CUSTOMIZED DEFENCE PRODUCTS

LOTUS**W**IRELESS

Connect with Innovation
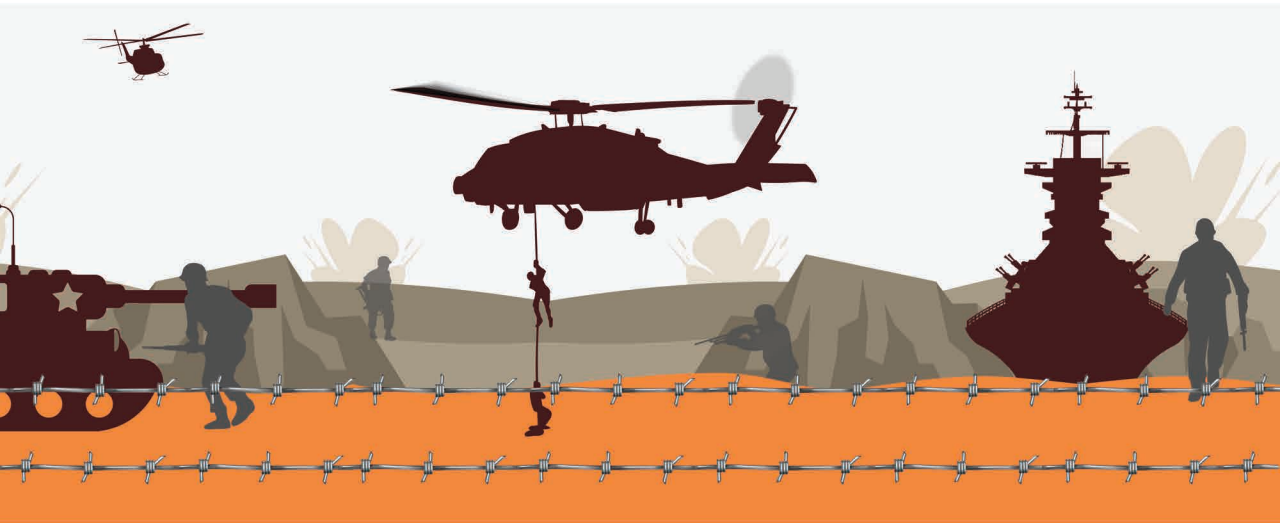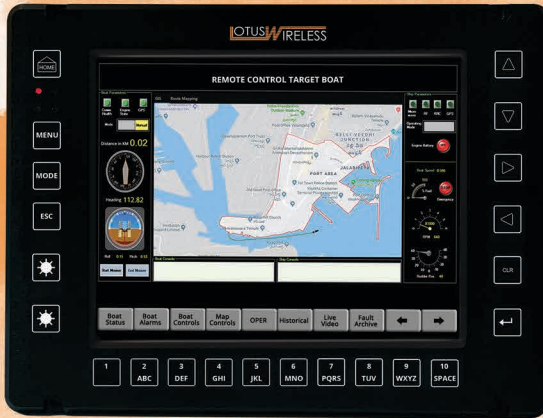
Customized solution provider for Defence Applications

With in House Design, Engineering, Manufacturing and Testing Capabilities

Lotus Wireless Technologies strive to work with customers to meet their demanding requirements

MILITARY GRADE WATER PROOF RUGGED HMI

HMI Engineered to withstand challenging and abusive environments.

- 10.4 /12.1" Wide Aspect Ratio LED Display
- Upto 1920 X 1080 (HD) Native Resolution
- Ultra-Low Latency Controller
- Full MTL-DTL-38999 Connectors
- IP- 67 Design For Dust And Liquid Protection
- Durable Machined-Aluminum Design
- Video and Audio Input / Output

- Viewing Angle 160° (H)/140° (V)
- Sunlight-readable and UV Protective Displays
- Functional keys embedded in the metal body.
- Does not required supplemental Cooling arrangements.
- USB 2.0 Interface
- MIL-STD-3009 Dual Mode Led Backlight

MILITARY GRADE RUGGED CONTROL SYSTEM

Custom designed rugged computer system for ground and mobile applications.

- Low Power High Performance MPU with 1GHz Clock Speed.
- Rugged, IP67 Environmentally Sealed System
- Compliance with MIL-STD-810
- Interfaces: USB 2.0, Ethernet, Serial (RS232/422/485) & CAN.
- Digital Inputs with customizable input voltages.
- Galvanic Isolated Analog Inputs and Outputs
- 12/16/24 bit Analog inputs and Analog Outputs
- Potential free Digital Outputs
- Construction: Heavy Duty Aluminum Chassis

- MIL-STD-901D (High Shock)
- MIL-STD-810F (Environmental)
- MIL-STD-461E (EMI/RFI Emissions)
- MIL-STD-167B (Vibration)
- MIL-STD-740B (Airborne and Structure borne Noise)
- UL 60950 (Electrical Safety)
- FCC Part 15 (Commercial EMI/RFI Emissions)

REMOTE CONTROLLED TARGET BOAT (RCTB)

The Remote Controlled Target Boat (RCTB) is used in naval gunnery training, weapons testing and ship command and control assessments. These boats are autonomous and remotely controlled, and their use eliminates risks to personnel and equipment. Our broad Scope of work was supply of engine , design, engineering and supply of complete electrical and communication control system to Indian Navy working under sea state level III

Key features

↗ The Remote Control Station is located in the ship from where the RCTB is operated. The status information of the RCTB is available via telemetry for the relative position in bearing and range with respect to the control station, course and speed of RCTB, engine RPM and motion and fuel status.

↗ A Remote Terminal Unit is used to control steering, speed, and engine starting and stopping. The boat is controlled by radio link with the operation distance of up to 25km. The radio control is not affected by the radar, radio transmission or ships stationed within its operating range.

↗ RCTB has a GPS and a flux gate compass for navigation. It also has a programmable autopilot for setting up to 100 waypoints and steering the boats:

• Individual precise operation from remote control
• Following prescribed waypoints according to the mission plan
• Bringing back the boat to a preset position in case of loss of command link with remote controller

MOVING HELIPADS
• Helipad movement (Pitch/Roll) is detected by ground beacons and transmitted to aircraft via radio link

• Landing approach can be adapted to vessel movement by OEM flight controller

MOBILE UNIT, RECEIVER

↗ Marine grade IP67,
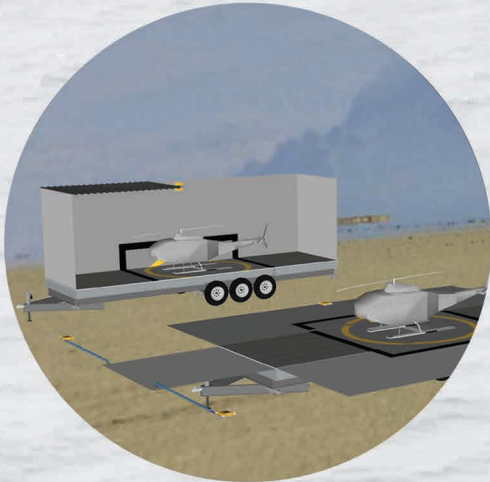↗ Ultra lightweight (130 g),
↗ UV resistant ASA housing

GROUND UNIT

SENSOR SUITE FOR AUTOMATED TAKE-OFF AND LANDING OF DRONE / ROTARY WING AIRCRAFT
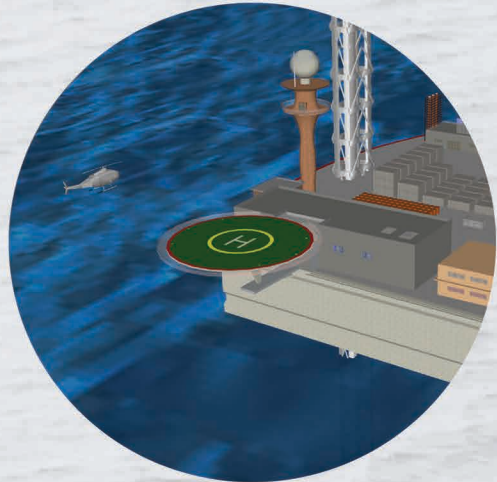
MOBILE TRAILER APPLICATION
• Guided take-off and landing
• Easy deployment

MARITIME APPLICATION
• Take-off and landing in all weather conditions

WE @ LOTUSWIRELESS

Team Lotus Wireless is fuelled by a common purpose to create success in everything we do. As our Business is to provide you the business solution so we pay micro level attention to your details, very patiently we take time to understand your business goals, and we make sure that our partnership achieve the results you're targeting for. With our robust commitment to quality we manufacture flawless products and assure you on time delivery of your products.Trust us we don't consider a program as a win unless our client has felt supported and delighted at every step on the journey walking with us.

As your design, engineering and manufacturing partner we have specialization in both turnkey and consigned strategies, constituting high-mix and low-to-medium volume production. In our past two decades of experience, we've learned to embrace the challenge and complexity that accompany each new program, and have built systems and infrastructure to create optimized solutions for each of our customers. Lotus Wireless very well understands specific industrial and military needs, and our execution methods are led by a team with many years of experience in military and industrial manufacturing.

Quality is a top priority for Lotus Wireless and the proof is in our people, process and attention to the details. To adhere to the our quality goal we have in house electronic manufacturing facility with some of the key machines as follows

Stencil Printer by GKS- GL Star, SMT Pick and Place by Yahama S-10 Reflow oven by Heller, Automated optical inspection by Yamaha YSI-V Climate chamber by CVMS –Climatic. Robotic through hole soldering station, Robotic Conformal coating station , automatic cut, strip and crimping machines for all sizes and crimps

AWARDS

- CII Winner of Industrial Innovation Award 2016
- NEDO Japan winner of Technology Excellence Award 2017
- Govt of AP Technology Award 2018
- Dept of Scientific and Industrial Research Recognised R&D Centre.

INFRASTRUCTURE

TÜV NORD   Acceptance by CMMI Institute   TIA-942 .ORG

ISO 9001:2015, ISO 27001:2013, CMMI LEVEL 3 , TIA – 942B :2017/3 In house Data Center

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B-7, EE IDA "B" Block
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Andhra Pradesh, India.
info@lotuswireless.com

Manufacturing Unit-II
Industrial Park Plot No. 29 to 36,
Aganampudi, Gajuwaka Manadal,
Visakhapatnam-530046,
Andhra Pradesh, India.

Manufacturing Unit-III
Manufacturing Unit-K,
Survey No.480/2, AMTZ Campus,
Pragati Maidan,
Visakhapatnam - 530031,
Andhra Pradesh, India.

IT Development Center
Kamal Tower, Rushikonda,
Visakhapatnam - 530045,
Andhra Pradesh, India.

Hyderabad
Unit #D1, Spaces and More
Business Park, Plot #27,
Shilpi Enclave, Durgam Cheruvu,
Inorbit Mall Road, Madhapur,
Hyderabad- 500081, India.

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Near Noida Metro Station,
Noida-201301,
Uttar Pradesh, India.

Navi Mumbai
Office.No: 308, 3rd Floor,
Building No. A-1, Sector-1,
Millennium Business Park,
Mahape, Navi Mumbai-400701,
India.

Kolkata
Space-X, Tower 1, 15th Floor,
P.S. Srijan Corporate Park,
Plot G-2, Sector-V, Salt Lake,
Kolkata - 700 091, India.

Jamshedpur
Kashi Kunj | Premises #3,
1st Floor Opposite Prerna
Class, Road No.2,
Contractor Area, Bistupur,
Jamshedpur - 831001
India.

Durg
5, New Shopping Complex,
Durg, Chhattisgarh - 490001,
India.