

Executive Summary

Embdes (Embdes Engineering Solutions), Indian based embedded solution provider offer innovative and Flexible solutions/services in every stage of an electronic product development lifecycle, through competitive in-house capability as well as through strong result-oriented partner programs. Through this mixed service model **Embdes** ensure meeting customer needs and on-time delivery at a lower cost. **Embdes** ensures that their solutions always deliver high level of integration, Quality, extended product life and at the same time Lower overall system cost, and faster time to market.

Do you
have
a Idea?



Inhouse Expertise

Hardware
Designing

PCB Designing

PCB
Proto Type

Board Bring
up

Firmware
Development

Enclosure
design

Rapid
Prototyping

Bulk
Production

Our Services

Embedded Hardware Engineering: Hardware, PCB Design, Proto typing, Board Bring up, Pre compliance testing and certification.

Embedded Software Engineering: Uboot, BSP development, Device driver, expertise in (Linux, Android, RTOS, Bare metal) OS, Cross Compilation, Diagnostics Software, Porting and customization of Linux on Embedded platform, Application Development, Cloud integration

RF: Antenna Simulation, Designing, Fabrication, Characterisation and Testing.

Mechanical Engineering: 3D modelling, Enclosure Design, Thermal Analysis, Rapid prototyping, Plastic Injection Moulding, Sheet metal, Jigs and fixtures

Certification expertise: FCC, CE, UL, AIS140, ISO 26262

Test and Measurement equipment: VNA, Spectrum analyser, RF signal Generator, Logic Analyser, 6.5 DMM, Variable power supply and load.

Technology worked: BT, BLE, Zigbee, WiFi, LoRa, Sub Ghz

Few products executed across domain

Automotive

- Telematics
- Driver Door Module
- VTS **AIS140**
- HVAC Controller
- Gear shifter **ASIL B**

Consumer

- Smart charger
- USB Chargers
- Tablet
- Power Adaptors
- OTT players

Medical

- BLE ECG
- Air Bag
- Patient Monitoring
- Pulse Oximeter
- TENS Unit
- Surgical Torch

Telecom & Networking

- Optical Fibre Monitoring System
- Media Gateway
- Access points
- Home Gateway
- Enterprise Gateway
- Switch with POE
- Network Player

IOT

- Wearable Devices
- Lost and Found
- Cooler IoT
- Home Automation
- Beacons
- Pet Monitoring
- Smart Plug
- Pendant
- IOT Gateway - BLE, Zigbee, LoRa, NB-IoT

Some of our Prestigious Customers

AMETEK

WABCO

HAVELLS

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

TVS

LUMAX

RENESAS