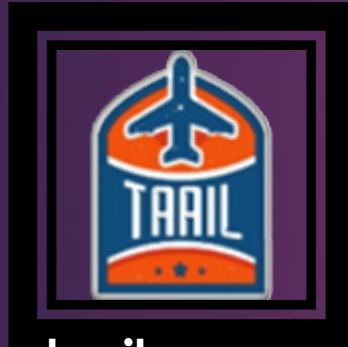




Aviation ! Aerospace ! Defence ! Space ! Titanium ! Mining !



taail.com



india-tdsl.com



india-tgssl.com



titangroup.in

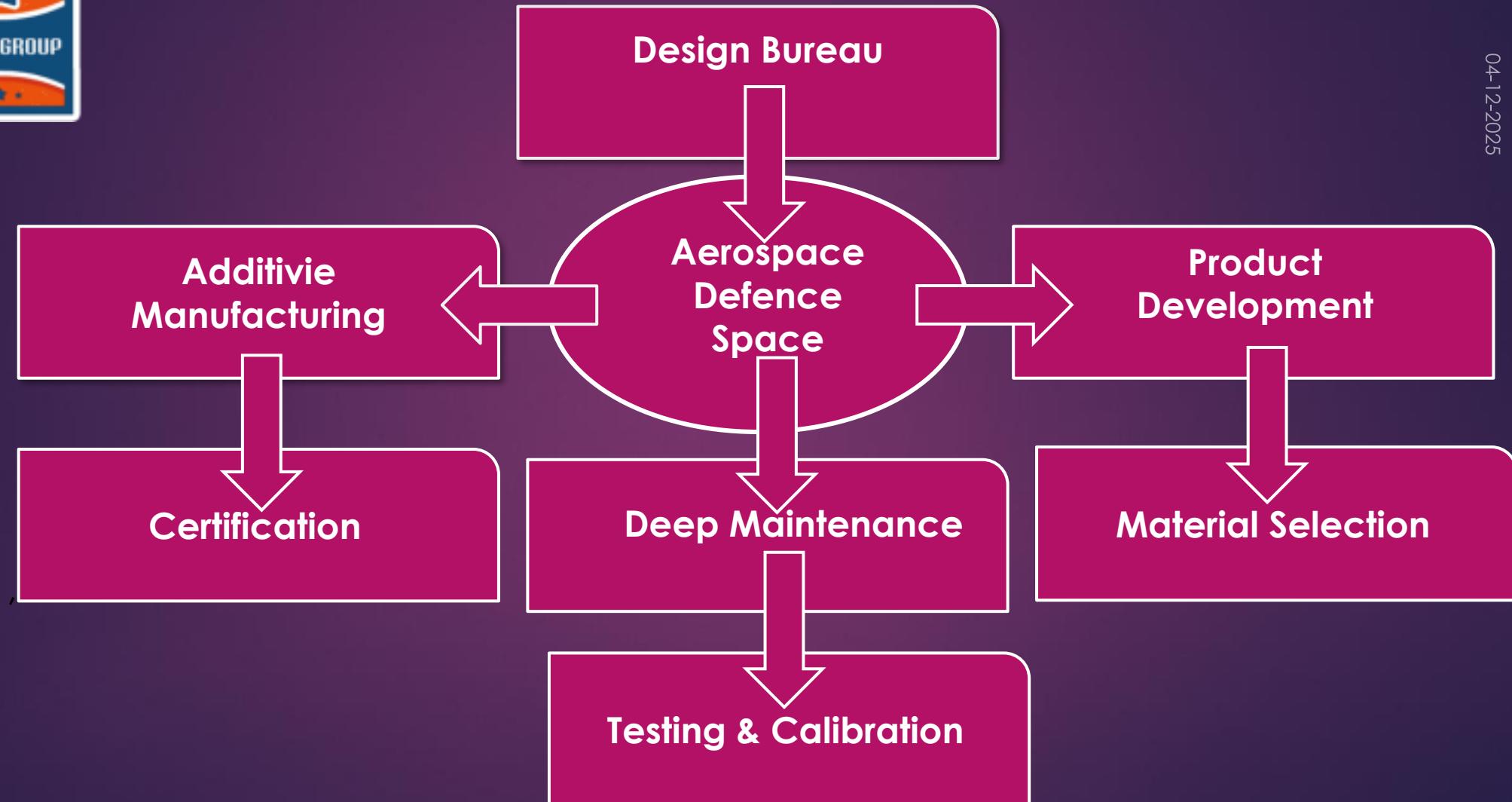
www.titangroup.in



Proposed Components in the Projects

2

04-12-2025





Titan Group Collaborators



Engine Repair



IPMS

TAHA UGV
Unmanned Land Vehicles



Drones



Engine & Heli



UKRAINIAN AERIAL VEHICLES

MRO



Aviation University



Electron Beam



Anti Drone Guns & Drone
Detection Radar



Team Titan



Gen Sharma



Giri



Dinesh



Srikanth



Sridhar



Raj



Anil



Sekhar



Santosh



Dilip



Dr Khan



Manju



Overseas Team

04-12-2020



Chechel



Benton



Los



Lyubomir



Tit



Adamovich



Vadym



Oleksander



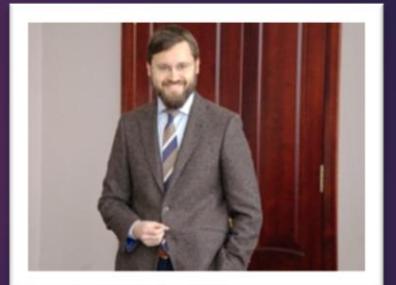
Vlashyen



Aleksey



Voith



Usov



Proposed Site for Aerospace

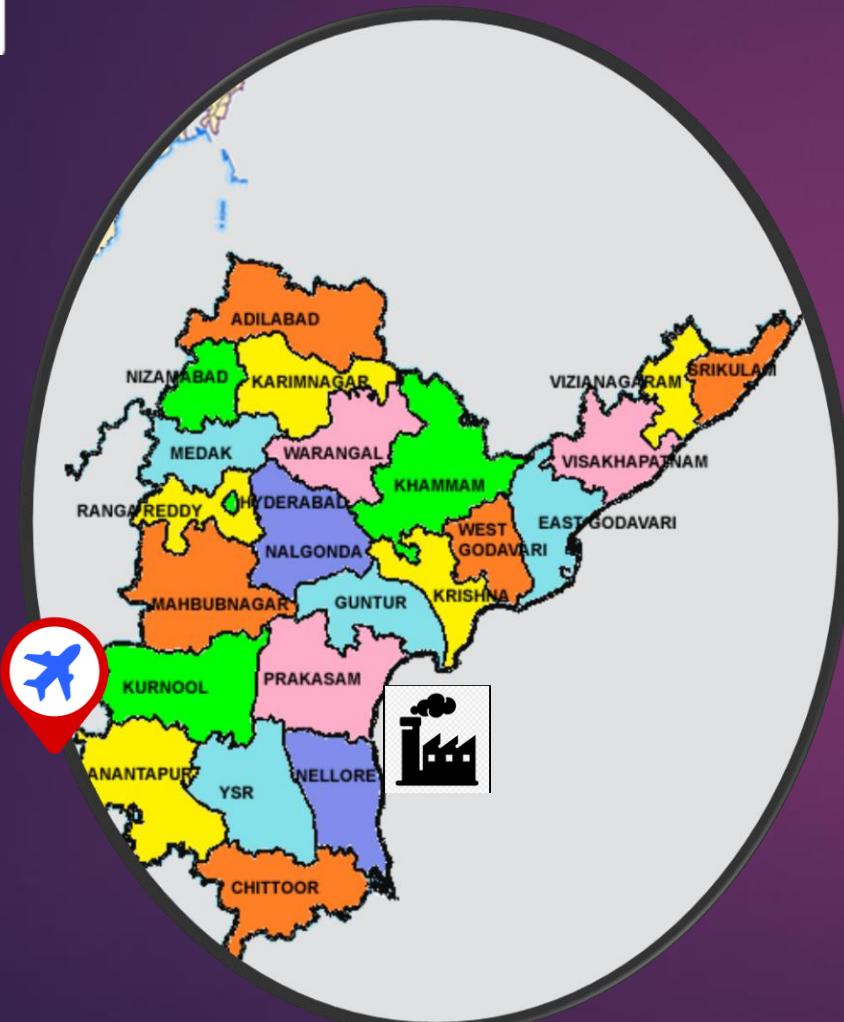


Titan Aerospace intends to lease or acquire Kurnool Airport for captive use.

(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

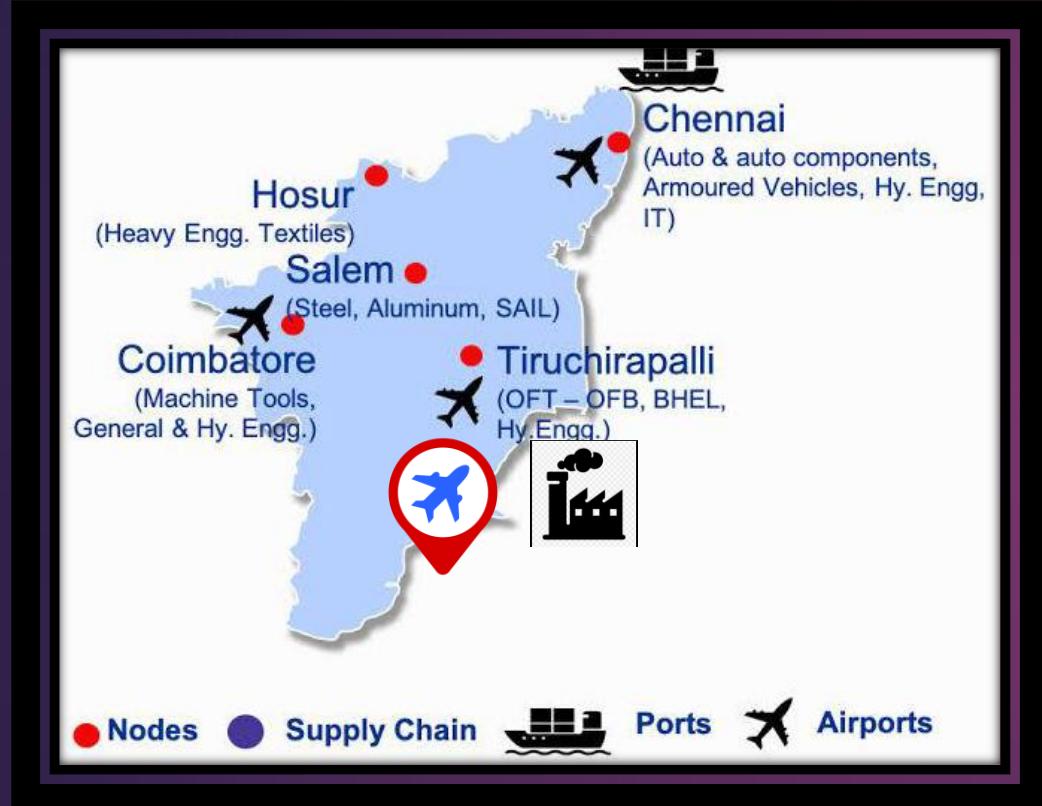


Titan Defence is proposing to establish additive manufacturing for aerospace and defence verticals in Donakonda Defence Corridor or Kurnool Defence Cluster in Andhra Pradesh. This includes Aircrafts, Helicopters, Drone, Engines, Combat Vehicles, Body Armor Jackets.





Proposed Site for Defence Production



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.





Common Facility Center for Aerospace, Defence, Space

3-D Printed Components & Accessories



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)



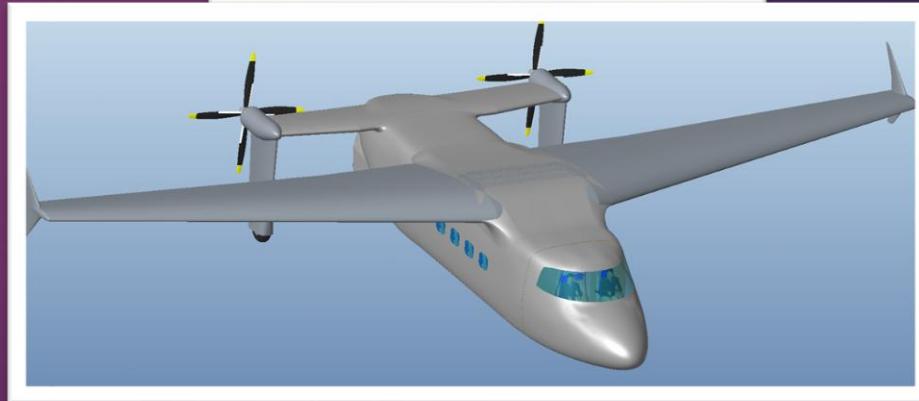
Product Line in Aerospace Vertical



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



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



Product Line in Aerospace Vertical

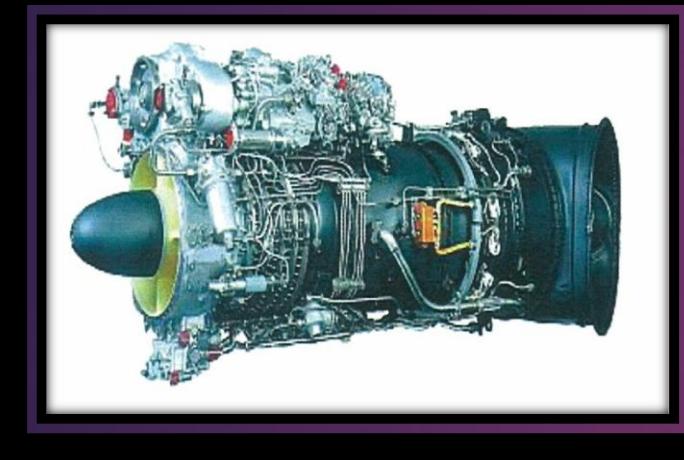


Manufacturing of different variants of Helicopters like Single & Dual Engine with V... and Passengers Cabin Configuration or Combo of both Passenger & Cargo or Convertible Cabins from VIP to Passenger or vice versa



Product Line in Aerospace Vertical

04-12-2025



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

04-12-2021



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



Product Line in Defence Vertical

17

04-12-2025



Head Gear and Accessories for Soldiers



Product Line in Defence Vertical Short Arms & Automated Rifles

18

04-12-2025





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, 4x, 1000FG with self lubricating additive
- Base of cartridge made from brass or aluminium
- Rubber buffer in base for firing pin protection
- Cartridges provided in colour orange 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: 7.62x39mm plastic blank ammunition
Cartridge case: Plastic PE HD

Parameter	Value
Calibre	7.62x39mm
Product number	500002
Cartridge material	Plastic PE HD
Base	Brass
Primer	Lead powder
Propellant	Red
Colour	Red
Cartridge weight	>6.3g
Operational temp. range	-20°C to +50°C
Storage	5 years. Temperature and conditions as for live ammunition
Shelf life	30 years during long term storage in warehouse.
Hazard code	1.4S, UN0014

USE

- Rifles
- Firing modes

All versions of AK-47 rifles in calibres 7.62x39mm

Semi-automatic and full auto mode with AERX blank firing attachment. Handling and firing as with live ammunition.

BALISTIC AND OTHER DATA

Safety template: 5 meters front of the muzzle with AERX blank firing attachment.

PACKING

Marking and marking:

In accordance with TR/TC/AC 2953 AOP-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, 63 inner boxes, total of 1,890 cartridges or wooden box, 78 inner boxes, total of 2,340 cartridges

Packing and marking could be done according to customer's requirements.

9x19 NLA Non-Lethal rubber bullet ammunition

TECHNICAL DATA

Designation: 9x19 NLA Non-Lethal rubber bullet ammunition
Cartridge case: Plastic PE HD

Parameter	Value
Calibre	9x19mm
Product number	500003
Cartridge case	Plastic PE HD - blue colour
Bullet	Rubber "BD SPA" - yellow colour
Base	Brass
Primer	SP powder
Weight	> 2.6g
Operational temp. range	-10°C to +50°C
Shelf life	5 years. Temperatures and conditions as for live ammunition
Storage	1.4S, UN0012
Hazard code	1.4S, 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 operates with hand cycling for single shot by shot shooting. No automatic or semi-automatic shooting.

USE

Weapons

- Single shot
- single shot by hand cycling
- Rein control

Purpose of use

- Training and target shooting

STANDARD PACKING

30 rounds in plastic tray / inner box, 1,000 rounds in cardboard box
or
30 rounds in plastic tray / inner box, 3,000 rounds in wooden box
or
30 rounds in cardboard box, 63 inner boxes, total of 2,340 cartridges

Packing and marking could be done according to customer's requirements.

7.62x39 NLA Non-Lethal rubber bullet ammunition

TECHNICAL DATA

Designation: 7.62x39 NLA Non-Lethal rubber bullet ammunition
Cartridge case: Plastic PE HD - blue colour

Parameter	Value
Calibre	7.62x39mm
Product number	500004
Cartridge case	Plastic PE HD - blue colour
Bullet	Rubber "BD SPA" - yellow colour
Base	Brass
Primer	SP powder
Weight	> 4.4g
Operational temp. range	-10°C to +50°C
Shelf life	5 years. Temperatures and conditions as for live ammunition
Storage	1.4L, UN0012
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 operates with hand cycling for single shot by shot shooting. No automatic or semi-automatic shooting.

USE

Weapons

- Rifles in calibre 7.62x39mm
- single shot by hand cycling
- Rein control

Purpose of use

- Training and target shooting

STANDARD PACKING

30 rounds in cardboard box, 2,340 rounds in wooden box
or
30 rounds in cardboard box, 63 inner boxes, total of 1,890 cartridges

Packing and marking could be done according to customer's requirements.

Ballistic data for 9x19 NLA rubber bullet

BALLISTIC DATA

Minimum safety distance: 5 meters
Recommended shooting distance: 10 meters
Maximum bullet range: 20 meters
Impact energy at 5m: Less than 2.1 J

USE OF NLA RUBBER BULLETS FOR REIN CONTROL PURPOSES

Always respect prescribed minimum 20 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 to the head or neck.
Never aim and shoot at the head or neck!

Safety distance

SHOOTING AREA ON HUMAN BODY

Ballistic data for 7.62x39 NLA rubber bullet

BALLISTIC DATA

Minimum safety distance: 5 meters
Recommended shooting distance: 10 meters
Maximum bullet range: 20 meters
Impact energy at 20m: Less than 2.0 J

Safety equipment

Minimum safety distance

Terminal effect

Safety design

PACKING

30 cartridges in plastic tray and 1 plastic bag
vacuum sealed, waterproof transparent plastic bag
20 inner boxes of total 1,000 cartridges in box
or
30 cartridges in plastic tray and 1 plastic bag
vacuum sealed, waterproof transparent plastic bag
20 inner boxes of total 1,000 cartridges in metal box NLA



Product Line in Defence Vertical

MAIN COMBAT 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 UTIU, M15
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

22

04-10-2025

Upgradation & Modernization of Combat Vehicles

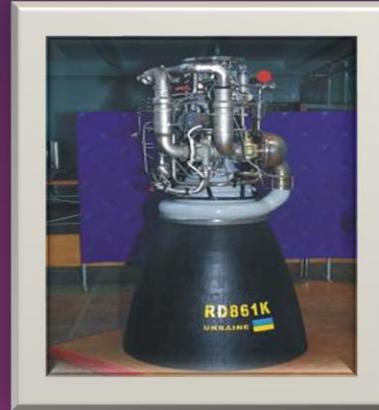


Manufacturing of Armored Personnel Carriers & Combat Vehicles





Product Line in Defence Vertical



Manufacturing of Titanium Air Balloons, 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

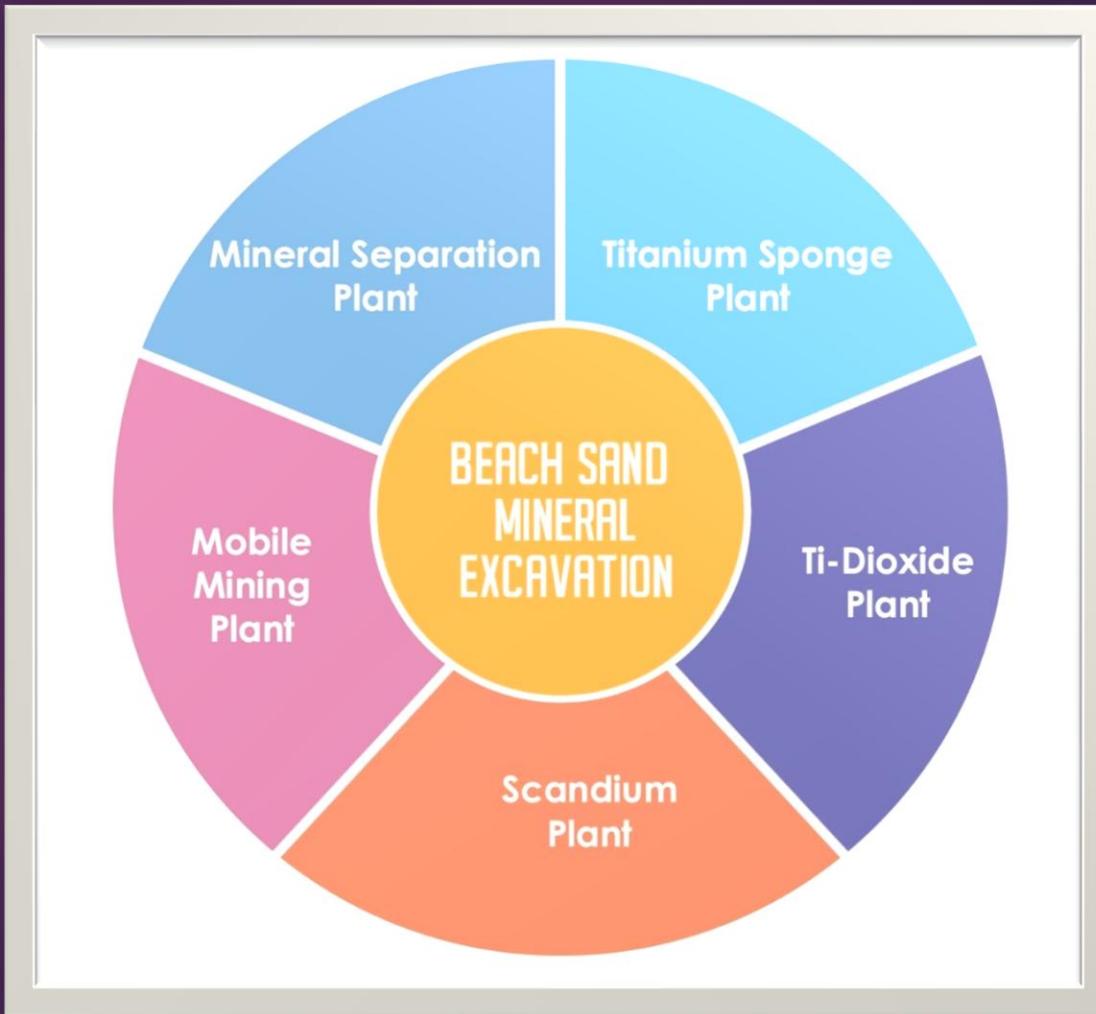


**Space Driven Technology
Manufacturing Facility in 2 Stages
Satellite & Launch Vehicles
Land & Sea Launch. Satellite Debris, Satellite
Relocation and Repositioning**



Titanium & Scandium ore to Sponge Production Facility

04-12-2025





Proposed Activities in Titan Companies

27

04-12-2025

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

28

04-12-2025

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

Contact Details

+ 91 9866269808

info@titangroup.in

www.titangroup.in