

# DATA PATTERNS

## The Global High Reliability Systems Company

Data Patterns is India's leader in indigenously developed electronic systems in the Defence and Aerospace domain. Data Patterns' key strength is founded on its 35 year history of developing high-reliability products. Data Patterns has developed several complex electronic systems for its customers with the support of its captive design & manufacturing capability.

Data Patterns has a stable management team with a total head count of more than 600, which includes a 400 strong technical team. Data Patterns is the industry leader in Defence & Aerospace because of the spirit and commitment of its work force.

Data Patterns has been certified for Aerospace Systems under AS9100D by TUV-SUD.

Data Patterns has a development center which designs products, a facility for manufacturing PCBs, System Integration, environmental testing, and life cycle support to cater to the industry requirements of high reliability electronic systems.



### Data Patterns (India) Pvt. Ltd,

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## Expertise

Data Patterns possesses complete in-house design capability for developing high-reliability solutions in Defence & Aerospace systems. We have domain expertise in:

Automatic Test Equipment and Test Solutions, Avionics Products, Commercial-Off-the-Shelf (COTS) Boards, Electronic Warfare, Fiber Optics, Fire Control systems, Gimbal and Actuator Control systems, High Speed Processor Solutions with Central Processing Unit (CPU), Digital Signal Processors (DSP) and Field Programmable Gate Array (FPGA) Architectures, Identify Friend or Foe (IFF) Systems, Lasers and Electro Optics Products, Naval Systems, Navigation Systems, Power Supplies, Radar and Radar Subsystems, Radio Frequency and Microwave Products, Cockpit & Rugged Displays, Seekers and Space Products.

Latest techniques in electronics adopting advances in implementation of algorithms in FPGAs and highest capability modern components enables product capabilities superior to current market standards.

## Radars



Precision Approach Radar



Polarimetric Doppler Weather Radar



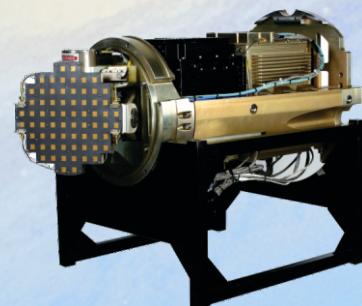
Primary Surveillance Radar



Ashwini Antenna Array Radar



Wind Profile Radar for CUSAT



X-Band Monopulse Seeker



## Electronic Warfare



Radar Warning Receiver



ELINT/ESM System



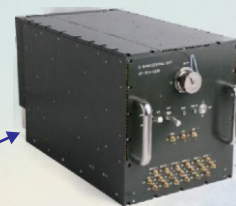
V/UHF Search Receiver

## Launcher Control Systems



Fire Control System - Air, Land & Sea

## Avionics





## Glass Cockpit Displays



Smart Cockpit Display System for LUH



Smart Standby Display System for LCA

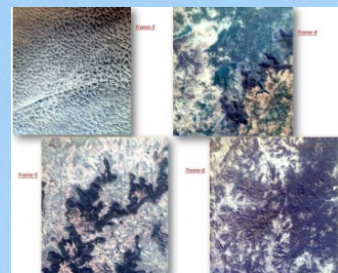
## Satellite



Satellite



Ground Station



Images from INS-1C



## Design & Engineering



Mechanical Design & Engineering



Electronics Design & Engineering



PCB Layout



PCB Automated Manufacturing Line



System Integration Team



Environmental Testing