



ELCOM GROUP



ELCOM GROUP

Vision and Mission

Vision

To be a globally respected and trusted partner for innovative, technology based systems for diverse Civil and Defence applications

Mission

To develop world class competency in Design, Development, Manufacturing and Deployment of diverse technology based systems for Civilian and Defence applications through People, Partnerships, Innovation and Integrity

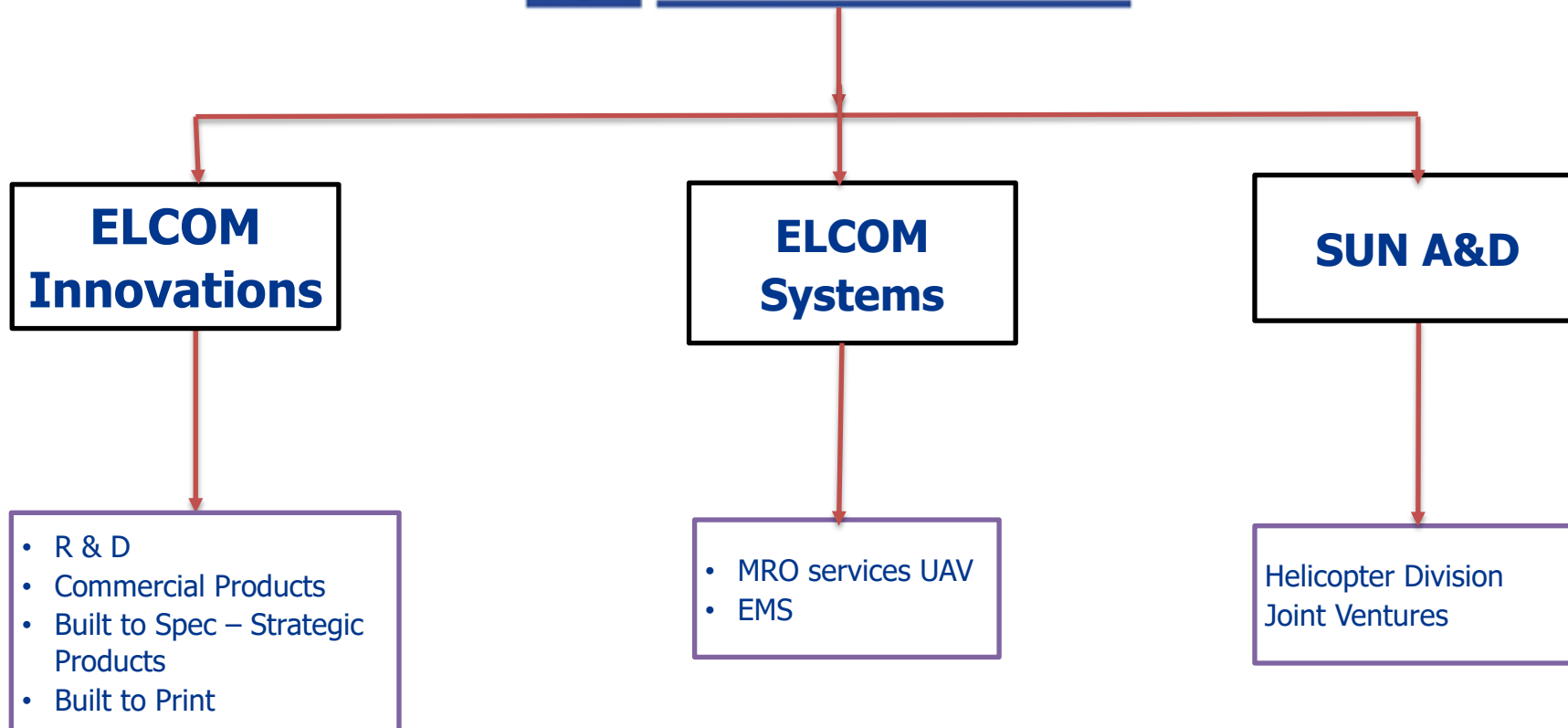
- Military Communications
- Disaster Management Applications including portable GSM solutions
- Strategic Electronics
- MRO solutions with IAI for UAVs
- Homeland Security
- Built to Print solutions in Electronics
- Enterprise Communications
- Call Centre Solutions



ELCOM GROUP



ELCOM GROUP

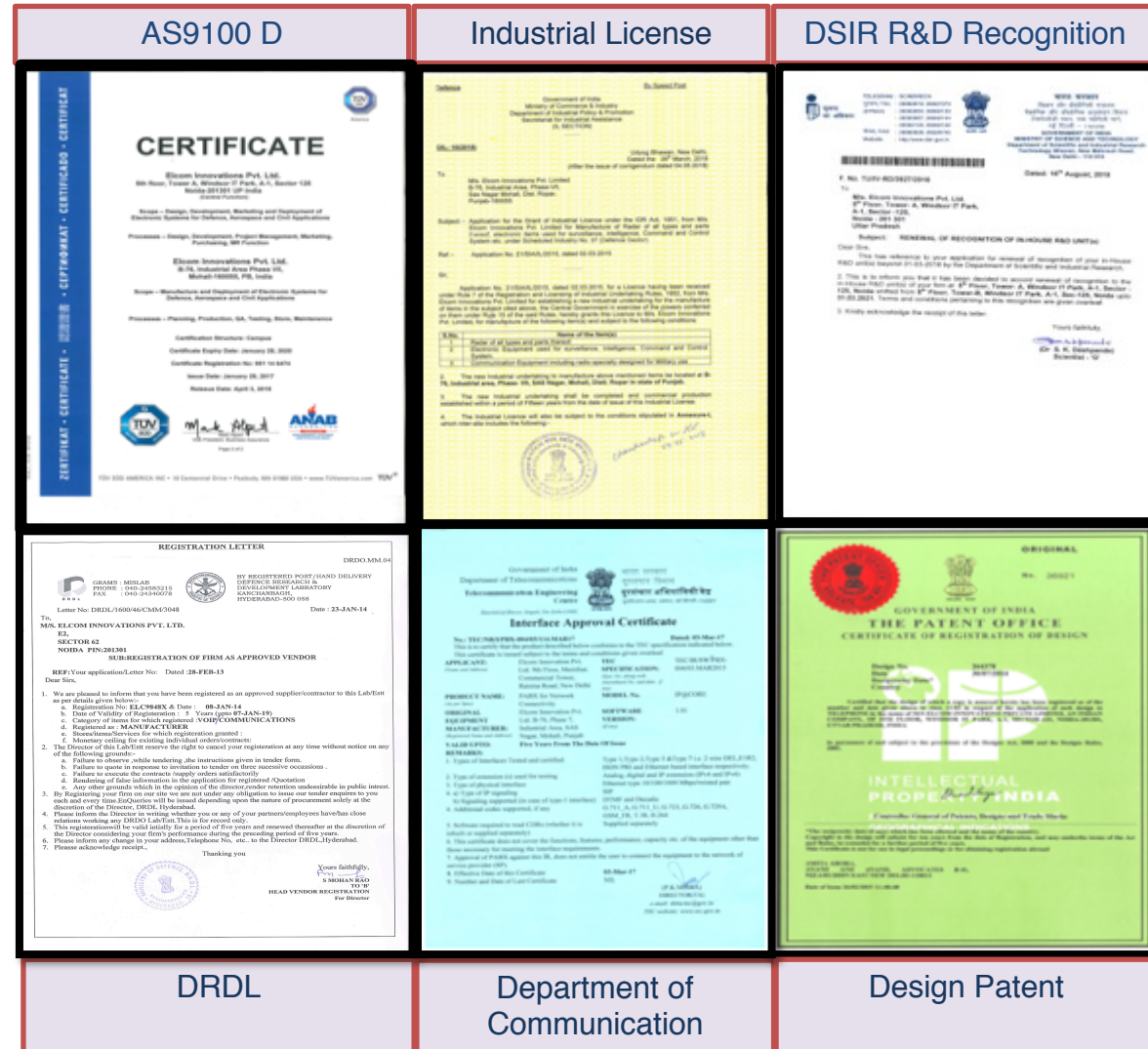


Certification & Recognitions

- AS 9100D & ISO 9001:2008
- Preferred Partner with CISCO
- Alcatel-Lucent Application Partner
- Defense Industrial License: Govt. of India
- R&D Recognition: Ministry of Science and Technology
- TEC Interface approval from Ministry of Communication for IPV6 switching platform.

Patents

- Ruggedized field phone
- Tank Intercom System
- IP Field phone





ELCOM GROUP

Corporate Headquarters

Speedbird House, M Block ,Middle Circle, Connaught Place New Delhi



Electronics **Manufacturing: Mohali**

- 3 Manufacturing Facilities
- 7 Acres
- Build up 300,000 Square feet
- 150 Workforce
- Engineers and Diploma Holders

R&D and Marketing : Noida

- 5000 Square feet
- 60 work stations
- 50 R&D Engineers



Infrastructure : Bangalore

- 10 Acres
- Build Up 100,000 Square feet
- Close Proximity to key Aerospace Hubs

Infrastructure : Bhiwadi

- 15 Acres
- Build up 27,000 Square feet
- Close Proximity to Highway
- Licensed facility





ELCOM GROUP

Select Clients - Domestic



Indian Army



Indian Navy



Indian Air Force



Indian Coast Guard



Border Security Force



CRPF



CISF



National Security Guard



NDRF



Indian Police Forces



Indian Railways



Delhi Prisons



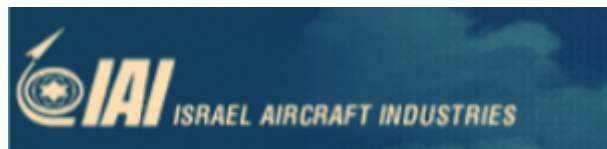
ELCOM GROUP

Select Clients - Overseas



KONGSBERG

Defence & Aerospace, Norway



Royal Thai Army

**Together
ahead. RUAG**

Ecoppia
Empowering Solar

Research & Production Enterprise

АВИАКОМ
aviacom



1. Recognised by Ministry of Science & Technology
2. Patents for Mil grade communication products
3. Focussed on Communication and Electronics
4. Hardware Designing including Circuit and PCB designing
5. Embedded Software design.
6. Technical Documentation as per MIL JSS 251-01 Standards
7. Product Engineering as per customer specs
8. Ruggedization as per MIL standards

Technology Partners with two of the worlds Communication Giants - for application development

1. CISCO Preferred Solution Partners
2. Alcatel-Lucent Enterprise (ALE) Application Partners

Value Chain

Value

User Requirement

Complexity

Architecture
Designing

Circuit Designing

PCB
Designing

PCB Assembly

Software
Engineering

PCB/PCBA Verification

Product
Engineering

Env & Other Tests

Ruggedization

Equipment
Build

Mil Standards

User Trials

Customer
Satisfaction





ELCOM GROUP

Built to Print manufacturing Partners



Elcom is Global manufacturing partners of Ecoppia for their Waterless Solar panels cleaning robots. Ecoppia is a Rnd based company from Israel, which owns the IPR and has partnered with Solar power generation giants such as Engie , EDF, SunEdison and Marubeni and have won large contracts in India and the Middle-East.

<https://www.youtube.com/watch?v=VIH-C29N82o>

Research & Production Enterprise



Elcom is a TOT partners to PRIMA for manufacture of Airborne Radios – PRIMA DMV to go on the RH Ka and Mi platforms. PRIMA is a Russian design house specialized in designing communication suites for Russian make helicopter and fixed wing platforms

This will lead us to be partners with RH in the manufacture of 200 Ka 226T helicopters in India under 'Make in India' scheme. Inter-governmental agreement between Russia and India signed in December 2015.



ELCOM GROUP



ISRAEL AIRCRAFT INDUSTRIES

MRO Partners for UAVs with Israel's Aerospace giant - IAI

- Israel Aerospace Industries Ltd. (IAI), Dynamatic Technologies Ltd (DTL) and Elcom Systems Private Limited have signed their cooperation to jointly address the needs of the Indian UAV market. This is a teaming agreement regarding the production, assembly and support of UAVs in India.
- Elcom is in the process of setting up a complete end to end MRO center in India for service , repair and overhaul of avionics, ground station electronics, engine and structural repairs.
- Elcom will also address the future upgradation of the existing UAV fleet operating within India



ELCOM GROUP

Built to Spec. Success Stories

Snapshot of Projects undertaken

- VoIP Communication equipment for the **MRSAM program under NISL- BEL** / Israeli Aerospace industries (IAI) with certification from DRDO and RCI Hyderabad
- Partner with **Kongsberg**, Norway for manufacture of NATO standard field exchange. Manufacturing TOT from ELCOM to Kongsberg
- Partner with **Ruag International**, Switzerland for supply of Mil Grade communication equipment to Swiss Army
- Program partner for **Submarine indigenization program** – Communication system with DMDE Hyderabad
- Communication system on board **INS Vikramaditya** (Admiral Gorshkov)
- Program partner with Indian MOD for supply of various ruggedized communication equipment
- Technology partners with an Indian OEM for ruggedized exchanges to be supplied to Indian MOD





ELCOM GROUP

Our Manufacturing & Sourcing Capabilities

Sourcing Capabilities

- Established Supply Chain for both Electronics and Mechanical vendors
- Design-in Partners with Intel , Texas Instrument(TI), STF Micro, Macom etc.
- Registered vendors with large distributors of Semiconductors such as WPG, Arrow, Avnet, Excel-Point etc.
- Developed 'supply Chain' partners for machining / sheet metal/Extrusion & Fasteners such as Solidus, SAPA and Empire Fasteners etc.
- Full fledged Purchase and IQC department to handle Vendor base of over 120 supply chain partners



ELCOM GROUP

Manufacturing Capabilities - Electronics



ELCOM GROUP



Complete Pick n Place
facility for Electronics
Components

Fine Pitch Placer Siemens –D1-i



ELCOM GROUP

Automated Test Equipment (ATE)



Walk-In Environmental Chamber



Three Axis Vibration machine



Rain Simulation Chamber



ELCOM GROUP

Manufacturing Capabilities - Mechanical



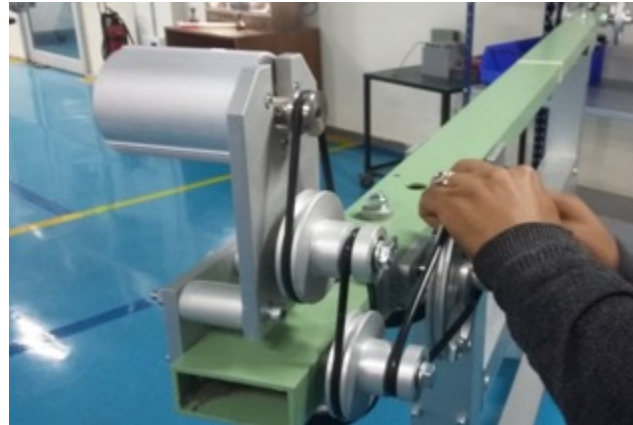
Material Handled

- Aluminium Profiles with powder Coated - AL 6063 T5 Grade
- SS-316 Spacers and Pulleys
- Fasteners – zinc nickel plating
- Rubber Belts - polyester-based thermoplastic polyurethane grade
- Sheet Metals
- Casting and Moulds

WINCH ASSEMBLY



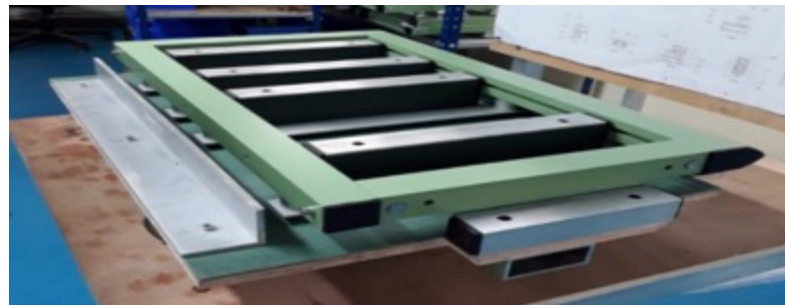
HD ASSEMBLY



RCC Assembly



CU Frame Assembly



Type of Subassemblies handled

Success Stories - Products



Next Generation
Combat Net Radio Gateway



Ruggedized Voice Command
& Communication System



Ruggedized Field Telephone



IP based Voice Logger



Radio Adapter Unit



Remote Controlled Power Unit

Success Stories - Products



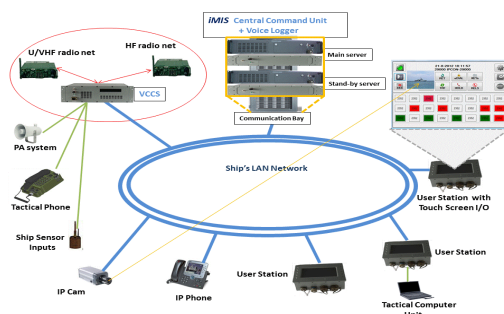
Intelligent Vehicle Intercom System
(i-VIS)



iVIS – Crew Unit



iVIS – Commander Unit



Built in Ship Communication System



IP Tactical Field Exchange



Multiplexer



ELCOM GROUP

Products under Evaluation by Clients



IP@CORE



MMCP - Front

Mini Mobile Communication Pack



VSAT



IPT1001 – VoIP Field Telephone



VFT1001 – VoIP Field Telephone



ELCOM GROUP

Preferred Solution Partner of CISCO

Alcatel Lucent application partner





cost effective -one box Media Gateway Solution & TEC approved IP switching platforms based on IPV6 Compatibility



ELCOM GROUP

Top Aerospace & Defense Team

	Name & Designation	Professional Experience
	Mr. Pradnyil Usgaonkar CEO & Director	3 decades of experience in Operations/Manufacturing/Corporate Management of Communication Industry; Post Graduate in Management and Graduate in Engineering
	Mr Arun Sharma, Director R&D	Electronics & Communications engineer, He is the head of all Technical design initiatives at Elcom. Instrumental in designing communications platforms which have been deployed in critical defense programs
	Mr Rajeev Vats Director Software Engineering	Head of Software design group at Elcom. Instrumental in design and development of all embedded software applications
	Mr. P. Rajeev Vice President Product Development and Projects	Responsible for deciding on the technical roadmap, In-charge of planning of all R & D projects from conceptualization to delivery stage. Authored and monitored all QC processes in R & D and production



ELCOM GROUP

Top Aerospace & Defense Team

	Name & Designation	Professional Experience
	Mr. Jayaraman Shankar Executive Director Operations (Helicopter Division)	Former GM of HAL Helicopter Manufacturing & MRO Division; Alumni of IIM; 3 decades of experience in HAL; Worked in leadership position for more than a decade in Indian auto industry & Indian Engineering Services
	Mr. N Seshadri Director Engineering (Helicopter Division)	Former Director of Helicopter Design (RWRDC) at HAL; Post Graduate from IISC and Grandfield UK; 4 decades of experience in Helicopter Design & responsible for design & development of Rotor Head & gear Box for Indian Helicopter Programs
	Cmde SL Deshmukh Senior Vice President Industrial Co-operation	Former Principal Director Naval Air Material at Naval HQ; 3 decades of experience in Operations, maintenance & project management in Aerospace & Naval Platforms; Masters in Engineering
	Col Rakesh Juneja Senior Vice President Offset Management	Former Director In Defence Production and handling DOFA in GOI; 27 years of experience in Operations & project management with Indian Army, MoD and Industry; PSU Management; Bachelors in Engineering



ELCOM GROUP

Thanks



corporate@elcominnovations.com