
PROJE PROPI EXPLO COMP EXPLO LENGT MUZZI SELF-I	20 mm x ATO DESIGNATION WEIGHT (g) ECTILE (g) ELLANT (g) SIEVE (g) LETER COUND (g) SIEVE TYPE ITH (COMPLETE ROUND) LE VELOCITY (m/s) DESTRUCTION TIME (s) ER BURNING TIME (s)	122 29 12.1 246 RDX 1 184 845 4.5-8	122 122 29 29 12.1 6.1 246 246 RDX+AL RDX 184 184 845 845 4.5-8 4.5-8	122 29 6.1 r 246 : RDX+AL r 184 845 : 3 4.5-8 r	and HS 80 PI-T API 142 142 32 32 2006 265 265 2008 182 184 844 one none 3.5 3.5	4 "HISPAN AP-I TP-I 142 122 32 29 none none 265 246 none none 182 184 844 845 none none	122 m 122 m 29 none 1 246 none 1 184 845 none 1	min 70 29 none 195 none 184 none





Rocket Weapon



90 mm HAND ROCKET LAUNCHER - RBR M79



SPECIFICATION	
ТҮРЕ	HEAT
LENGTH (mm)	672
MASS (g)	3630
PENETRATION (mm)	> 450 (on homogeneous armour plate)
MUZZLE VELOCITY (m/s)	245
EFFECTIVE RANGE (m)	350
MAXIMUM RANGE (m)	1960
PACKAGE (UNITS)	3
PACKAGE WEIGHT (kg)	25.3
FUZE	Impact, superquick, piezoelectric with self destruction, (UT PE M80 SP

120 mm LIGHT ANTITANK WEAPON - RBR M90



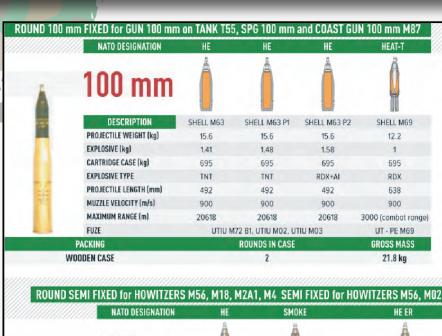
SPECIFICATION	
TYPE	HEAT
LENGTH (mm)	1350
MASS (kg)	13
PENETRATION (mm)	> 800 (on homogeneous armour plate)
MUZZLE VELOCITY (m/s)	205
EFFECTIVE RANGE (m)	250
MAXIMUM RANGE (m)	1960
PACKAGE (UNITS)	2
PACKAGE WEIGHT (kg)	56
FUZE	Impact, superquick, piezoelectric with





Artillery Shells







105 mm

SHELL M1A1 SHELL M60











DESCRIPTION	SHELL M1A1	SHELL M60	SHELL M56
PROJECTILE WEIGHT (kg)	14.9	15	13
EXPLOSIVE (kg)	2.15	1.85	2.15
CARTRIDGE CASE (kg)	2.68	2.68	2.68
EXPLOSIVE TYPE	TNT	WP	TNT
PROJECTILE LENGTH (mm)	496	496	565
MUZZLE VELOCITY (m/s)	491	491	675
MAXIMUM RANGE (m)	11620	11620	14000
FUZE	UTIU M72 B1, UTI	U M02, UTIU M03	UTIU MO2, UTIU MO3
PACKING	RO	UNDS IN CASE	GROSS MASS
WAAREN ALAE			16.8 kg
WOODEN CASE		7	ma I

Police Program



			CARTRID	GE 38 MM			
DE	ESIGNATION	ILLUMINATION	ILLUMINATION	SIGNAL	RUBBER BALLS	SINGLE BATON RUBBER	STUN
38	mm	#	#	#		•	(()
DESCR	IPTION / MODEL	ONE PART	THREE PART	WHITE/RED/ GREEN			
LENGTH	(mm)	70	70	70	123	123	137.5
MAXIMU	M HEIGHT (m)	70	70	80	1	1	1
BURNIN	G TIME (s)	5	5	5	1	1	1
LIGHT IN	ITENSITY (Cd)	3 x 120 000	3 x 120 000	3 x 120 000	1	1	1
MASS OF	F CARTRIDGE (g)	1	1	1	120	180	190
NUMBER	OF BALLS (pcs.)	1	1	1	28	1	1
MAX RAI	NGE (m)	1	1	1	150	100	1
SOUND	NTENSITY (dB)	1	1	1	1	1	120
PACKIN	G	BAGS IN CASE		CA	ARTRIDGES IN BA	G	
	DESIGNAT	277777777777	72777777777777	- SMOKE, S	STUN, FLASH	1222212122222	ND EL ASH
	DESIGNAT	ON	ND GRENADE SMOKE		STUN	1222212122222	ND FLASH
	designati 45 m	ON	72777777777777		773273777777	1222212122222	ND FLASH
· ·		m	72777777777777		STUN	1222212122222	ND FLASH
Q	45 m	m	72777777777777		STUN	STUN A	ND FLASH
9	45 m	m	SMOKE		STUN ())	STUN A	≠))
9	45 m DESCRIPTION / LENGTH (mm)	m	SMOKE 130		()) 130	STUN AI	≠))
	45 m DESCRIPTION / LENGTH (mm) DELAY TIME (s)	MODEL	130 3		()) 130	STUN AI	≨)) 30 3
	45 m DESCRIPTION / LENGTH (mm) DELAY TIME (s) SMOKE TIME (s)	MODEL E [g]	130 3 60		130 3	STUN AI	(*)) 30 3
	45 m DESCRIPTION / LENGTH (mm) DELAY TIME (s) SMOKE TIME (s) MASS OF GRENAD	MODEL E [g] Cd)	130 3 60		130 3 /	1 1 200	(*)) 30 3 / 80
	DESCRIPTION / LENGTH (mm) DELAY TIME (s) SMOKE TIME (s) MASS OF GRENAD LIGHT INTENSITY	MODEL E [g] Cd)	130 3 60		130 3 7 180	1 1 200 1	30 3 7 80 0 000









DESCRIPTION / MODEL	RBGR 38/6 MM M06	
CALIBER	38 mm	
TUBE	smooth	
TUBE LENGTH	250 mm	
CHARGE	6 shells	
THE LENGTH OF THE DRUM	130 mm	
RATE OF FIRE	10 shells / min.	
TRIGGER MECHANISM	double action	
WEIGHT WITHOUT AMMUNITION	6.5 kg	
HEIGHT	< 335mm	
WIDTH	<160mm	
AMMUNITION	38 mm	
GUNPOINT DEVICES	mechanical	
CHINDOINT PARTITION	50 - 150 m	







Explosives



PENTHRITE (PETN)



Penthrite (PETN), one of the most powerful and most bristant explosive, is used in the manufacture of detonating fuse, detonators, industrial explosive slurries and plastic explosives. If phlegmatized with wax, it is used in various types of ammunition.

TRINITROTOLUENE (TNT)



Military grade TNT is widely used as a bursting charge for high explosive shells, aircraft bombs, grenades, naval mines and etc. It is also used in boosters, detonators, demolition charges and as an ingredient in slurries and for mining industries.

ANFO EXPLOSIVE



ANFO has a wide variety of applications in dry hole blasting conditions. It is one of the most cost effective blasting agents available for use in large hole diameter mining through to small hole diameter quarrying. ANFO provides excellent heave energy.

BOOSTERS



Boosters are made of cast TNT/RDX mixtures with an integrated primer charge of pressed tetryl or PETN which produces high velocity of detonation and detonating pressures, ensuring reliable initiation of bulk and cartridge explosives.



















1. Hardware Sales

Selling servers, workstations, laptops, desktops, networking equipment, and peripherals.

2. Custom Builds

Designing and assembling custom hardware solutions tailored to specific business needs.

3. Installation Services

Setting up and configuring hardware at client locations.

4. Network Design and Implementation

Planning and implementing networking solutions, including routers, switches, and wireless access points.

5. Cloud Integration

Helping businesses integrate on-premises hardware with cloud services for hybrid solutions.

6. Training and Consultation

Offering training sessions for staff on how to effectively use and maintain hardware.

7. Control & Operation Room

Offering designing and implementation of control rooms or operation rooms.







The CEO, Mr. Osman Chennar, is an accomplished, multi-skilled, pragmatic business man with over 20 years of experience in the Defence sector. He established Kalandor Limited. Registered in Bulgaria and Turkey in the Trade **Companies Register, the company is fully** licensed for export and import of Defence related products. He has good cooperation with producers

and suppliers in the field of the

production of arms, ammunition

and dual used goods.







He is specialized in:

- Acquiring stocks directly from manufaturers from several countries and covering all available empty production slots with orders from manufaturers.
- He is into import, export and re-export of military products.
- He partners in the production lines of several entities.

He is known for his capacity to supply a full range of arms and ammunition within a short lead time and has successfully executed contracts within ministries of Defence of several countries such as Nigeria (Army, Navy, and Air Force), UAE, Ethiopian Defence Ministry, Democratic republic of Congo, Egypt, and Albania.















Our Cutting Edge Solutions



Location Intelligence

Utilizes geospatial data for enhanced situational awareness and informed decision-making in their operations.



LBS

Leverages geographical data to track and analyze the location of devices or individuals for operational purposes.



OSINT

Unleash the potential of our **OSINT** solution for comprehensive information gathering and analysis, providing actionable insights for strategic decision-making and enhanced security.



CCTV AI Module

Utilizes advanced algorithms to identify and track faces or vehicle license plates, aiding in surveillance and security applications.



Secure Messenger

Ensures confidential communication. protects sensitive data, and maintains operational security amidst evolving digital threats.



Digital Forensics

Extract, analyze, and leverage digital evidence crucial for uncovering threats, understanding adversaries, and safeguarding national security.



Surveillance & **Counter-Surveillance**

Protects against adversaries' monitoring, safeguarding classified information and operations.



Cybersecurity

Cybersecurity products are vital defenses against digital threats, employing technologies like firewalls and antivirus software to safeguard systems and data from unauthorized access and attacks.







A Revolution in Geospatial
Technology through an Innovative
Crowd Intelligence System;
Pioneering Counter Terrorism
and Crime Prevention.





that enable us to analyze the digital footprints of anonymous devices based on their movements and behaviors. These models reveal incredibly intelligent patterns.

DICON D7G creates behavioral analytics models

Why DICON D7G?



>Investigate



>Monitor



>Protect



> Predict & Prevent





Detecting & Combating most types of crime

- Organised Crimes
- > Terrorism
- > Financial Crimes
- Border Security
 (Human trafficking, Weapons Supply, ...)
- Critical Infrastructure Security
- > Natural Disasters
- > Espionage







Organized crime

- > Drug Trafficking
- > Drug dealing
- > Human Trafficking
- Kidnapping
- > Banditry

Counter- Terrorism

Identify key players

Identify their locations

Terrorists' groups with sudden movements

Identify threat patterns

Track Terrorists' activities

Uncover hidden trends

Discover relationships



Financial Crimes

- **TBML**
- > TBTF
- Money Laundering
- **Corruption**
- > Fraud
- > Tax Evasion

Critical infrastructure Security

- Real time insights into the status of critical infrastructure (Pipelines, Airports, Embassies,...)
- Illegal activities interception
- > Predictive analysis
- Proactive threat detection & protection
- > Logistics tracking

Financial Crimes

- Detect suspicious behavior at onboarding
- Mitigate transaction fraud and slash false positives
- Prevent account takeovers & account update fraud
- Investigating Corruption Networks
- Identifying Asset Locations
- Tracking Financial Flows

Border Security

- > Protect your borders 24/7 and get alerted by any trespassers
- UZG.
- Identify & protect critical premises (geofencing)
- > Tracing illicit supply chains (weapons, ...)
- **D7**6

84

- > Demonstrate trafficking routes
- Identify smugglers and their inter countries activity

DICON D7G Concept



> Global Visibility



Correlation with multiple data sources



> Offline System



> Friendly graphical user interface.



Siving the investigator the ability to achieve technical tasks.



> Navigating in time.



Control access to information





Friendly graphical user interface

Offline system



Standalone server.



No internet connection is needed.

- Synchronize different platforms among agencies
- Different Data modules under ONE suite
- No need for technical skills

Global visibility

- Data insights beyond borders.
- Manage a large amount of data (Up to 100,000 application feeding mobility Data Daily Integration of 50 billion records...).
- Data includes almost all countries.
- No need for traditional cooperation with local service providers.

Investigator's ability to achieve technical tasks

- No need for sophisticated QUERIES.
- $\overline{m{\&}}$ The investigator can do everything.
- Imagination is the limit.
 - Reduce your circle of confidentiality.









Technology, Big Data & Al

Handling Handling structured and unstructured types of data

Ingesting Ingesting the large amount of data in a measurable time

Executing Executing any query or scenario in matter of seconds

Performing complex predefined scenarios in the background

Flagging suspicious devices or entities

Providing Providing alerts and daily threat analysis reports

Navigating in time: Backward & forward investigations



Understanding

Understanding the past

Analyzing

Analyzing the present



Predicting

Predicting the future





Control access to information



Restrict Access to sensitive areas.



Audit trail record.



Multiple factor authentication(biometrics).

Digital Forensics

Telecom Data (CDR, SDR, LSB)

GIS (Geographic infomation system)

Tracking devices data

Correlation with multiple data sources

CCTV (Closed-Circuit television)





IMS (Image Matching system)



NMS (NaAme matching system)



DICON D7G Alert management

DETECT - Event/Incident Detection Alerts Management System Data Crowd

Al technology with machine learning is used to detect incidents and trigger responses

LOCATE - Analysis & Propagation and shared with appropriate Analyzes data collected by urman or Al technologies devices and resources

Jses pre-designated groups to resources, any device, any send alerts and notify

ACT - Alerts Delivery

RESPOND - Event Management responses with secure two-Manages delivery of alerts and messages and way messaging

MANAGE - End-to-end solution IoT device. Device profile and content management with performance analytics Management and reporting of

crisis response to save lives accelerated and proactive

FOLLOW-UP -Reassure & Audit Trail

Secure with audit trail,

and protect assets





Data Transfer through online platform (gcp, aws,...)



Downloading Data from Private Clouds

Cloud



DICON D7G Data Services

No connection needed between

VCIS Data Servers and deployed platforms



Law Enforcement Agency







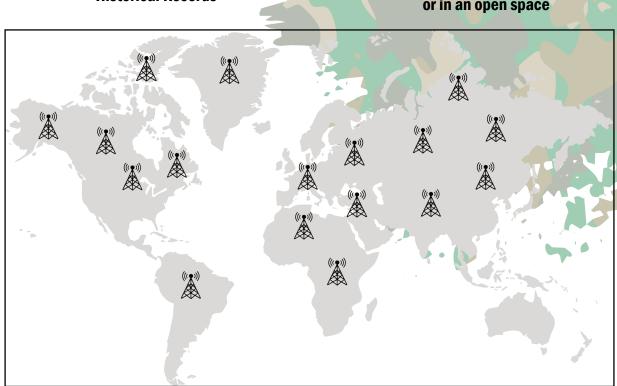


Active

- Locate specific targets (Usually Up to 50+ targets)
- The accuracy is between 50-200 meters
- ls able to obtain the location of specific targets only
- NO Previous
 Historical Records

Passive

- Obtain all subscribers location
- Visualize on a dynamic map
- The accuracy is between 25-200 meters
- Detect whether the user is inside the house or in an open space



1

Location Accuracy

Our product guarantees top-tier location accuracy, harnessing innovative methods for precise and reliable positioning. 2

Dynamic Maps

Revolutionize your navigation experience with our dynamic maps product, providing real-time updates and interactive features for seamless exploration.



Data Visualization

Experience the power of seamless data visualization with our product, enabling the comprehensive analysis of large datasets at once.



Load Efficiency

Our product excels in efficiently processing vast data volumes, ensuring swift and accurate insights for optimal decision-making.







Intelligence-Driven Decisions

Support decision-making, threat assessment, and strategic planning.





Analyze Large Sets of Data

Gather, analyze, and interpret publicly available data from Social Media, TVs, Websites, Newspapers, Chat Groups, Blogs & many others.

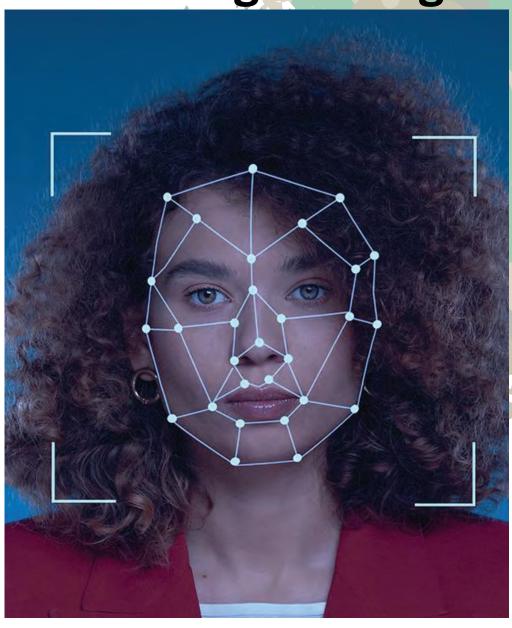
- **Real-time Insights:** OSINT offers current information for swift decision-making.
- Threat Analysis: Helps agencies proactively analyze potential risks and monitor activities.
- **Strategic Planning:** Contributes to effective strategies based on open source intelligence.
- Timely Response: Enables quick responses to emerging threats and incidents.
- **Collaboration:** Facilitates information sharing among security agencies and stakeholders.



Sustaining Global Defence Production



Face Matching & Recognition

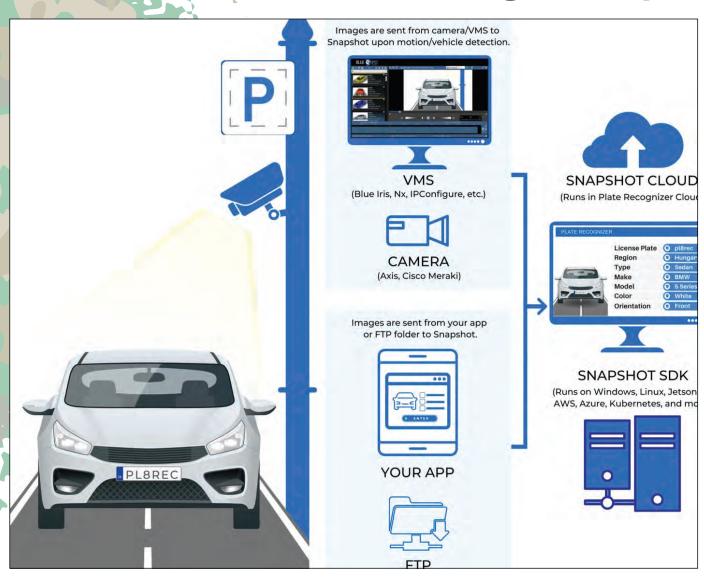


- Enables search and reporting from vast amounts of video.
- Locates person of interest faster.
- Suitable for static and non-static video (mobile, CCTV, body worn etc.).
- Imports video with faces present.
- Detects faces in video & images quickly.
- Matches faces to suspect list.
- Exports out all faces found in video quickly.





ALPR (Automatic License Plate Recognition)



ALPR System assists in:

- Tracking Suspects.
- Identifying and locating vehicles involved in criminal activities.
- Monitoring and tracking vehicles crossing international boundaries.
- Analyzing patterns, tracking vehicle routes, and identifying associations between different vehicles.
- ldentifying stolen vehicles, unregistered cars, or vehicles linked to wanted individuals.
- Threat detection by flagging vehicles associated with potential security risks.









You Own The Code

Our product stands out by offering full ownership of the source code, granting users unparalleled control and adaptability. With the ability to customize and enhance the software independently, businesses gain flexibility, security, and long-term value. This unique feature ensures a strategic advantage, empowering users to shape the product according to their evolving needs.

100%

You Own Infrastructure

Our product is uniquely hosted on self-owned infrastructure, guaranteeing users a secure, reliable, and fully controlled environment. With increased data privacy and reduced external dependencies, this approach not only ensures optimized performance but also instills confidence in users that their operations are within their complete control.



Our product employs military-grade encryption, employing state-of-the-art algorithms to secure sensitive data with maximum effectiveness. Users can trust that their information is protected at the highest level, providing peace of mind and robust security against potential threats.





Mobile Forensics



- Recover deleted data
 - **Crime investigation**
- **Bypass locked phones**

Computer Forensics





Extract data from computers laptops and storage media



- Recover deleted data
- Bypass locked devices
- **Preserve Evidence**

Malware Analysis



- Crime investigation
- **Detect Encryption and User Activity**

Cloud Forensics



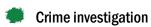
- - **Accounts**
 - Recover deleted data
- Recover & Download Data from Cloud
 - Find links between multiple devices

Vehicle Forensics



Preserve Evidence







CCTV Forensics



Recover deleted recordings

Crime investigation

Supports various types of Video Recorders

Time consuming

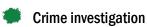
Data Recovery







Repair Damaged Hard Drives, SSD, USB,...

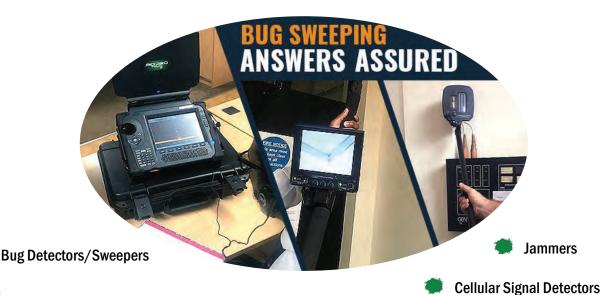


Preserve Evidence

Technical Surveillance



Counter-Surveillance



Camera Detectors/Sweepers

Wireless Signal Scanners

Spectrum Analyzers







Security information and event management

Components of SIEM

Data Collection

- Logs from diverse sources (firewalls, antivirus, servers, etc.).
- Network traffic analysis.

Normalization

Standardizes and normalizes data for consistency.

Correlation

 Identifies patterns and relationships between events

Alerting

• Generates real-time alerts for potential security incidents



Why SIEM Matters

Threat Detection

Early detection of security threats and incidents.

Incident Response

Enables quick and effective response to security incidents

Compliance Management

Facilitates adherence to industry regulations and standards

Forensic Analysis

Provides detailed analysis for post-incident investigations.











Endpoint Detection & Response



Advanced Threat Detection

Identifies and responds to sophisticated threats Examines the reputation of files and processes, identifying potential threats based on historical data and behavior.

Reduced Dwell Time

- * Implements automated response actions to minimize manual intervention and reduce the time it takes to neutralize threats.
- * Proactively searches for threats on endpoints, helping to identify and mitigate potential risks before they escalate.

Endpoint Visibility

- * Maintains an updated inventory of all endpoint devices, providing a comprehensive view of the organization's attack surface.
- * Analyzes user behavior on endpoints, detecting anomalies and potential insider threats through advanced analytics.

Compliance Assurance

- * Generates detailed audit trails of endpoint activities, aiding in compliance audits by providing a verifiable record.
- * Enforces security policies on endpoints, ensuring alignment with regulatory requirements and organizational security standards.











Penetration Testing

Objective: Identifying Weaknesses

Systematically uncover vulnerabilities in software, hardware, and network configurations. Prioritize weaknesses based on potential impact and exploitability.

Approaches: Diverse Testing Methods

Black Box Testing:

Simulates external attackers with no prior knowledge of the target system.

White Box Testing:

Assesses the system with full knowledge of internal architecture and code.

Gray Box Testing:

Strikes a balance, providing partial knowledge for a realistic perspective.

Test Your Resilience



Value Proposition: Proactive Security Measures

Risk Mitigation:

Prioritize and address high-risk vulnerabilities.

Compliance Adherence:

Support regulatory compliance with effective security controls.

Trust Building:

Demonstrate commitment to security, building trust with clients and stakeholders.

Process: Step-by-Step Exploration

Planning and Reconnaissance:

Define scope, gather information, and understand the target environment.

Gaining Access:

Attempt to exploit vulnerabilities and gain unauthorized access.

Evaluate impacts, document findings, and provide detailed reports.



102

Security Operation Center



Skill Shortage

58% of organizations believe they have a problematic shortage of cybersecurity skills, impacting the effectiveness of their cybersecurity posture.



Outsourcing

21% of organizations outsource their SOC functions partially or entirely to third-party providers.



Cybersecurity Spending

Worldwide spending on information security and risk management technology was projected to reach \$215 billion in 2024, indicating a continued increase in investment.

Outsourced SOC Benefits

Cost Efficiency:

- * Avoid upfront costs for infrastructure and technology.
- * Benefit from economies of scale and shared resources.

Access to Expertise:

- * Tap into diverse cybersecurity skills and experience.
- * Ensure 24/7 monitoring and response with dedicated professionals.

Advanced Technologies:

- * Access state-of-the-art cybersecurity tools and technologies.
- * Ensure regular updates to combat evolving threats effectively.

Focus on Core Business:

- * Emphasize core business functions with internal teams.
- * Mitigate security risks with dedicated experts, fostering business growth.











V C I S O

Cybersecurity Leadership Unleashed.

- Leverage seasoned cybersecurity experts for strategic direction.
- Develop and implement a risk management strategy aligned with your organization's specific needs.
- Access CISO-level expertise without the cost of a full-time executive.
- Swiftly deploy strategic cybersecurity measures with immediate effect.









Introduction

Criminals have become increasingly adept at taking advantage of people's need to move and their limited choices for doing so, to generate enormous illicit profits by facilitating unsafe migration. Migrant smuggling has been the focus of significant international laws and policies owing to the particular dangers posed to migrants smuggled in perilous conditions at sea. Smuggling by sea has been detected in several regions, including the Gulf of Aden, the Pacific Ocean, the Bay of Bengal, the Andaman Sea and the Mediterranean Sea. Smugglers often increase their profits by reducing safety and keeping conditions poor on board, which usually means cramming people into unseaworthy, disposable vessels.

Tracking vessels with automatic identification systems (AIS)

International waters are governed by the International Maritime Organization (IMO). The IMO requires all ships to use an automatic identification system (AIS). AIS uses the vessel's GPS or sensor built in to the AIS unit to transmit information including:

- * the vessel's name, unique marine identity number and call sign
- * the type of vessel (fishing, cargo or passenger)
- * the vessel's size
- * the vessel's position on the sea
- * its course of travel and speed.

The AIS broadcasts the vessel's position continuously – every 2–12 seconds in order to avoid collisions at sea. Satellites pick up this information and relay it to ground stations, so even vessels in remote parts of the ocean are tracked.

Dark vessels

Vessels that do not want to be tracked switch off their AIS systems. They 'go dark' and are known as dark vessels. The ships may also be involved in transferring illegal goods or smuggling drugs or people. All illegal activities are carried out by dark vessels.

Unlike registered boats, dark vessels don't have identification systems so they can't be tracked. With radar imaging, every boat on the ocean becomes visible, regardless of weather conditions or restricted waters. Cross-checking against registered signals reveals which ships don't belong.

To be able to identify and track dark vessels an intelligent system comprised of Radar, a Frequency direction finder and an AIS transponder is mandatory.







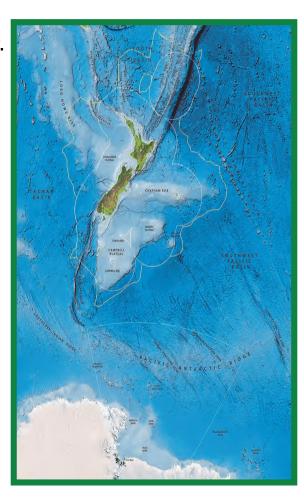
Protecting the territorial waters

Countries that border the sea have territorial waters. A very long time ago, this distance was 3 nautical miles (about 5.5 km) – the range of a cannon shot! In more modern times, the distance was 12 nautical miles (nmi) until 1982 when the United Nations established an international framework to create exclusive economic zones (EEZ) that stretch 200 nmi from the coastline. To protect the territorial water a special system should be used in order to be able to first identify the dark vessel and then be able to locate them. In order to be able to do that we need three systems:

- * Radar
- * Direction Finder with the control station.
- * Automatic Identification System Transponder.

Synthetic aperture radar (SAR)

instruments on board are very essential in determining the presence of dark vessels. SAR emits radar waves that strike the steel surface of a vessel and then ping back. SAR has real advantages over optical imagery (photos) – it isn't blocked by clouds and it does not require someone to be able to see a vessel amongst the camouflaged background of the waves. The solution includes also an automatic localization system of the radio signals on the emergency channel, an aiding system for the search area and search paths calculation and a coordination console that assists the Coast Guard operator during SAR phases by visualizing search paths and the last known position of the vessel in distress.



Localization



Sustaining Globa Defence Production



An intelligent system could detect and localize the vessel in the sea by monitoring the radio channel activity. Radio communications often occur so that an intelligent observer which looks from different locations could localize the vessel by signal direction detection. To this aim a radio direction finder (RDF), that is a device for finding the direction of an incoming radio signal, may be a useful tool. The Radio Direction Finder checks the signal strength of a directional antenna pointing in different directions. While old devices used a simple rotating antenna linked to a degree indicator, new devices use a dipole antenna to detect the signal.



In the past the RDF was used during the war to detect and identify secret transmitters in large region. The same idea can be applied to the different scenario of marine case. A group of RDFs controlled by an intelligent system can detect a distress signal and localize the source before that a communication between human beings even starts. The system we developed, is also able to track vessel movements after its first dentification (tracking feature). The detection range can increased by the installation of new units along the coast. The intelligent system is composed by a society of intelligent agents which collaborate in monitoring radio frequencies, in matching the detections, in notifying every request. The system normally listens to the maritime radio emergency channels and whenever a signal is detected, a search of possible matches is looked for. When a match is found, the agents notify the discovery to other agents

responsible for other system and to the Coast Guard personnel. When the source of the signal (the vessel) and the two detection stations are not aligned, a geometric triangulation gives the vessel position. The triangulation is computed between the direction vectors detected by the two stations. Of course, two vectors are necessary and sufficient but other ones may be used to improve the precision of the localization. Precision is in fact limited by the small error on the identification of the observed signal direction. The degree error becomes an estimated position error that is proportional to the distance between the source and the detection stations. In Figure 1 we show the simplest scenario where a dark vessel sends a signal that is in turn detected by a couple of coast stations. After the detections, the intelligent agents share that information and localize the source of the signal. In figure 1 we show the two vectors and the two angles used for triangulation. In the system there are two different kinds of stations:

Detection stations are unmanned and the only host hardware and software devoted to receive the radio signal and identify its direction. Control stations are manned and they host a complete hardware-software system thus including the capability of receiving informal ion from detection stations, performing triangulation and supporting SAR operations as described in the next subsection. Usually there is one control station responsible for each sea area according to Coast Guard procedures. Each detection station sends the following data to the control station:



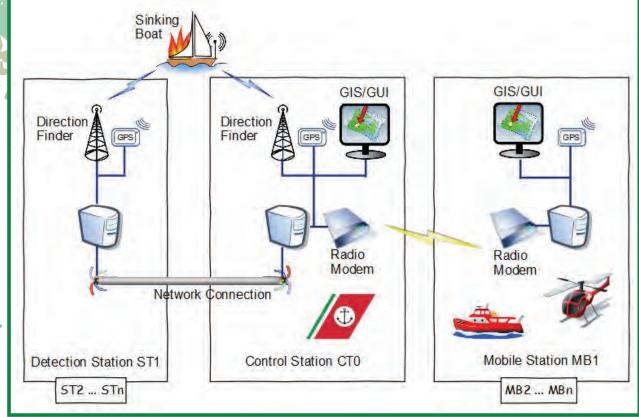


- * the radio channel of the signals obtained from detection finder
 - * the direction of the signal
 - * the position of the station

The time of detection the position and the time of detections are very useful to match detections from several stations. Of course, two detections of the same signal have a very similar detection time. The detections should be stored in an archive to solve problems about communication delays. In order to match a signal, the system searches a very similar detection from another station occurred in a fixed time window; the match with highest score is selected and used to compute the triangulation.



So far, the computed localizations are sent to a GUI-GIS platform which shows a map to support the detection and finding of the dark vessel. The operator can update the data about any vessel shown by Fig. 1.







Army training







Localization

To safeguard our nation and its interests by employing cutting-edge technology, strategic planning, and the dedication of our personnel. We envision a future where our citizens and allies can thrive in a secure and stable environment, free from threats to their safety and sovereignty. Our agency will be at the forefront of innovation,



Developing and implementing strategies to counter terrorist threats, including domestic and international terrorism.



strategies and plans to address potential threats and vulnerabilities. This includes risk assessments, scenario planning, and resource allocation.

Providing professional security services worldwide.

Cyber Security

systems such as hardware, software and data from cyberthreats.

Expertise in tactical training

This type of training is designed to equip security personnel with the knowledge, skills, and mindset required to effectively respond to a wide range of security threats and situations.

Travelling Bodyguards

High-profile individuals must take extra care and precaution during their travels.

Security devices The protection of internet-connected **Equipements**

various types of security equipment and devices designed to protect people, property, and assets from threats, theft, vandalism, and unauthorized access.

Private military contractors

Alfa provides expert bodyguard protection. Our agents are well-trained and attentive.













Employee Screening

Help your company work smoother with safety regulations & stay safe.

Selling Tactical equipments for law enforcement

Tactical Supply Solutions is proud to be a partner in the vital work of our nation's law enforcement agencies. We work tirelessly to provide the tools and equipment needed for those who put their lives on the line daily to protect our communities.

Our dedication to quality, reliability, and innovation is unwavering, ensuring that our clients are equipped to face any challenge they encounter in the line of duty.

Security Services solutions & consultancy

Alfa Defense promises superior security solutions in what the industry requires.



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