



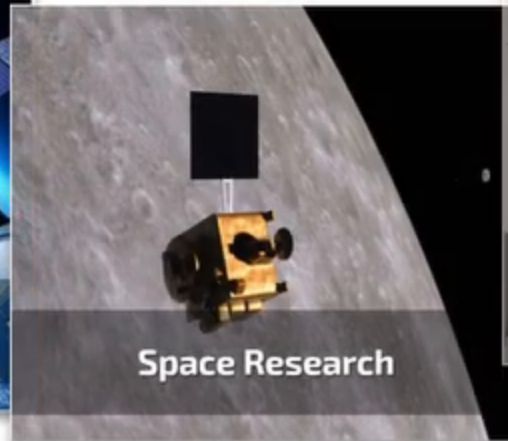
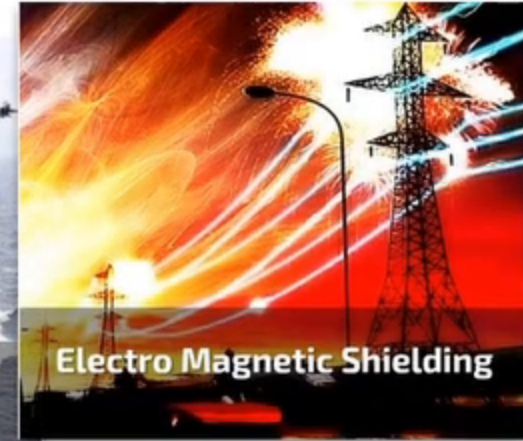
Paras Defence & Space Technologies Limited


Premier Defence and Space Engineering Company

Company At A Glance



Application Areas





Leadership Team



Independent Directors & CS



M.M. Handa

Independent Director



Dr. Hina Gokhale

Independent Director



Suresh Katyal

Independent Director



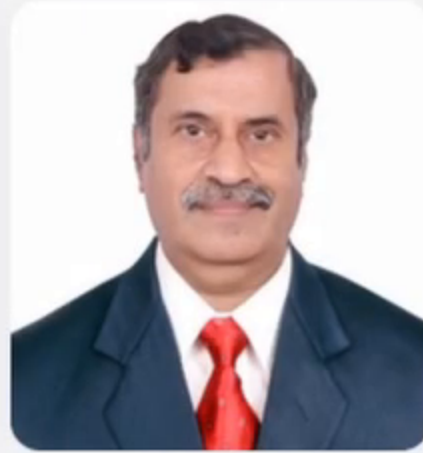
Jajvalya Raghavan

Company Secretary

Vice Presidents



R. Rajagopal
Sr. Vice President



N. Saravanan
Sr. Vice President



K. Natarajan
Sr. Vice President



Dr. Padmanabham
Sr. Vice President



G.S. Ravichandar
Sr. Vice President



D. Ramakantha
General Manager



A.R. Bodhe
Industry expert

Locations of Paras

01 **Navi Mumbai**

Optics Mfg, Opto-Mech Integration, Electronics D&E, System Integration, Directors & Corporate Departments

02 **Ambernath**

Heavy Engineering Mfg., Mechanical System Integration, Test Facilities

03 **Bengaluru**

Optics Design, Advanced Electronics System Design, Sales & Marketing, Projects & Customer Interface, After Sales Support

04 **Ahmedabad**

Optics Design, Optics Simulations, Opto-Mechanical Assemblies etc.

05 **New Delhi**

Sales & Marketing, Customer Interface, Post Sales Co-ordination

06 **Hyderabad**

Sales & Marketing, Customer Interface, Post Sales Support



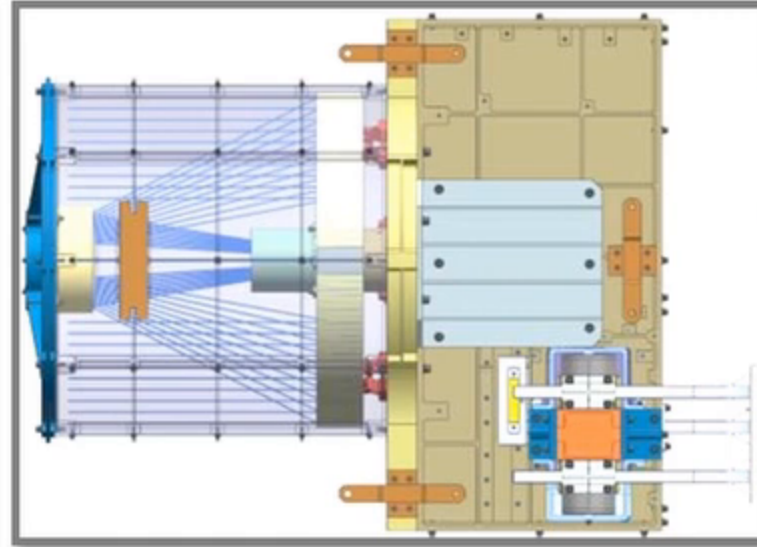
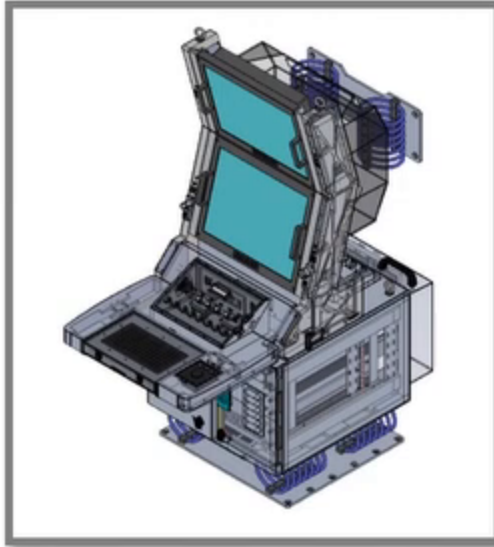
Un-Paralleled Capabilities



State of the Art Manufacturing Facilities



Exceptional Design & R&D Capabilities



Optronic System Design

Opto-Mechanical Designs

Optical Designs

Electronic System Designs

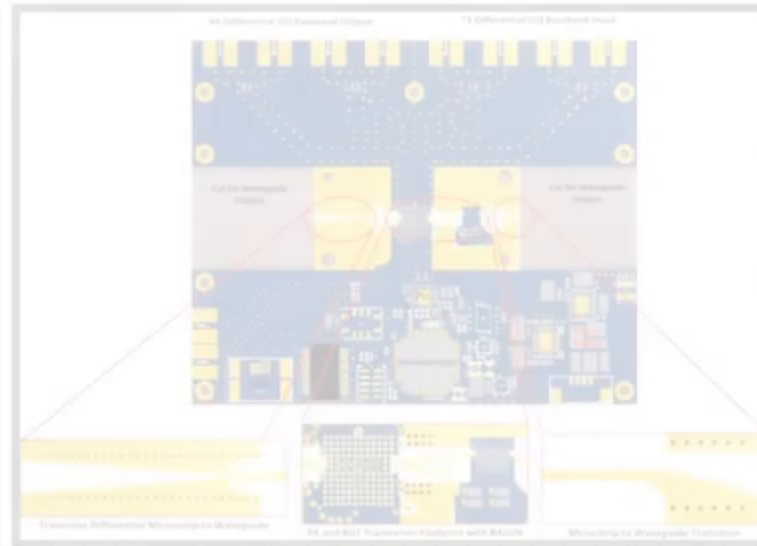
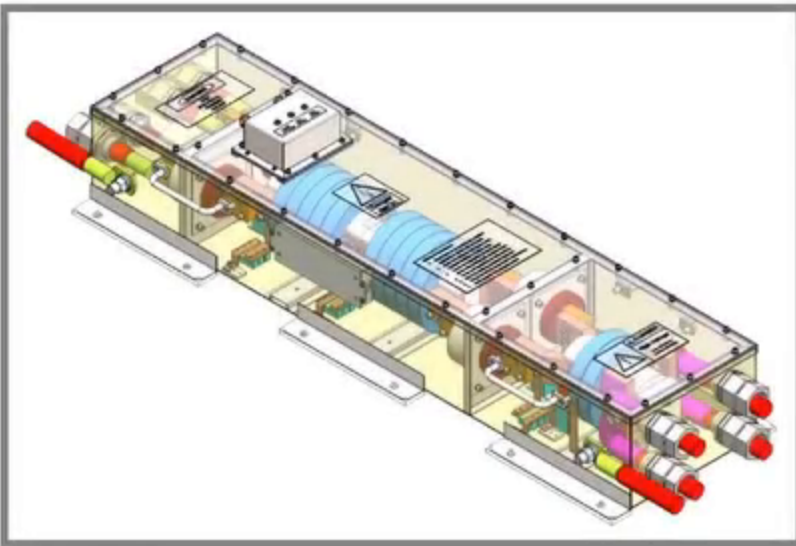
Embedded Electronic Designs

Software Development

ElectroMagnetic Protection Design

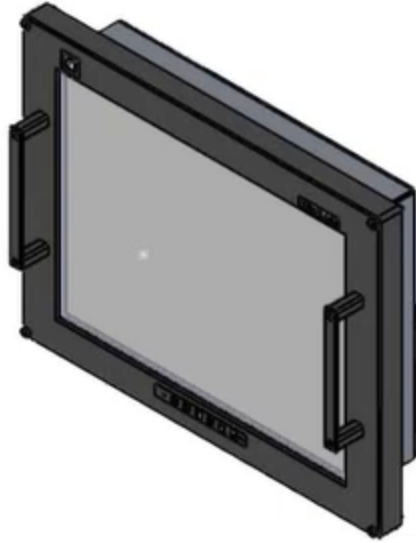
RF, Microwave, Antenna Designs

Mechanical Design & Analysis

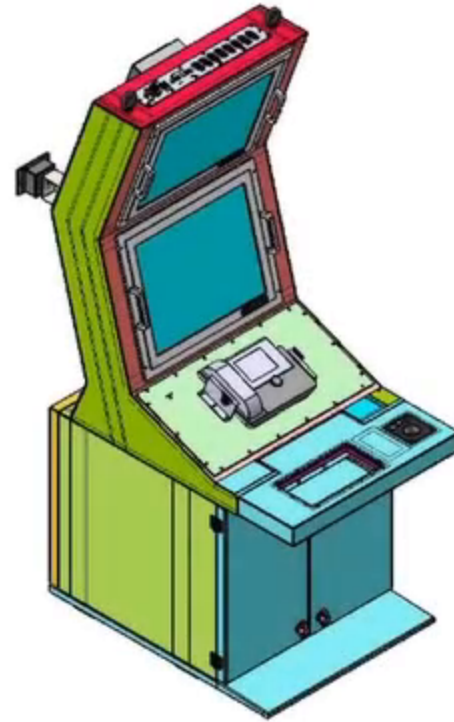




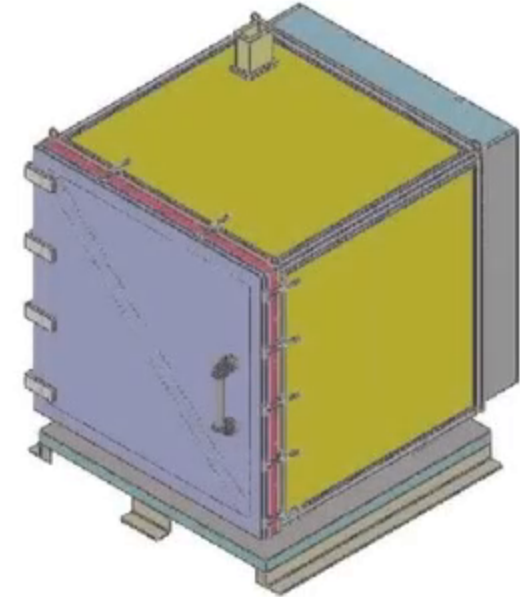
Latest Patents Awarded to Paras Defence



EMP Protected Rugged Display



Shock/Vibration Proof Heavy Duty Console



ElectroMagnetic Pulse Protected Rack



Certificates & Recognitions



ISO
9001:2015
Certified



AS9100D
Certified by
DQS



ITAR
Cleared




SAMAR
Certified
for Level 4



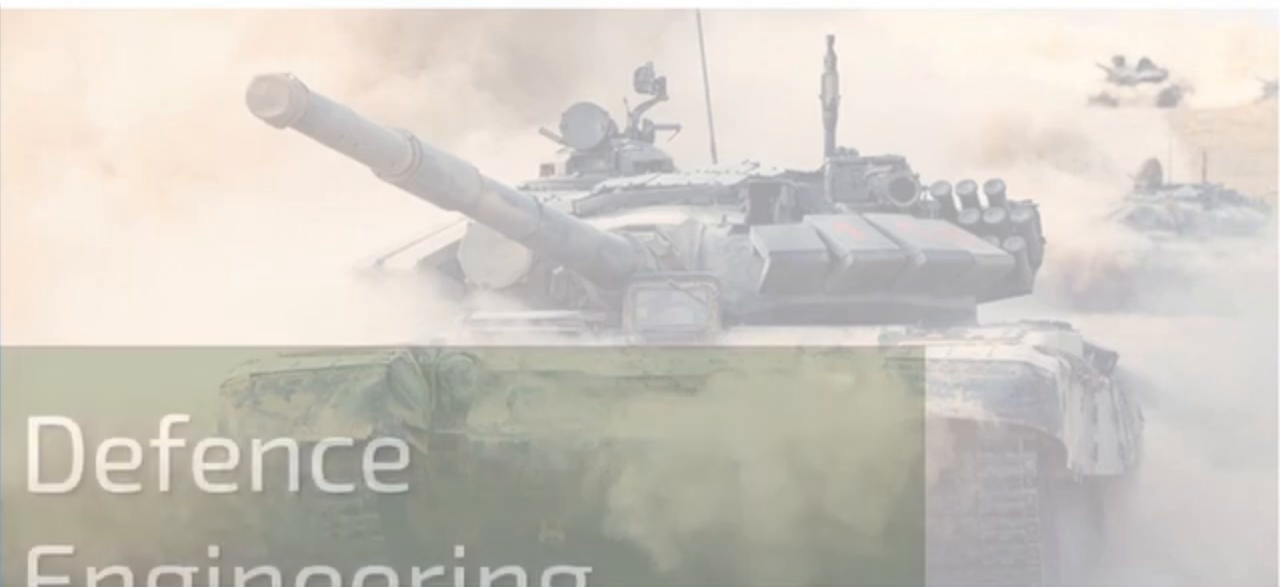
DSIR
Recognized
R&D
Company





Optics & Optronic Systems

Optronic Systems,
Optical Assemblies
Optical Components



Defence Engineering

Defence Electronics,
EMP Protection Solutions
Heavy Engineering

Submarine Optronic Periscope

Only Indian Private
Company in the whole
Asia-Pacific Region to
build a Turnkey Optronic
Periscope for Submarine
Application

Optics & Optronic Systems

Optronic Systems,
Optical Assemblies
Optical Components

Submarine Optronic Periscope

Only Indian Private
Company in the whole
Asia-Pacific Region to
build a Turnkey Optronic
Periscope for Submarine
Application



Image only for application reference

- *Currently building 6 Nos. Incl. Optical & Optronic Variants*
- *Projected requirement of 15+ for the next 3 years*
- *Refurbishment of 10+ Nos for old platforms for the next 2 Years*
- *Huge business potential for New Platforms, Refurbished Systems, Repairs and possibilities of Exports*



Hyper Spectral Imaging System

Only Indian Private Company to develop and deliver Hyper Spectral Imaging Opto-Mechanical System & Working on full Camera for Defence & Space

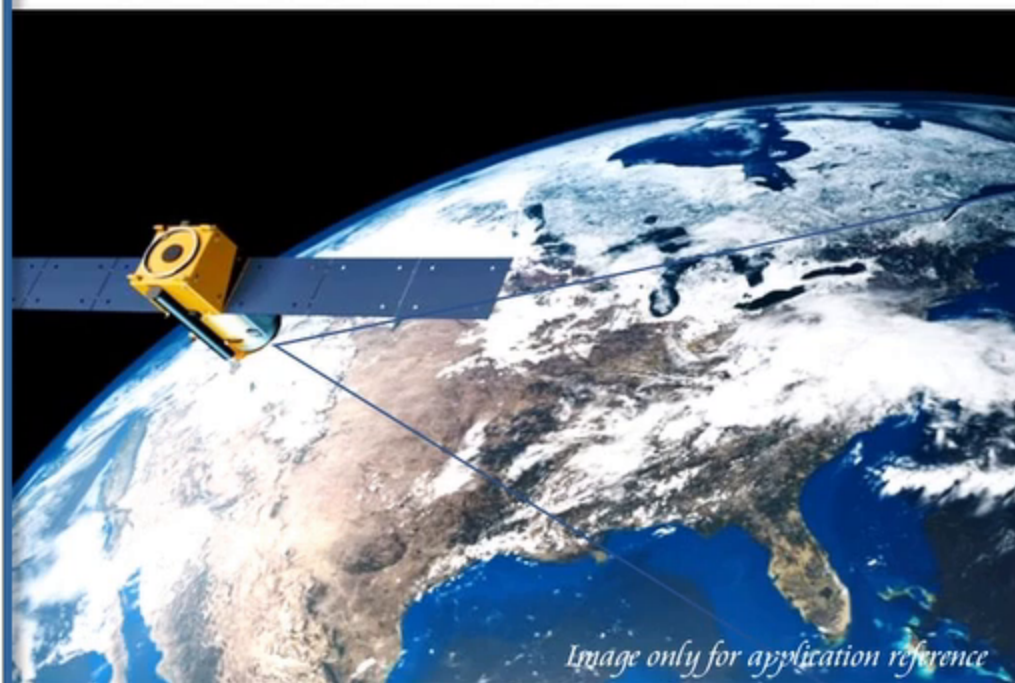


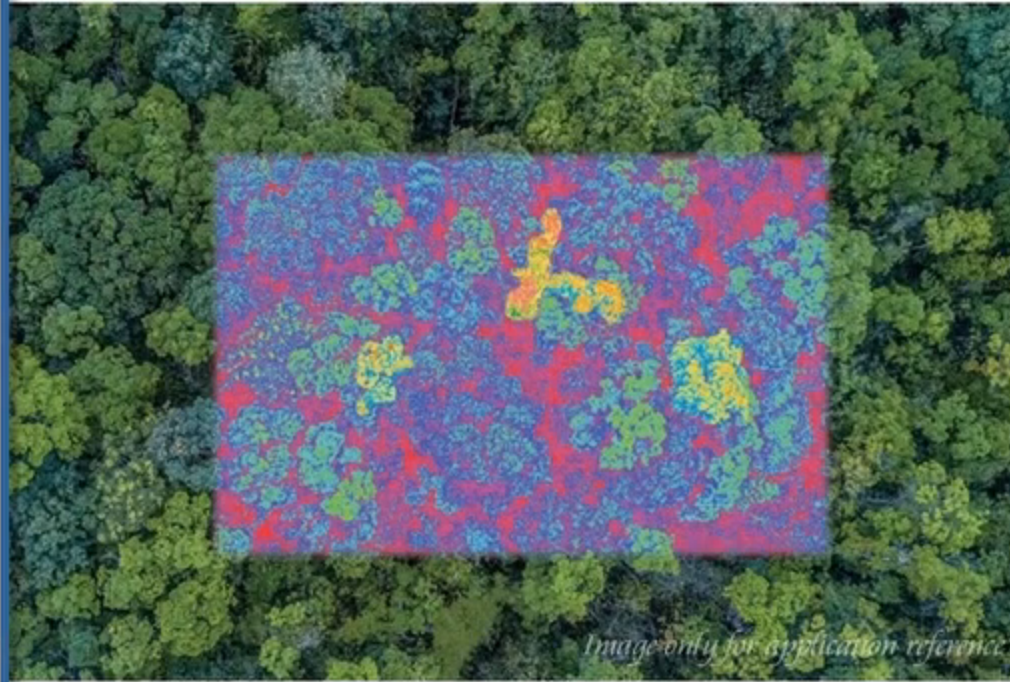
Image only for application reference

- *Only Pvt. Indian Company to develop and deliver a Hyperspectral Camera for Space (Mission to be flown before Sept' 24)*
- *Collaborating with 2+ Non-ISRO Missions for their Hyperspectral Payload Development*
- *Suitable for Space Applications*



Hyper Spectral Imaging System

Only Indian Private Company with capabilities to Develop Hyperspectral Imaging System for Non-Space Applications



Hyper Spectral Imaging System

Only Indian Private Company with capabilities to Develop Hyperspectral Imaging System for Non-Space Applications

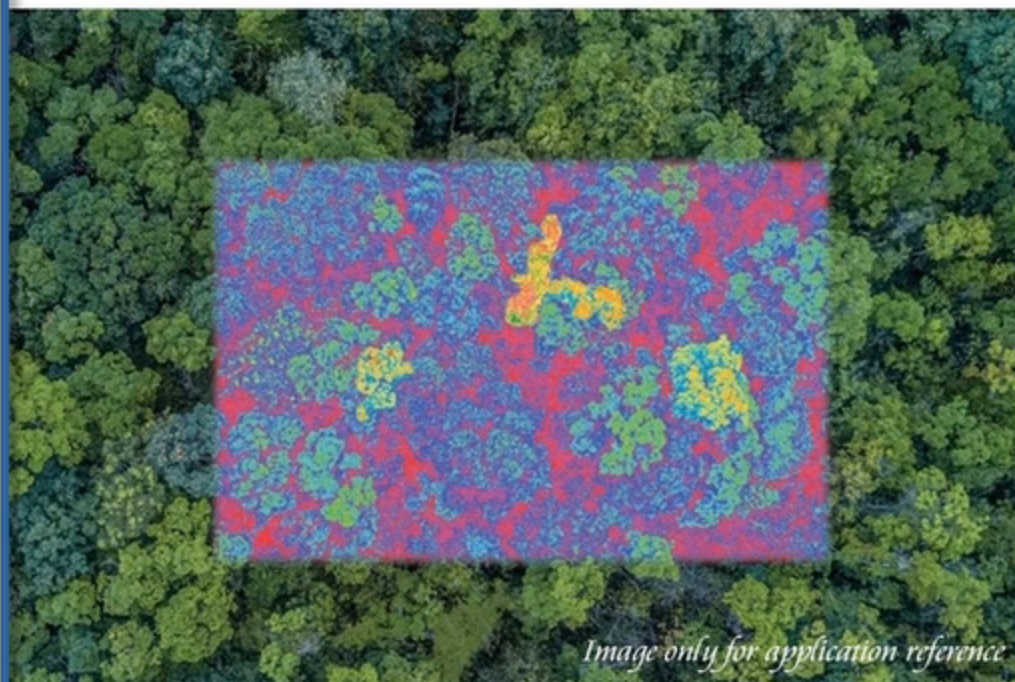
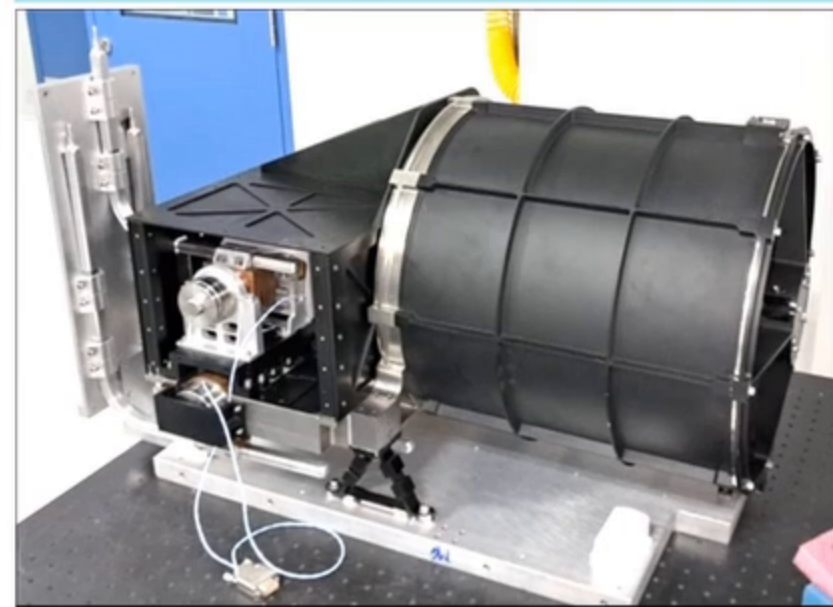
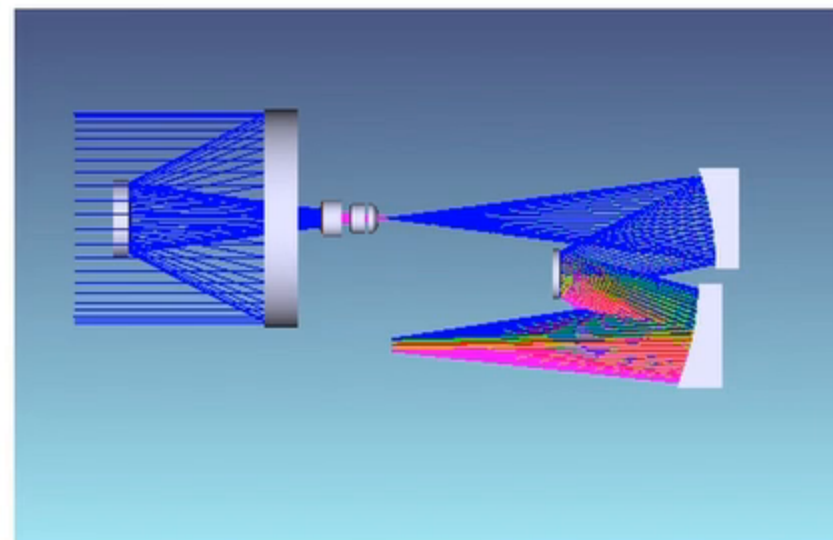


Image only for application reference

- *Completely in-house designed and developed*
- *Hyperspectral Imaging is the future in imaging systems*
- *Potential requirements would be in excess of 10000+ units, for India alone*
- *Ground Applications such as Defence, Medical, Agricultural, Botanical, Food Safety etc.*



Red Dot Reflex Sight

India's most advanced point-and-shoot device



Image only for application reference

- *Completely in-house designed and developed*
- *Advanced features like light weight Optics and Automated Zeroing*
- *Huge export requirement especially to the US*
- *Applications such as Defence, Security, Commercial etc.*



Associate Company: Controp Paras Technologies Pvt. Ltd.

EO/IR Products by Controp

Will be
manufactured
under Make India
with very high
indigenous content



iSea-25HD



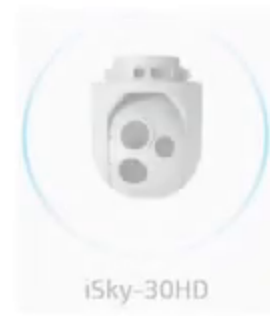
iSea-30HD



iSea-50HD



iSky-50HD



iSky-30HD



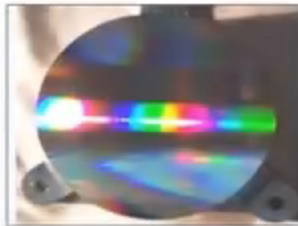
SIGHT-10E

Optics & Optronic Systems: Products & Solutions

India's No. 1 Company for Defence & Space Optics

IR LENSES

These are optical components for thermal imaging cameras or night vision devices



DIFFRACTIVE GRATING

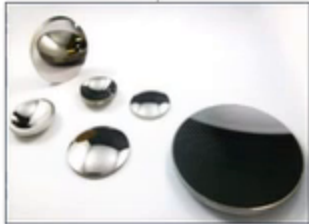
This is an essential optical element in hyper-spectral imagers used in space.

Optics & Optronics Systems: Products & Solutions

India's No. 1 Company for Defence & Space Optics

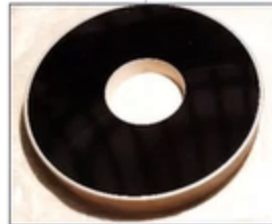
IR LENSES

These are optical components for thermal imaging cameras or night vision devices



LARGE SIZE SPACE MIRRORS

These are large size mirrors used in space telescopes used for various applications



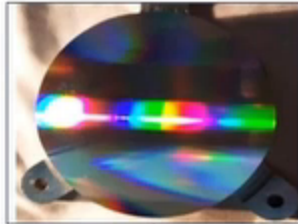
METAL MIRRORS

They are made from Al metals. They offer high reflective surface for long range imaging



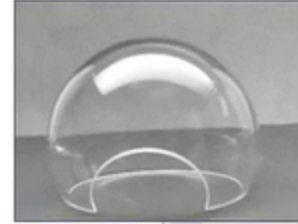
DIFFRACTIVE GRATING

This is an essential optical element in hyper-spectral imagers used in space.



OPTICAL DOMES

These are optical elements used for missiles, which help the missiles to sight its targets efficiently



OPTO MECH. ASSEMBLIES

These are assemblies where precision optics are assembled with precision mechanicals



Optics & Optronic
Systems

Optronic Systems,
Optical Assemblies
Optical Components

Defence
Engineering

Defence Electronics,
EMP Protection Solutions
Heavy Engineering



Saras MK-II



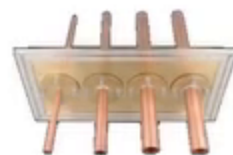
Executing Contract for Complete Glass Cockpit/Avionic Suite and Auto Pilot of Saras MK-II Program

- *Partnered with the best in Business*
- *Huge requirement of 3 + 15 + 115 Nos in the next 5 to 7 Years*
- *Aim to increase indigenous content to suit Make In India*
- *Long Term business potential extending beyond Saras MK-II platform*



Representative image of Avionic Suite/Glass Cockpit

Image only for application reference



Electro-Magnetic Pulse Protection Solutions

Only Indian Company offering Turnkey Electro-Magnetic Pulse Protection Solutions

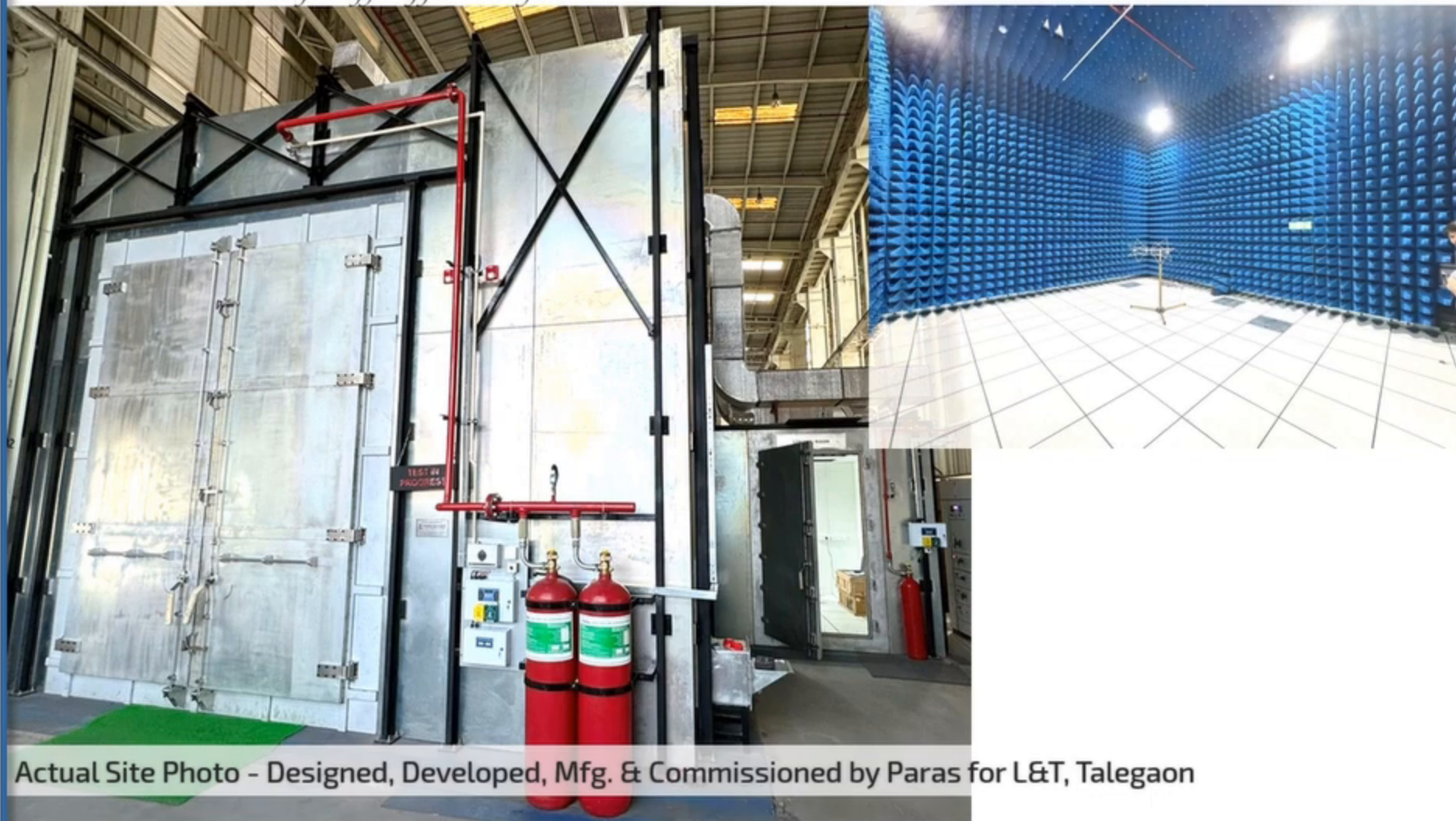
- *Completely in-house designed and developed*
- *Only Indian Company, opening huge business potential*
- *EMP is the Future Warfare and hence the protection requirements will exponentially increase year-on-year basis.*
- *Applications such as Defence, Security, Banking, IT, Communications etc.*

Defence Engineering: Products & Solutions

Image only for application reference

Shielded Chambers (Anechoic/ Semi-Anechoic)

Offering Turnkey
World-Class Quality
and World-Class
Performance Shielded
Chambers



Actual Site Photo - Designed, Developed, Mfg. & Commissioned by Paras for L&T, Talegaon

Defence Engineering: Products & Solutions

Image only for application reference

Shielded Chambers (Anechoic/ Semi-Anechoic)

Offering Turnkey
World-Class Quality
and World-Class
Performance Shielded
Chambers



Actual Site Photo - Designed, Developed, Mfg. & Commissioned by Paras for L&T, Talegaon

ToT
Received
from DRDO

Remotely Controlled Border Defence System

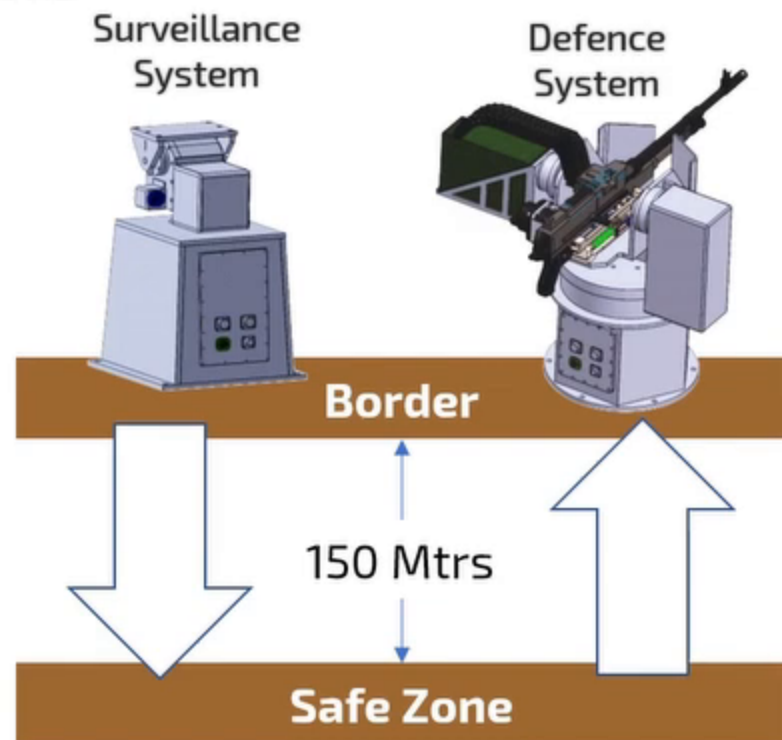
High Precision
Surveillance and
Defence System for
Borders and Critical
Installations

Defence Engineering: Products & Solutions



Image only for application reference

- *Only Company to have successfully developed a complete functional system.*
- *Projected requirement of 4000+ for the next 5 to 10 years*
- *Export business potential*
- *Suitable for Borders, Strategic Locations & Critical Installations*



Command & Control
System



Commanding
Officer

Defence Engineering: Products & Solutions (Electronics)

CONTROL SYSTEMS

Mil-Grade Control Systems with Embedded Computing Algorithms



RUGGED COMPUTING SYSTEM

High Performance Embedded Computing Servers for Harsh Environments



COMMAND & CONTROL CONSOLES

Turnkey Command & Control Consoles with Design to Installation at Site



Defence Engineering: Products & Solutions (Electronics)

CONTROL SYSTEMS

Mil-Grade Control Systems with Embedded Computing Algorithms



RUGGED COMPUTING SYSTEM

High Performance Embedded Computing Servers for Harsh Environments



RUGGED COTS SYSTEMS

Ruggedised Commercial Systems to meet harsh environmental standards



COMMAND & CONTROL CONSOLES

Turnkey Command & Control Consoles with Design to Installation at Site



RUGGED DISPLAYS

Mil Grade Displays qualified for MIL - 810, 167, 901, 461 & EMP Standards



PROXIMITY SENSORS

These are non-contact electro-mechanical device which gives precise proximity sensing



Defence Engineering: Products & Solutions (Mechanical)

FLOWFORMED TUBES

Seamless Cold Formed Tubes capable of withstanding high pressure suitable for Rocket/Missile



TITANIUM & SPECIAL METAL MFG.

High Precision Manufacturing of Titanium, AL-Bronze, Alloy Steel Etc.



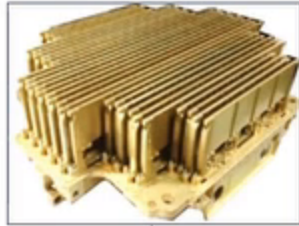
RACKS & CABINETS

Custom Designed Racks & Cabinets for Defence Applications with EMP Protection



COLD PLATES

AL-AL Vacuum Brazed Cold Plates for Active Array Radar Cooling Requirements



LARGE DYNAMIC PLATFORMS

Heavy Structures with Automation & High Movement & Positional Accuracies



FLOWFORMING MACHINES

These are indigenously designed and manufactured flow-forming machines



Defence Engineering: Products & Solutions (EMP)

EMP PROTECTED AREAS

EMP Protected Workcenters, Data Centers, Control Rooms, Command Centers etc.



EMP FILTERS

EMP Filters for Power & Data complying to MIL-188-125 & MIL-Std-220C



EMP RACKS & CABINETS

Compact Cabinets with High Performance EMP Protections with SE of over 100db



SHIELDED DOORS

These are doors which provide Electro-Magnetic Shielding of 100+db



Defence Engineering: Products & Solutions (EMP)

EMP PROTECTED AREAS

EMP Protected Workcenters, Data Centers, Control Rooms, Command Centers etc.



EMP FILTERS

EMP Filters for Power & Data complying to MIL-188-125 & MIL-Std-220C



AIRVENTS & WAVEGUIDES

Waveguides, Airvents, Windows & Penetration Panels to provide Total Protection



EMP RACKS & CABINETS

Compact Cabinets with High Performance EMP Protections with SE of over 100db



SHIELDED DOORS

These are doors which provide Electro-Magnetic Shielding of 100+db



ONSITE INSTALLATION

Comprehensive onsite installation by All Indian Team for strategic locations



Wide Customer Base – Govt. Customers



Indian Ordnance Factories



Defence R&D Organisation



Bharat Electronics



ISRO



Goa Shipyard Limited



Mazagon Dock Limited



Hindustan Shipyard Limited



Garden Reach Shipbuilders & Engineers Ltd.



Cochin Shipyard Limited



BrahMos Aerospace Pvt. Ltd.



Bharat Dynamics Ltd.



Department of Atomic Energy



Electronics Corporation of India Ltd.



Society for Applied Microwave Electronics Engineering & Research



National Aerospace Laboratory



National Physical Laboratory of India



Indian Institute of Astrophysics



Hindustan Aeronautics Ltd.

Wide Customer Base – International



Rafael Advanced Defense
Systems Ltd.



Israel Aerospace Industries



Elbit Systems



Controp



Singapore Electronics



Tae Young Optics Co. Ltd.



Chaban Group

Our Subsidiaries

Paras Anti-Drone Technologies Pvt. Ltd

Company engaged in world class RF & Microwave Solutions with Products such as Jammers, SDRs, Detection Systems etc.



Our Subsidiaries

Paras Anti-Drone Technologies Pvt. Ltd

Company engaged in world class RF & Microwave Solutions with Products such as Jammers, SDRs, Detection Systems etc.

Paras Green UAV Pvt. Ltd.

Company aiming to be leaders in Drones for Next Generation Drones along with associated services.

MechTech Thermal Pvt. Ltd.

Company engaged in providing thermal solutions for Space and Defence Applications



Quantico Technologies Pvt. Ltd.

Company engaged in developing technologies and systems in the area of Quantum Communication

Paras Aerospace Pvt. Ltd

Company engaged in providing Drones & Drone Solutions for Military, Industrial & Agricultural Applications

Opel Technologies Pvt. Ltd.

Company engaged in providing Supply Chain solutions to Paras and Its customers.

Ayyati Innovative Pvt. Ltd.

Mechanical Systems for Railways & Non-Defence Applications



Certified Agri-Drone by Paras Aerospace



Revolutionary Products by our Subsidiaries

that may change the landscape of our Future



www.parasdefence.com | business@parasdefence.com

Paras AgriCopter

Features:

- a. Perfect Atomisation with 4-Nozzle Design
- b. Dual Antenna for High Accuracy Directional Information & Anti-Interference Capability
- c. Intelligent Autonomous Flight
- d. DGCA Certified Agri-Drone



Drone Detection & Jammer Systems



Image only for application reference



- Promising demand from our Partner – CerbAir, France for their global requirements
- Started demonstrations to Armed Forces generating exceptional feedback and requirements
- 100% Designed, Developed & Manufactured in India with indigenous content more than 60%



Next Generation Transportable & Low Cost Anti-Drone System



- Next Generation Drone Detection System designed to handle Swarm of Drones
- Transportable and Scalable Multimodal Sensor Solution
- Low Cost Comprehensive Situational Awareness System
- 100% Designed, Developed & Manufactured in India with indigenous content more than 60%



Development Areas of Paras Anti-Drone



RF & MW Development

Antenna Design

Software Defined Radi



Aim of Paras Anti-Drone



Paras Anti-Drone aims at becoming the
No. 1 Anti-Drone Company in India by FY26-27



Opportunities for Paras With High Probability

Opportunity Areas

**SPACE
PROGRAMS**



**QUANTUM
TECHNOLOGIES**



Space Programs

Space Programs

Complete Optical Missions for Space

High Resolution Hyperspectral Camera
for ISRO, Pvt. Companies & Export

Sub-Meter Resolution Optical Camera

Optical Payloads for Oceanography

Optical Payloads for Resource
Management



Space Programs

Optical Payloads for Study of Green House Gases

Multi-Spectral Camera for Middle Earth Orbits (MEO)

IR Camera for various space applications



Space Programs

Optical Payloads for Study of Green House Gases

Multi-Spectral Camera for Middle Earth Orbits (MEO)

LIDAR Cameras for various space applications

Opto-Mech Assy. for Space Telescope Missions

Optical Payloads for Microsats



Optical Payloads for Space Defence

Ground to Space Telescopes for Space Debris Monitoring

Space to Space Surveillance Missions

Free Space Optical Communication from Gnd to Space and Space to Space

Optical Payloads for Interplanetary Missions



Quantum Communication Technologies

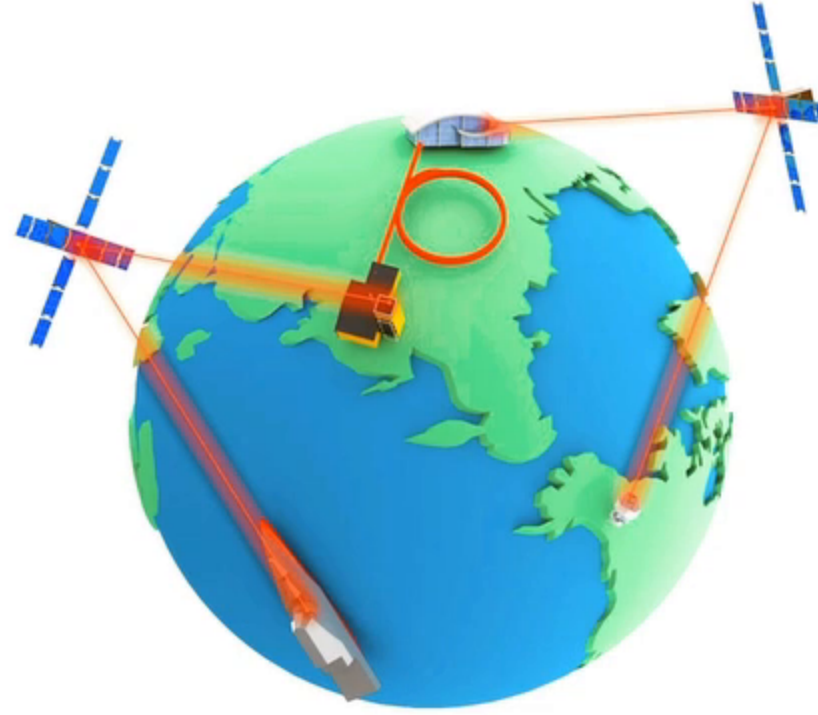
With its technology expertise of Optics and Electronics, Paras looks at exploring Quantum Technologies such as Quantum Communication

Quantum Technologies

Quantum Technologies

Representative Image Only

Quantum Communication Technologies



With its technology expertise of Optics and Electronics, Paras looks at exploring Quantum Technologies such as Quantum Communication

- *Quantum Communication will have a huge business potential requiring secured and fast communication between two nodes.*
- *Huge Potential with Huge Value add by Paras promises to be a potential big leap for the company.*

Image only for application reference

EO/IR Systems

Paras is collaborating with its Customers to develop an advanced EO/IR Systems for Airborne Applications

- *IRST – Infra-Red Search & Tracking System*
- *Optical Camera Systems for Combat Aircrafts*
- *Compact & Lightweight Cameras for High Altitude Drones*



Airborne EO/IR Systems (For Drone/UAV Applications)

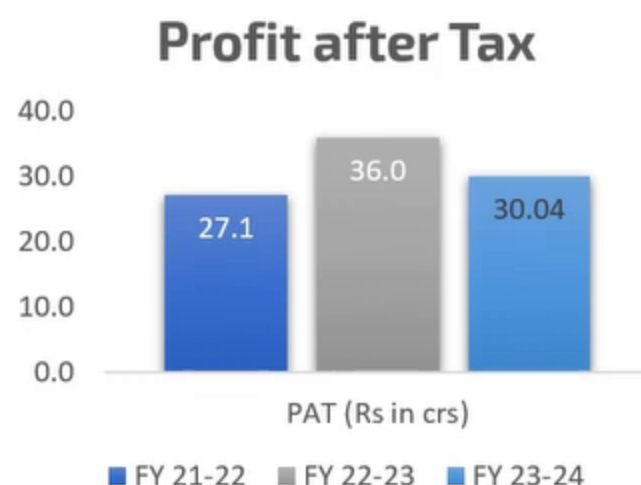
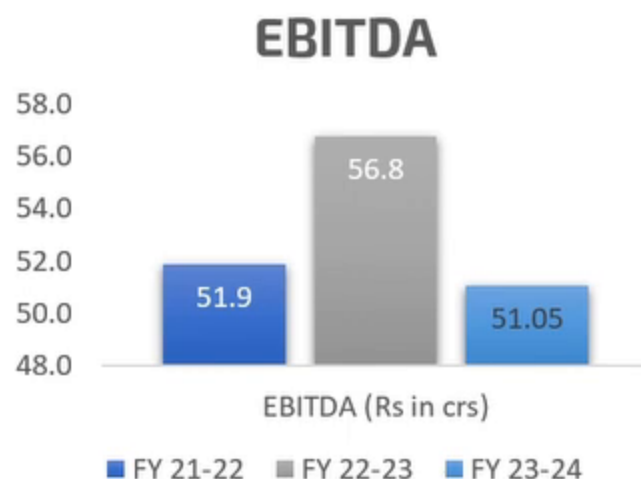
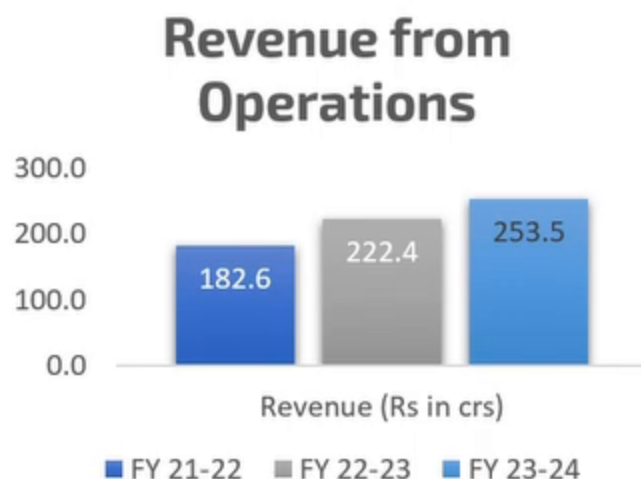


**Multi-Spectral
Cameras**

**EO/IR
Cameras**



Consolidated Yearly Financial Performance



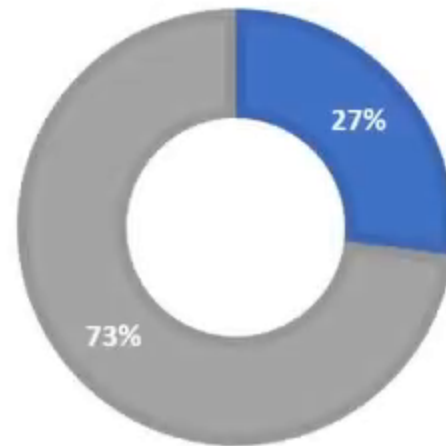
Guidance for FY25 & FY26:

We aim to grow our revenues by 20-30% and maintain or slightly better our profitability as compared to previous years.

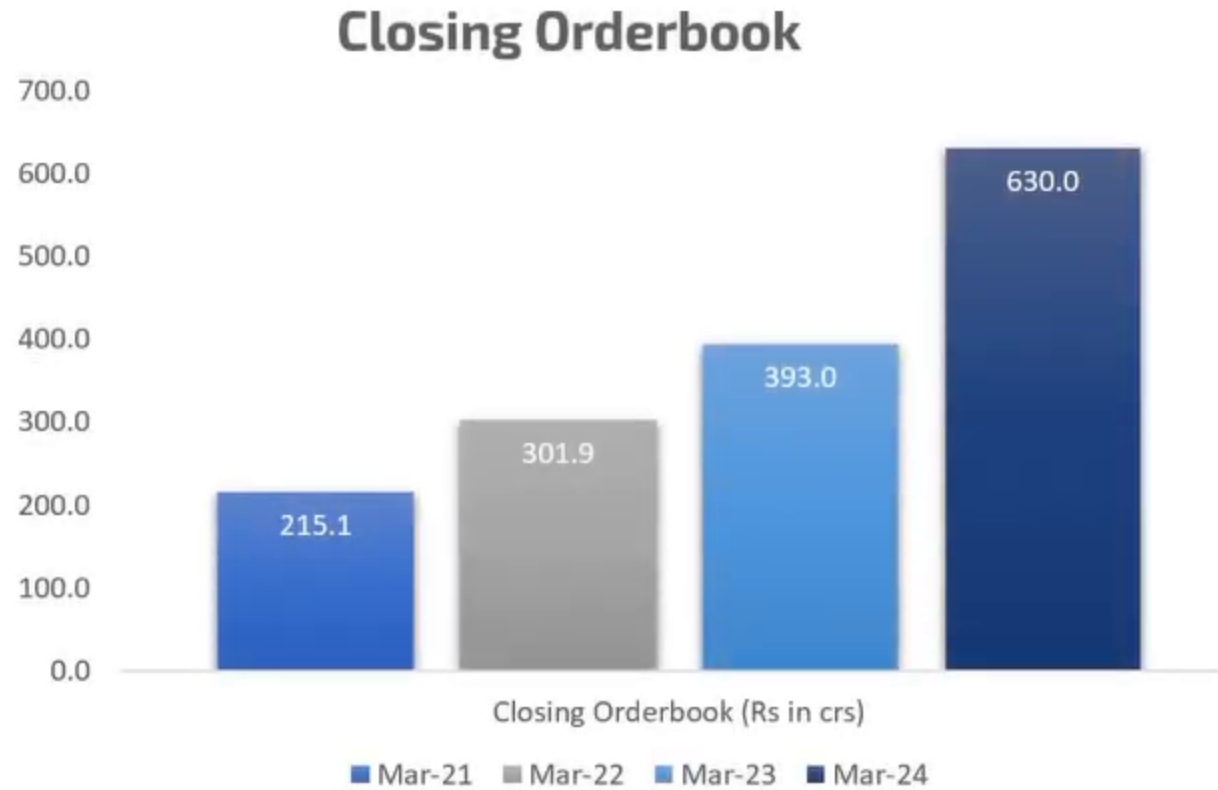
Segment & Customer Bifurcation

SEGMENT WISE REVENUE %

■ Optics and Optronic Systems ■ Defence Engineering



Consolidated Order Book Analysis



Social Vision

Vision



Business Vision

A circular logo with the word "Visión" in a stylized font, surrounded by orange and yellow brushstrokes.

Visión

BECOME GLOBAL LEADERS IN OPTICS & OPTO-MECHANICAL SYSTEMS IN THE NEXT 3 YEARS

BECOME GLOBALLY SIGNIFICANT EMP PROTECTION SOLUTIONS PROVIDER

BECOME ONE OF THE TOP 5 DRONE COMPANIES OF INDIA

BECOME NO. 1 ANTI-DRONE COMPANY OF INDIA