



Aviation ! Aerospace ! Defence ! Space ! Titanium ! Mining !



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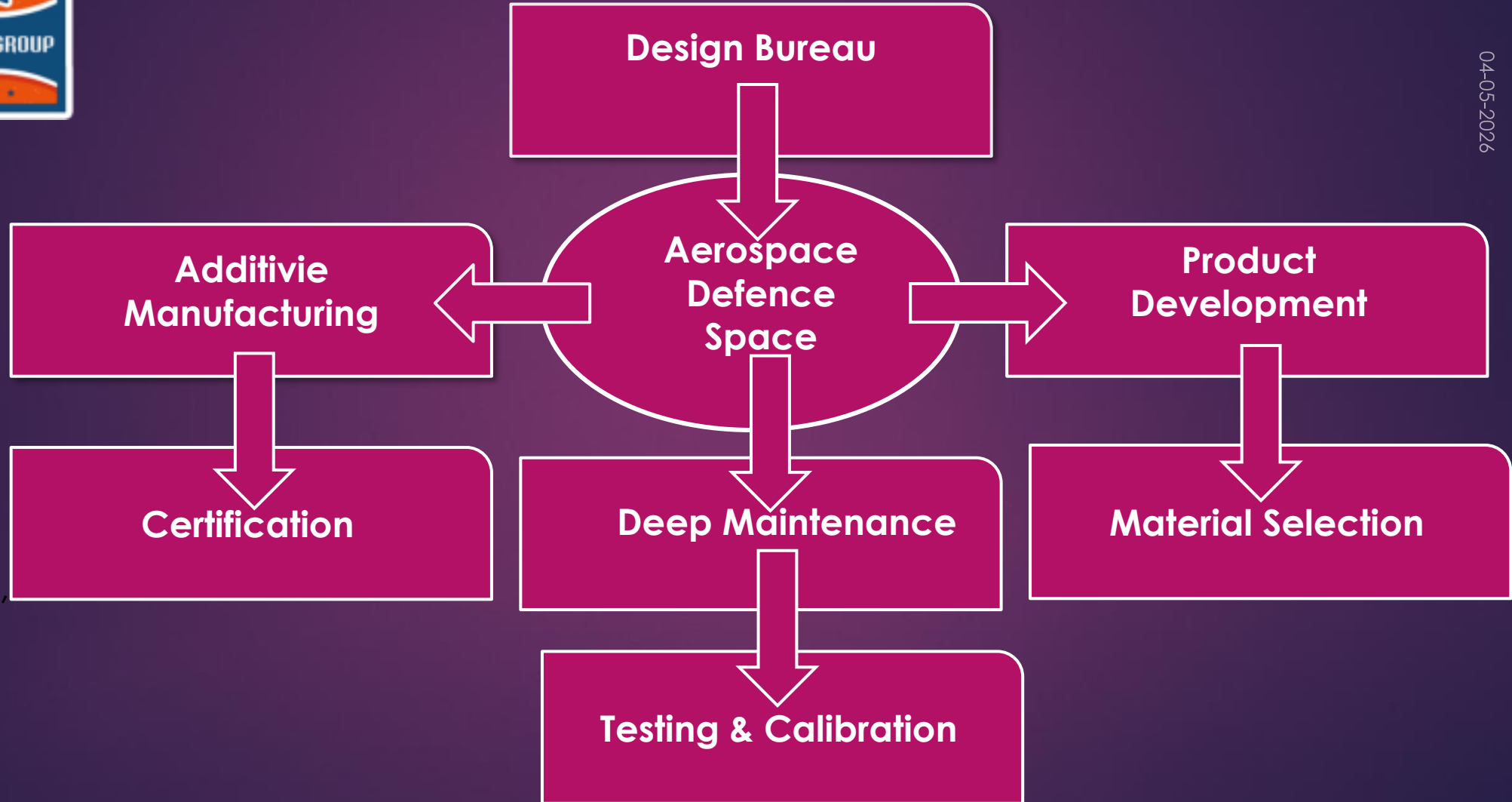


titangroup.in

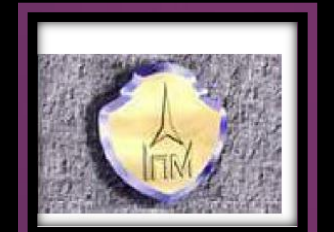
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Proposed Components in the Projects



Titan Group Collaborators





Team Titan



Gen Sharma



Giri



Dinesh



Srikanth



Raj



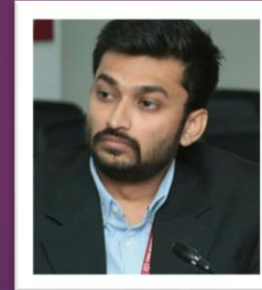
Sridhar



Dr Khan



Dilip



Guna



Anil



Overseas Team

5



Chechel



Benton



Los



Lyubomir



Tit



Adamovich



Vadym



Oleksander



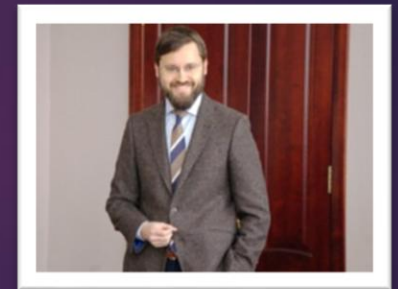
Vlashylen



Aleksey



Voith



Usov

04-05-2020



Proposed Site for Aerospace

04-05-2024



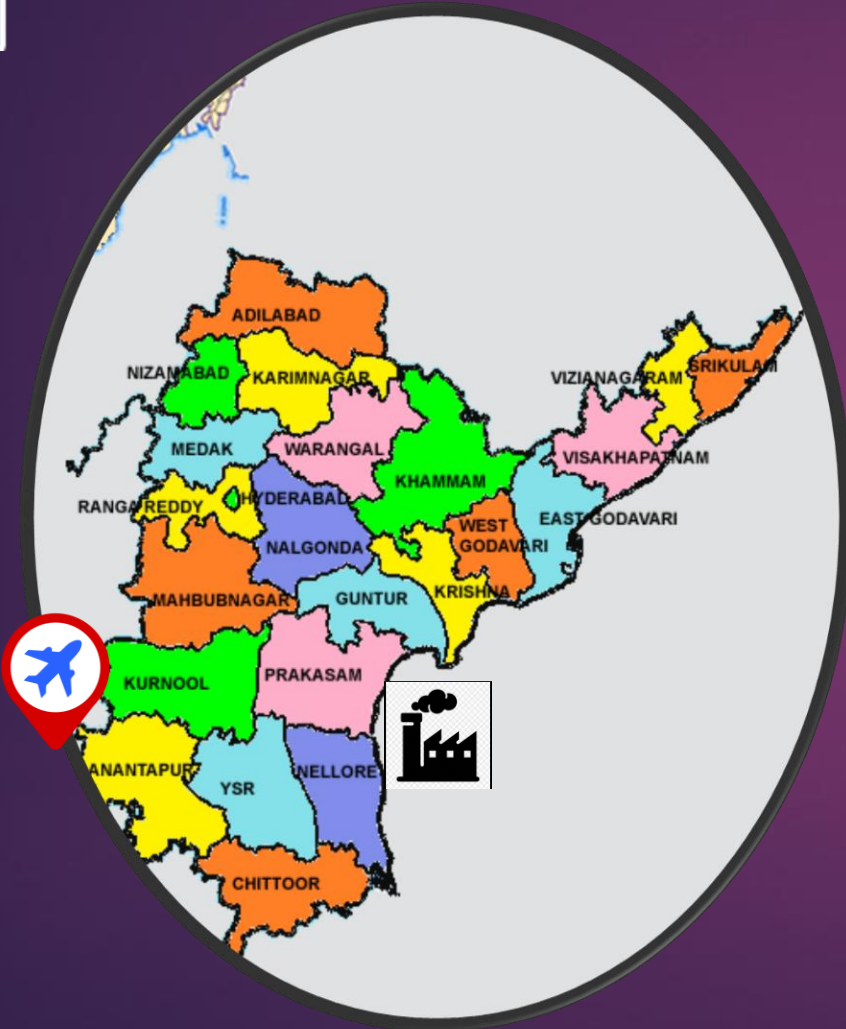
Titan Aerospace intends to lease or acquire Kurnool Airport for captive use.

(MRO) Maintenance Repair Overhauling for Aircrafts and Helicopters will be performed here Along with Simulators for civil aircrafts and helicopters.



Proposed Site for Defence Production

04-05-2026



Titan Defence is proposing to establish additive manufacturing for aerospace and defence verticals in Donakonda Defence Corridor or Kurnool Defence Cluster in Andhra Pradesh. This includes Aircrafts, Helicopters, Drone, Engines, Combat Vehicles, Body Armor Jackets.

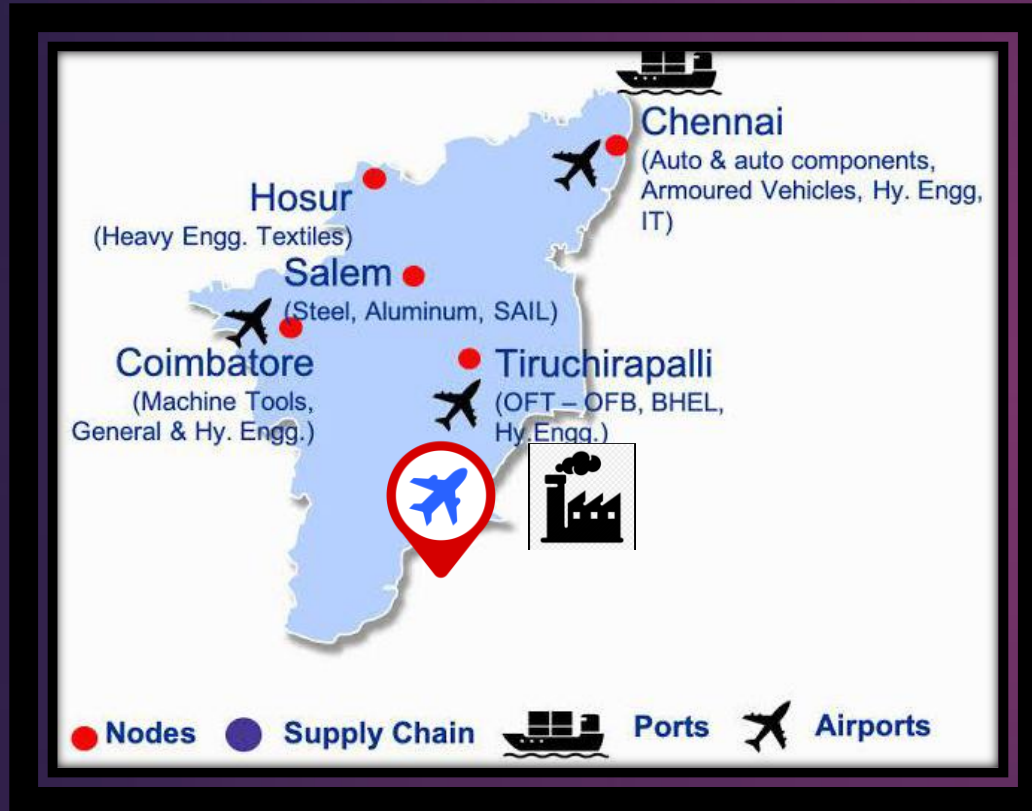




Proposed Site for Defence Production

8

04-05-2026



Titan Defence has a land allotment of 6000 Acres in Tamil Nadu Defence Corridor in Madurai Node. Titan proposes to establish additive manufacturing for aerospace and defence verticals.

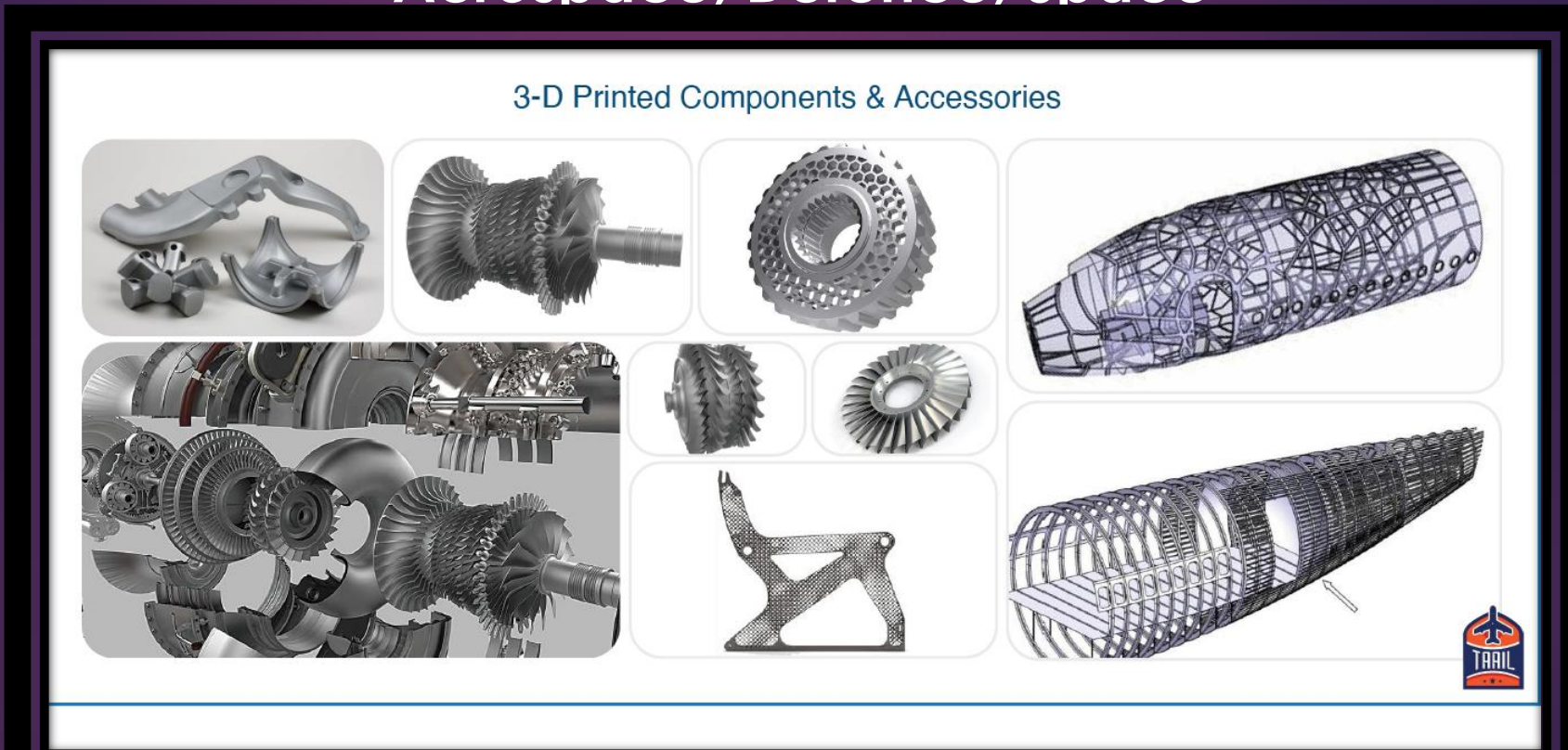
This includes Aircrafts, Helicopters, Drone, Engines, Combat Vehicles, Body Armor Jackets.



Virudhunagar District & Ramnad District of Madurai Node



Common Facility Center for Aerospace, Defence, Space



A Common Facility Center with Additive Manufacturing Facility for Aerospace Defence & Space Verticals by Using 3-D Printers



Heli Hoping Air Ambulance & Development of Heliports

TDSL intends to create Heliports at all District Head Quarters in the State of Andhra Pradesh

TDSL will deploy Helicopters for Highway Patrolling & Air Ambulance

TDSL intends to create Airfield & MRO Facilities at Donokonda Node in AP





Activities in Aviation Vertical

Civil Sims, Air Charters, Aviation University



Full Flight Simulators for Aircrafts & Helicopters, Air Charters with Double Engine & Pressurized Cabins, Skill Development through National Aviation University (Ukraine)



Product Line in Aerospace Vertical

12



04-5-2026

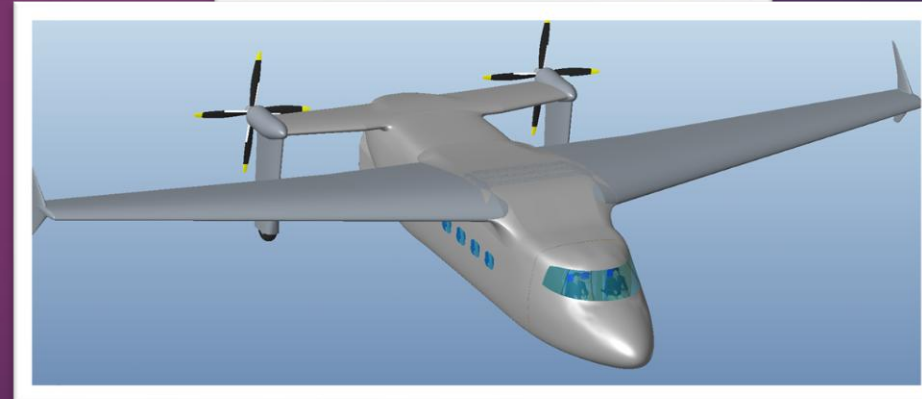
Leasing of Airport, MRO for An 74 Family this Includes An 32, An 74, An 148 An 158, An178. Mi-18, Mi-17 and Mi-171 Helicopters.



Product Line in Aerospace Vertical

13

04-05-2026



Assembly Line to Production Line for Aircrafts, Sea Planes including Test and Certification



Product Line in Aerospace Vertical

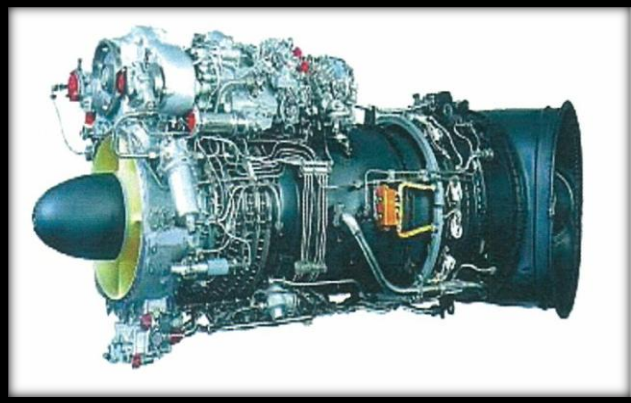


Manufacturing of different variants of Helicopters like Single & Dual Engine with VIP and Passengers Cabin Configuration or Combo of both Passenger & Cargo or Convertible Cabins from VIP to Passenger or vice versa



Product Line in Aerospace Vertical

04-05-2026



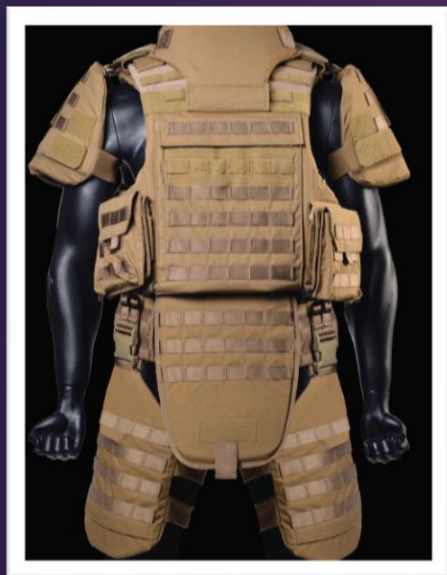
Manufacturing of Large Commercial Aero Engines for Aircrafts, Helicopters like Turbo Jet, Turbo Prop and Turbo Propop. In addition to this Engines for Drones, Combat Vehicles and Satellites.



Product Line in Defence Vertical

16

04-05-2022



Body Armor Jackets, Tactical Suits, EOD Bomb Disposal Suits, Riot Suits, Riot & Tactical Suits for Working Dogs



Product Line in Defence Vertical

17

04-05-2026



BALLISTIC HELMETS



COVERALLS



Head Gear and Accessories for Soldiers



Product Line in Defence Vertical Short Arms & Automated Rifles





Product Line in Defence Vertical

Drill cartridges

TECHNICAL DATA

Available calibres: 9x19mm, 40 S&W, 45 ACP, 4.6x30mm, 5.56x45mm, 7.62x51mm, 7.62x39mm, 12.7x99mm, 12 shotshell
Other calibres upon customer's request.

Plastic drill cartridges

- Cartridge case made from plastic PE +30%GF with self lubricating additive
- Base of cartridge made from brass or aluminium
- Rubber buffer in base for firing pin protection
- Cartridges provided in orange colour or upon customer's request

Brass and steel drill cartridges

- Cartridge made from Brass
- Cartridge made from Steel

7.62x39mm plastic blank ammunition

TECHNICAL DATA

Designation: 7.62x39 plastic blank ammunition
Calibre: 7.62x39mm
Product number: 500002

Cartridge material: PE HD
Base: 20x40
Primer: brass, large rifle
Propellant: NC powder
Colour: red
Cartridge weight: 76.3g
Operational temp. range: 20°C to +50°C

Storage:
Temperatures and conditions as for live ammunition.
Long term storage: -10°C to +30°C at 60% up to 30%
Long term storage conditions to be valid only for ammunition stored in original closed outer packaging.
10 years during long term storage in warehouse.

Shelf life:
Hazard code: 1.4L, UN 0014

USE
All versions of AK-47 rifles in calibre 7.62x39
Semi-auto and full-auto mode with ARX blank firing attachment.
Handling and firing as with live ammunition.

BALLISTIC AND OTHER DATA
Safety template: 3-meters front of the muzzle with ARX blank firing attachment.

PACKING
Marking and packing: in accordance with STANAG 2951 ADR-2 and regulations of ADR, RID, IMDG CODE and IATA DGR
Inner packaging: 30 rounds in inner cardboard box
Intermediate packaging: waterproof sealed plastic bag
Outer packaging: cardboard box, 60 inner boxes, total of 1,800 cartridges
wooden box: 78 inner boxes, total of 2,340 cartridges
Packing and marking could be done according to customer's requirements.

7.62x39mm Non-Lethal rubber bullet ammunition

TECHNICAL DATA

Designation: 7.62x39 Non-Lethal rubber bullet ammunition
Rifle calibre: 7.62x39mm

Cartridge case: Plastic PE HD - blue colour
Bullet: Rubber - BS 20A - yellow colour
Bullet weight: 0.63g
Base: Zn-AlO
Primer: SP base: Non-toxic and Non-Corrosive
Weight: 7.54g

Operational temp. range: -10°C to +50°C
Shelf life: 5 years
Storage: Temperatures and conditions as for live ammunition
Hazard code: 1.4L, UN0012

MAIN CHARACTERISTICS

- The plastic, special rubber material and cartridge construction result in optimum performance from our rubber bullet ammo providing for Non-Lethal effect at optimum distance.
- Blue coloured cartridge case and yellow bullet provides an additional instant visual reference as Non-Lethal ammo avoiding user mistakes by reducing likelihood of mixed Non-Lethal and live ammunition.
- Low noise and weapon recoil.
- Weapon operators with hand cycling for single shot by shot shooting. No automatic or semi-automatic shooting.

USE
Weapons: semi-automatic pistols in calibre 7x19
Firing mode: single shot by shot with hand cycling
Purpose of use: Riot control
Training and target shooting.

STANDARD PACKING
30 rounds in plastic tray / inner box, 3,000 rounds in cardboard box
60 rounds in plastic tray / inner box, 3,000 rounds in wooden box
Packing and marking could be done according to customer's requirements.

7.62x39mm Non-Lethal rubber bullet ammunition

TECHNICAL DATA

Designation: 7.62x39 Non-Lethal rubber bullet ammunition
Rifle calibre: 7.62x39mm

Cartridge case: Plastic PE HD - blue colour
Bullet: Rubber - BS 20A - yellow colour
Bullet weight: 1.07g
Base: Zn-AlO
Primer: NC powder
Propellant: SP base: Non-toxic and Non-Corrosive
Weight: 7.64g

Operational temp. range: -10°C to +50°C
Shelf life: 5 years
Storage: Temperatures and conditions as for live ammunition
Hazard code: 1.4L, UN0012

MAIN CHARACTERISTICS

- The plastic, special rubber material and cartridge construction result in optimum performance from our rubber bullet ammo providing for Non-Lethal effect at optimum distance.
- Blue coloured cartridge case and yellow bullet provides an additional instant visual reference as Non-Lethal ammo avoiding user mistakes by reducing likelihood of mixed Non-Lethal and live ammunition.
- Low noise and weapon recoil.
- Weapon operators with hand cycling for single shot by shot shooting. No automatic or semi-automatic shooting.

USE
Weapons: rifles in calibre 7.62x39
Firing mode: single shot by shot with hand cycling
Purpose of use: Training and target shooting.

STANDARD PACKING
30 rounds in cardboard box, 2,340 rounds in wooden box
60 rounds in cardboard box, 1,800 rounds in outer cardboard box
Packing and marking could be done according to customer's requirements.

7.62x39mm Non-Lethal rubber bullet ammunition

BALLISTIC DATA

Minimum safety distance: 3 meters
Recommended shooting distance: 30m-50m
Maximum bullet range: up to 30m
Impact energy at 30m: 100 J/m²

USE OF NLA RUBBER BULLETS FOR RIOT CONTROL PURPOSE

- Always respect prescribed minimum 30 meters safety distance front of the weapon.
- Always respect recommended shooting area on human body.
- Always aim in lower part of the body for good effect and to avoid injury the person.
- Never aim and shoot at the head or neck!

SAFETY DISTANCE MINIMUM 6 METERS

SHOOTING AREA ON HUMAN BODY

7.62x39mm Non-Lethal rubber bullet ammunition

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SAFETY DISTANCE MINIMUM 6 METERS

SHOOTING AREA ON HUMAN BODY



Product Line in Defence Vertical

MAIN COMBACT TASKS:

- neutralization of sheltered and unsheltered enemy war material (including armour material)
- neutralization of enemy manpower
- neutralization of fortified and non-fortified point and area targets

TECHNICAL DATA

Projectile mass (kg)	43.1
Projectile length (with nose plug) (mm)	684
Fuze	Impact, SQ and delay
Muzzle velocity (m/s)	690 (Zone 8)
Maximum range (m)	18.400 (Zone 8)
Powder Type	NCD 26 (Zone 8)
Powder mass (kg)	9.4 (Zone 8)
Primer	TK M82 P2

PACKING

* Projectile	8 pcs per pallet
Dimensions	360 mm x 765 mm x 829 mm
Gross weight	360 kg
Volume	0,23m ³
UN no.	0242
Hazard class	1.3C
* Primer	1000 pcs per case
Dimensions	572 mm x 375 mm x 262 mm
Gross weight	50 kg
* Propelling charge	20 pcs per box pallet
Dimensions	1060 mm x 720 mm x 1000 mm
Gross weight	308,4 kg
* Fuze	8 pcs per metal box
Dimensions	300 mm x 144.5 mm x 188 mm
Gross weight	7,7 kg

FUZE
UTIU, M15



155 mm Ammunition Shells



Product Line in Defence Vertical

ACE ONE
AI powered combat drone with stealth technology and swarming capabilities

Features:

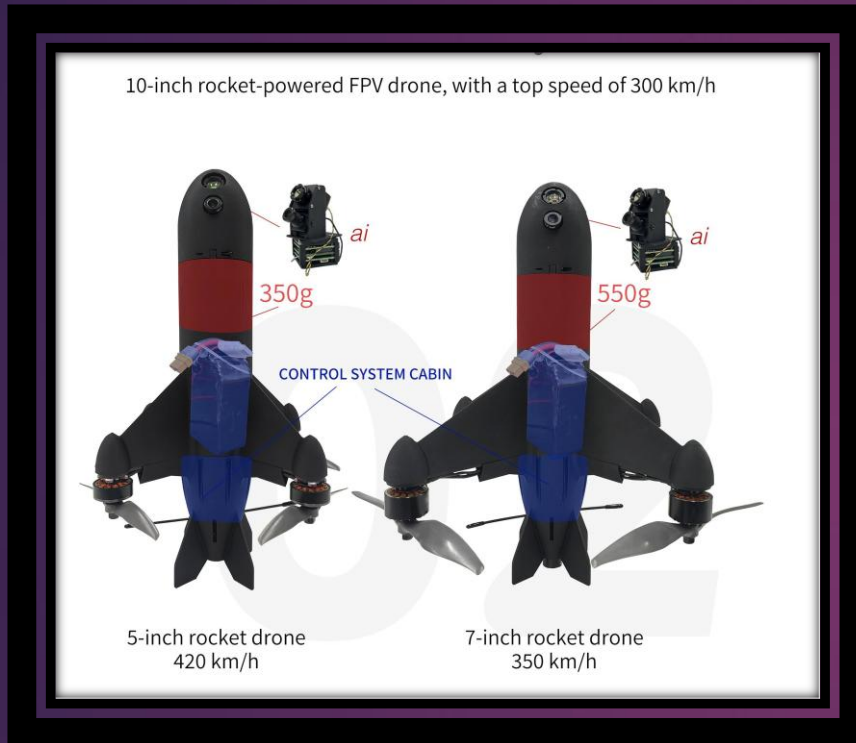
- High speed and low observability
- AI decision making
- Remote and autonomous control
- Swarming solutions
- Loyal wingman capabilities
- Multifunctionality
- Affordability



Drones with different Pay Load Capabilities and Endurance



Product Line in Defence Vertical

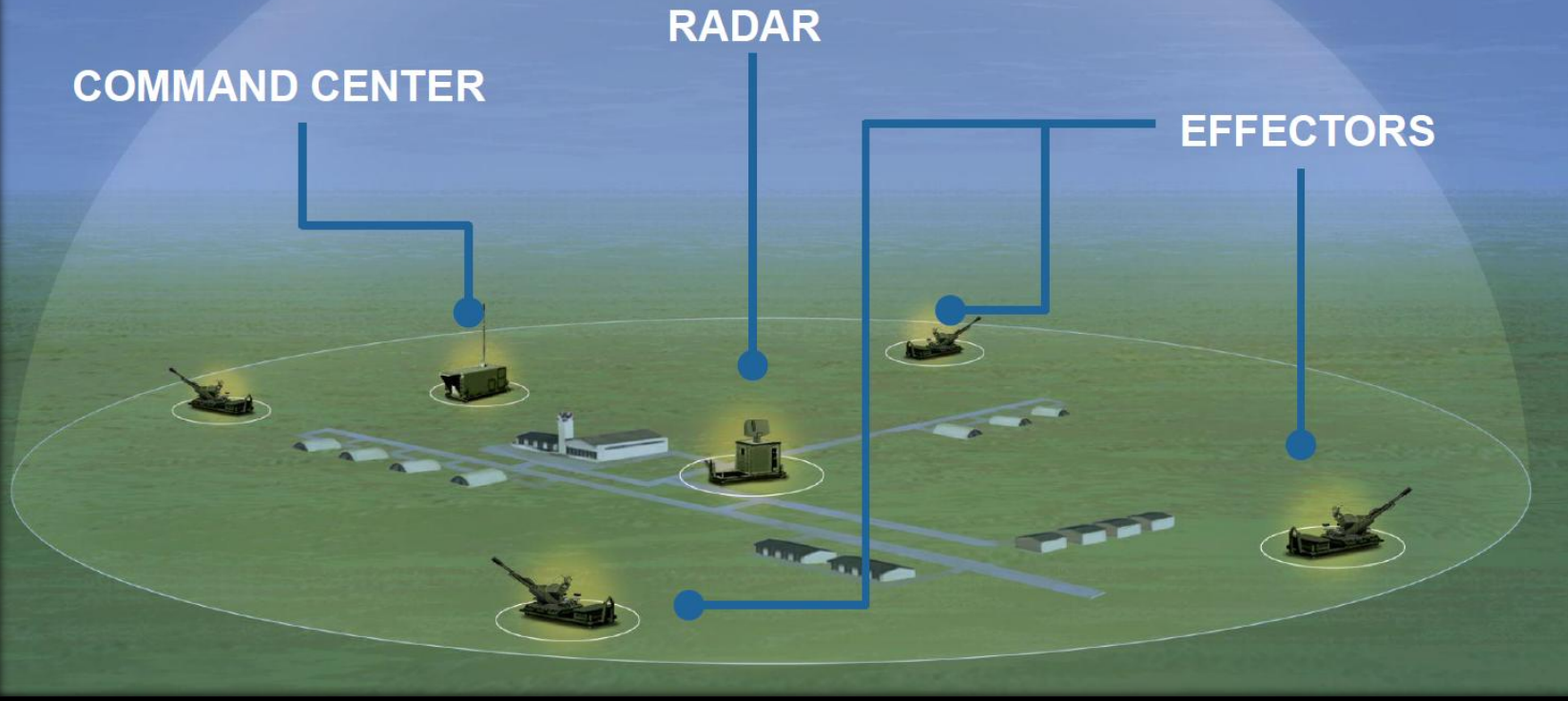


B-2 Inceptor Drones



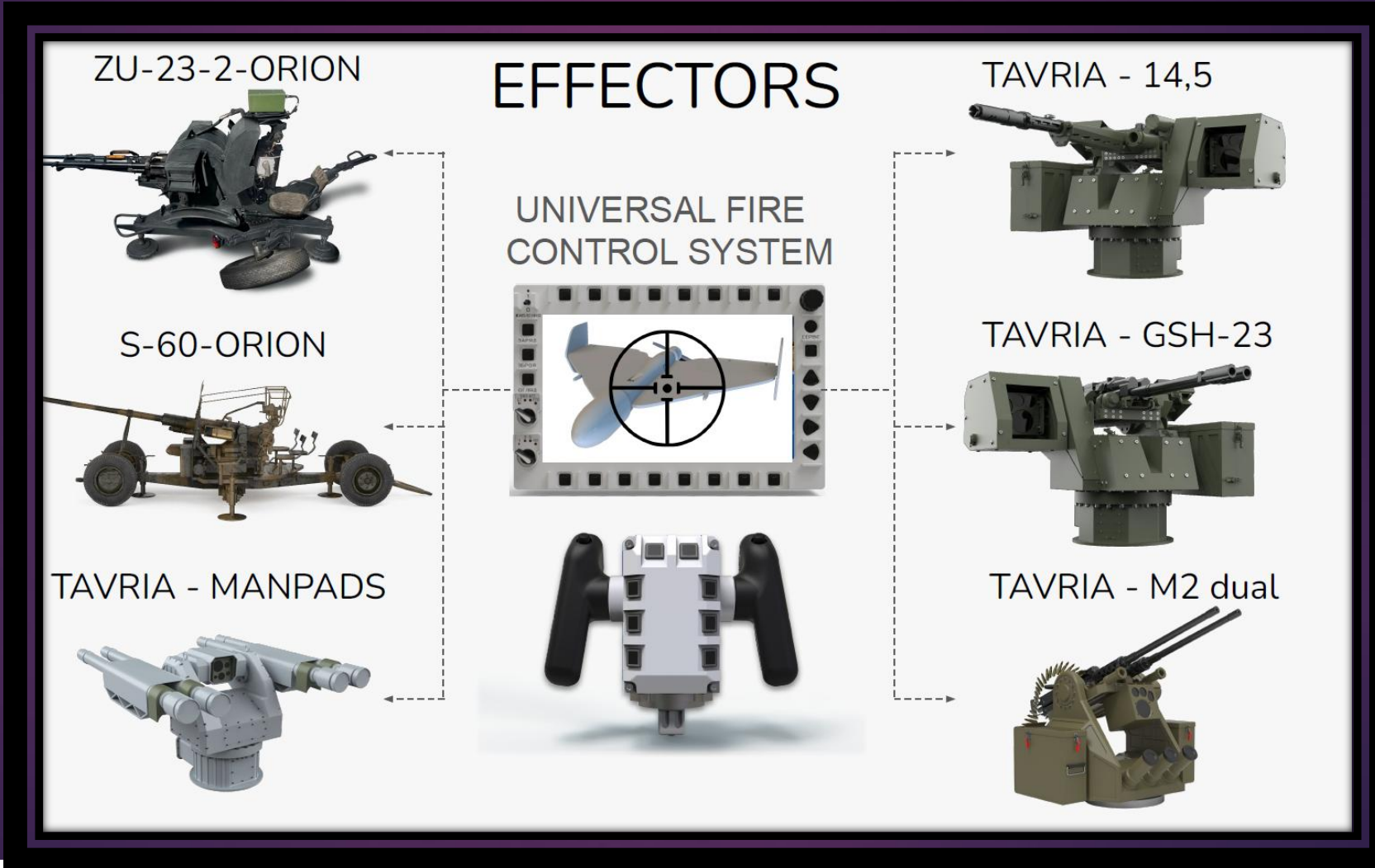
Air Defence System

Air Ivy short range air Defence System





Variants of Air Defence Systems





Combat for Different Threat Levels

Air Ivy. Target Interception Weapons

Anti-aircraft artillery

S-60, ZU-23-2, GSH-23, Browning M2



Attack drones

SHAHED 131/136, HERBERA



Air defense missiles

IGLA, STINGER, PIORUN, GROM



Cruise missiles

KALIBR, X-555/101



Interception drones

FLYCAT X



Reconnaissance drones

ORLAN, ZALA, SUPERCAM



N/A



Ballistic missiles

ISKANDER, KINDJAL





Product Line in Defence Vertical

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04-01-2026

Upgradation & Modernization of Combat Vehicles



Manufacturing of Armored Personnel Carriers & Combat Vehicles





Product Line in Defence Vertical

27

04-05-2026



Armored Combat Vehicle
with 6 x 6 Wheel Configuration



Infantry Fighting
Vehicle Equipped with
a 30mm Turret



Command
Post Vehicle



Armored Police Vehicle



Medical Evacuation
Vehicle Medical



Tactical Vehicle
with Electronic
Intelligence System



Product Line in Defence Vertical

**ROBOTIC ARMORED VEHICLE "HMMWV"
MODERNIZED BY INSTALLING THE RCWS "TAVRIA-12.7-2"**



REMOTE CONTROLLED WEAPON STATION "TAVRIA-12.7-2"

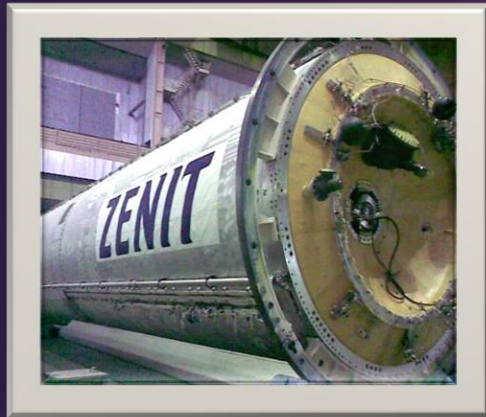


Robotic Armored Vehicle

Remote Controlled Weapon Station



Product Line in Defence Vertical



Manufacturing of Titanium Air Ballons, Seeker Heads, Necking of Missile Heads of Missile Chamber



Product Line in Defence Vertical



Manufacturing of Night Vision Devices & Stealth Textile



Product Line in Space Vertical



Space Driven Technology
Manufacturing Facility in 2 Stages
Satellite & Launch Vehicles
Land & Sea Launch. Satellite Debris, Satellite
Relocation and Repositioning



Titanium & Scandium ore to Sponge Production Facility

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04-05-2026





Proposed Activities in Titan Companies

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04-05-2026

Company Name	Activity	Investment	Duration	Equity to Investor Group	Titan Group
Titan Aviation & Aerospace India Ltd	Aerospace	USD 4 Billion	10 Years	55%	45%
Titan Defence Systems Ltd	Defence	USD 4 Billion	10 Years	55%	45%
Titan Geo Space Systems Ltd	Space	USD 4 Billion	10 Years	55%	45%
Titan Metals & Minerals Ltd	Mining	USD 2 Billion	10 Years	55%	45%

Exit Plan

Return of Investment 7 th to 10 th Year	Titan Group	Investor Group
Buy back of 40% Shares from Investor Group	85%	15%



CAPEX Breakup and Revenue Statement

**Simulators, Air Charters
Aviation University
CAPEX USD 600 Mil
Revenue USD 200 Mil**

**Short Term
06 Months**

**Design Bureau, Product
Development, MRO
CAPEX USD 5.6
Revenue USD 4 Bn**

**Mid Terms
18 Months**

**Production Line: Aircrafts,
Engines, Helicopters,
Drones, Combat Vehicles
,Body Armor Jackets,
Bomb Blankets, Missiles,
CAPEX USD 6 Billion
Revenue 7 Bn**

**Long Term
24 Months**



End of Presentation

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492

357

816