

Group Today

EMPOWERING INNOVATION SINCE 1989



Sahajanand Laser Technology Ltd. – SLTL Group, offers a comprehensive range of Acoustic, Photonics and Stealth solutions to the Aerospace and Defence Industries. The Intellectual Interface of our systems is driven by Industry 4.0 and IoT for Smart manufacturing, customize end-to-end design, assembly and testing of defence and aerospace-related solutions. These solutions are equipped with Hi-tech solutions that the defence sector always encourages. The DSIR-Approved, in-house R&D facility helps us find the best hardware & software combinations and run ahead of time with futuristic solutions meeting the strict parameters of Defence & Space.



The **Best Brand Award** by Economic Times



The **FGI Award** For Outstanding Business Leader



The **Prime Minister Narendra Modi** Operating SLTL Machine



The **National Awards**, In-house Research & Development



The **National Awards**, Indigenization



The **National Awards (NRDC)**, Laser Invention



The **National Awards**, Excellence in Electronics



The **National Awards**, In-house Research & Development



The **Dr. Vikram Sarabhai**, Young Scientist Award





Comprehensive Solution

We customize end-to-end design, assembly, and testing of the defence and aerospace-related solutions.



Intelligent Manufacturing

The Intellectual Interface of our systems is driven by Industry 4.0 and IoT for Smart manufacturing.



A World of Precision

Smart solutions integrated with futuristic technologies are Groundwork for our system.

Our Capabilities

The SLTL Group is a technology-driven company dedicated to providing indigenous solutions for the Aerospace & Defence, Telecommunication, Automotive and other industries around the globe. We believe in continuous innovation and challenging our capabilities to deliver high-tech solutions valuable for all strata of Industry. Prominent customers include DRDO, ISRO, IIT, leading manufacturers in the Telecom industry, and R&D Organizations.



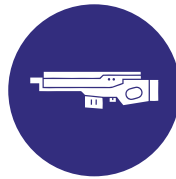
Material Processing



Naval



UAVs



Directed Energy Weapon



Aerospace



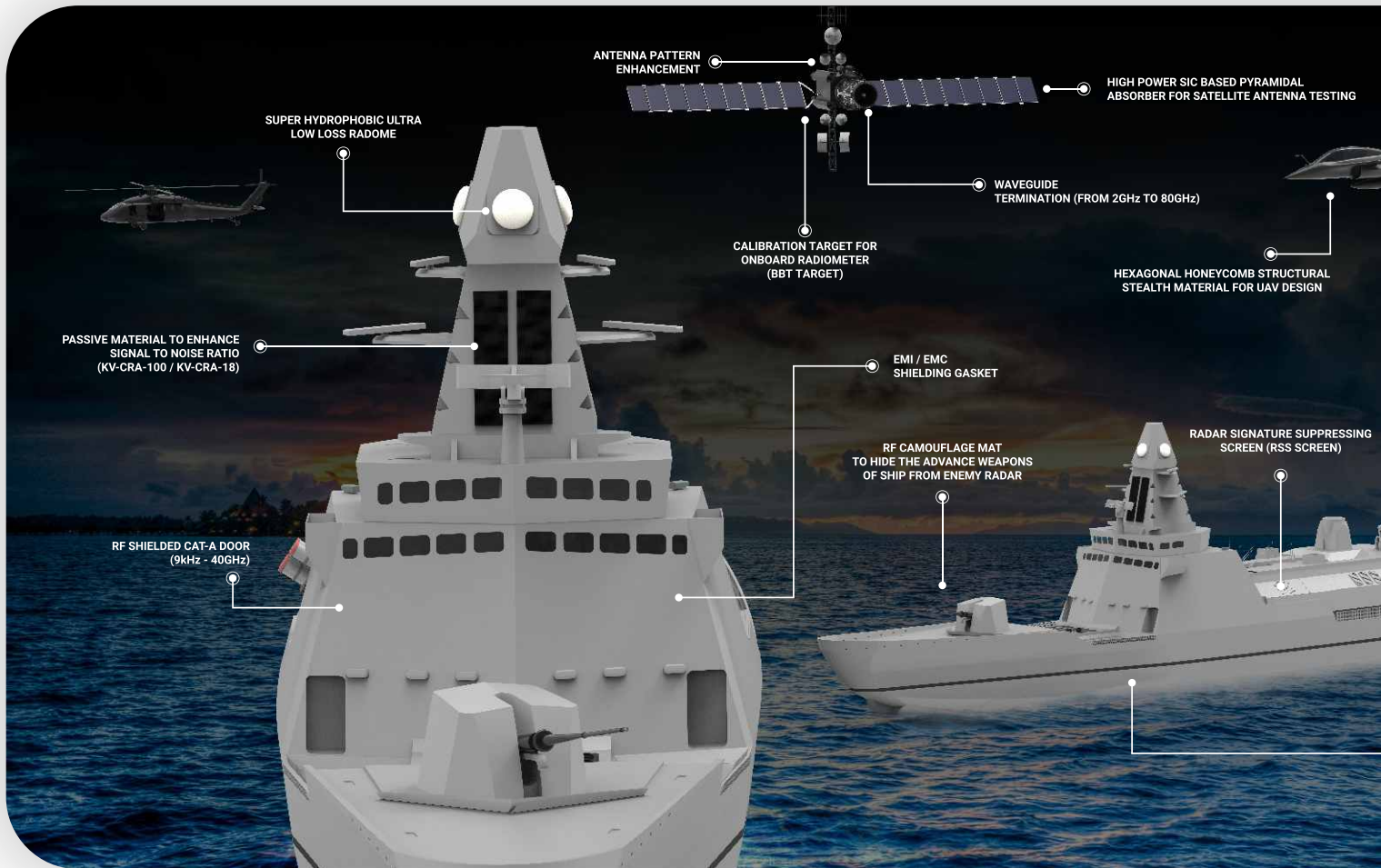
Defence

Global Clientele

We take pride in being one of the MSME companies following Aatma Nirbhar Bharat since 1989 that provide indigenous solutions to Defence & Security, Aerospace, Scientific & Research Institutes, Armed Forces, and Other Government Entities across the globe. We have also developed various mechanisms for industries where we have even exported ingenious technology for protection and attack.



Our Solutions



For years, we have successfully introduced ground-breaking Make in India



SLTL Radar Absorbent Material
Installed on INS Chennai



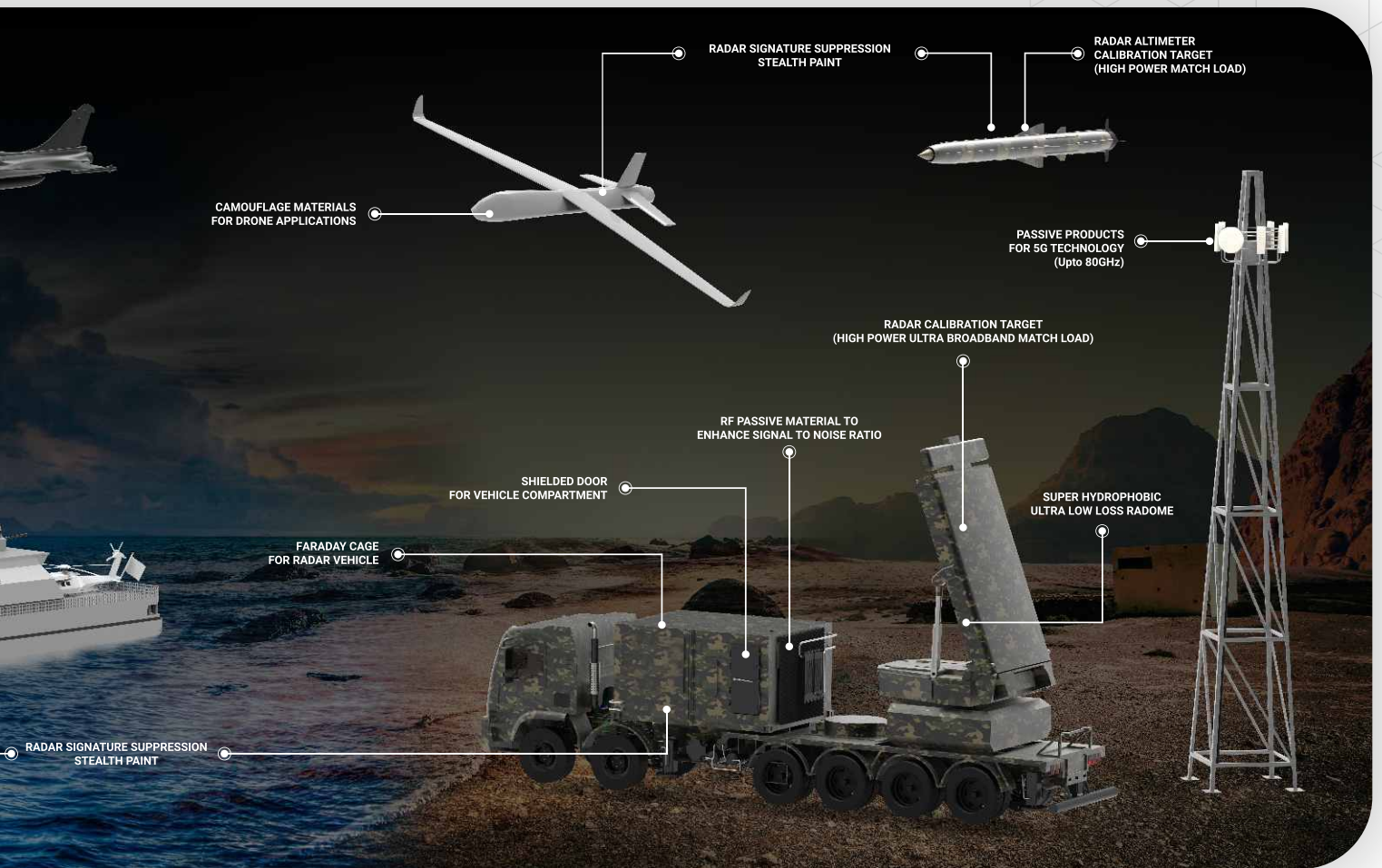
ISRO's Corner Reflector Radome
Installed at Antarctica



SLTL different absorbers to Elbit Systems
& Rafael Dynamic Defence, Israel

ALSO INSTALLED ON INS -

KOLKATA | KOCHI | GANGA | MUMBAI | HIMGIRI | SHIVALIK | DUNAGIRI | TABAR | DELHI | TRISHUL | MYSORE | TALWAR

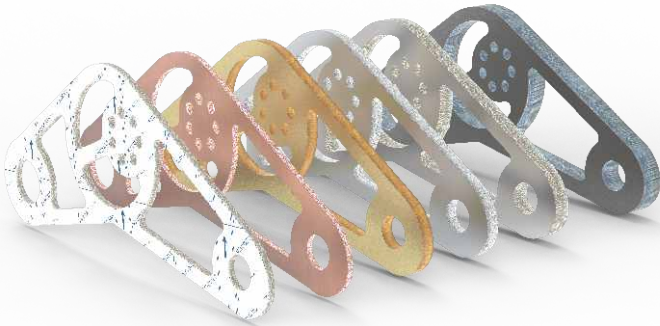


products and advancements in response to the complex needs of the industry



Holistic View

Upfront in terms of building an ecosystem for the aerospace and defence industries by collaborating on unique products and technologies our focus is on advanced R&D operations for core component manufacturing, special purpose systems and testing equipment setup. We are working round-the-clock to provide solutions for Photonics, opto-mechanical components, solutions for defending, security and attack to the industry.



Material Processing

Befitting solution for all materials, including hi-tech solutions and innovation to boost your material's performance.

Applications: Cutting, Marking, Welding, Hardening, Anodizing, Laser Cleaning (Rust, Oil And Paint Removal), Robotic Automation And Surface Treatment

All customized materials to be processed for the defence and aerospace industry like;

- SS | MS | Copper | Aluminium | Brass
- Titanium
- Carbon Fibre
- Armoured Steel and others.

Low Power Energy

Designed for forecasting obstacles and resolving problems in a timely manner

- Illumination
- Sensing
- Detection
- Imaging
- Night Vision
- Dazzler

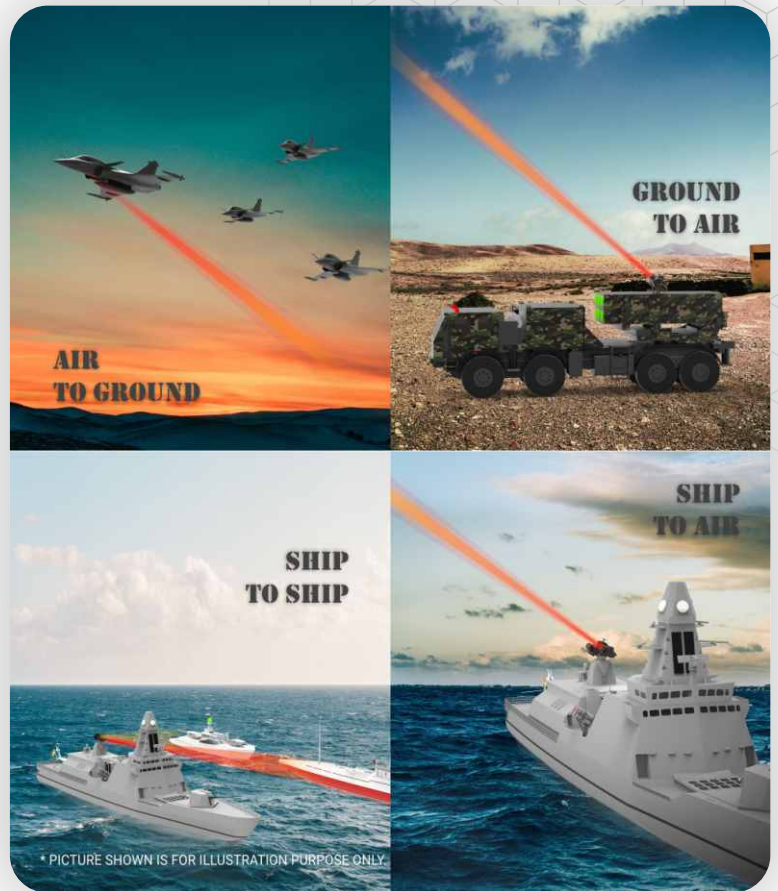


* PICTURE SHOWN IS FOR ILLUSTRATION PURPOSE ONLY

High Power Energy

Engineered to ensure incredible performance even in tough times

- Direct Energy Weapon
- Laser Igniting
- Triggering
- Mine Destruction



One-stop solution for Electromagnetic | RF & Microwave | Photonics

1. RF Transparent Material:

- Super-Hydrophobic Antenna Radome
- Super-Hydrophobic Missile Radome
- Super-Hydrophobic Corner Reflector (CR) Radome
- Super-Hydrophobic Doppler Radar Radome
- Low RCS Loss Pylon (For RCS Measurement)
- EMI / EMC Measurement Platform

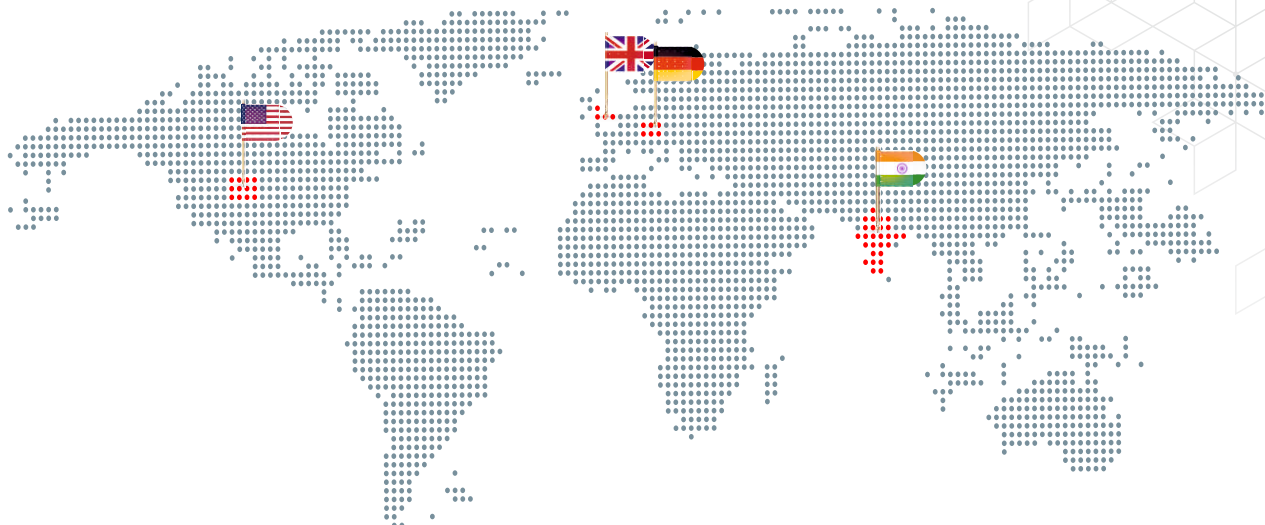
2. RF Shielding Material

- RF Shielded CAT-A Door (9kHz - 40GHz)
- Shielded Anechoic Chamber
- Radar Signature Suppressing Screen (RSS Screen)
- Shielded Enclosure For 5G Equipment Testing
- Faraday Cage For High Microwave Power Equipment Testing
- Shielded Gasket For EMI / EMC Applications
- RF Shielded Paint For Protection of Unwanted Radiation
- Shielded Honeycomb Air-Vents From 9kHz to 40GHz - 100dB Shielding Effectiveness

3. RF Absorbing Material:

- RF Absorbing Material For 5G Communication
- Ship Borne Radar Absorbent Material
- Hexagonal Honeycomb Structural Stealth Material For UAV / Drone Design
- Radar Signature Suppression Stealth Paint
- Radar Altimeter Calibration Target (High Power Match Load) For Missile Application
- Passive Material To Enhance Signal To Noise Ratio Of Radar (KV-CRA-100 / KV-CRA-18)
- RF Camouflage Mat To Hide The Advance Weapons Of Ship From Enemy Radar
- Space Referencing
 - Calibration Target For On Board Radiometer (Black Body Target - BBT)
 - Low Temperature With Stand Capable Satellite Signal Absorbing Material (KV-CRA-18-LT)
 - Surface Current Attenuating Sheet
- Ceramic Based High Power Microwave Absorber To 2GHz to 40GHz (Operating Temperature ~ 1600° C)
- High Power Lightweight Honeycomb Based Absorber For Indoor And Outdoor Applications

Global Presence



**LASER CUTTING
MARKING
WELDING**
DEFENCE & AEROSPACE
MICRO MACHINING

RF & Microwave
Medical Devices
Hi-Tech Software
Diamond Processing
Renewable Energy
Cleaning
Scribing / Dicing
Automations

SLTL's Strength

Experience 33+ Years	6 Mfg. Plants Laying Over 54000 Sq. mtr.	10% Yearly R&D	Exports 40+ Countries
15000+ Systems	ISO 9001-2015	26+ Patents	27+ Awards



SLTL
Group



An ISO 9001:2015 Certified Company

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