

## 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

### IOT

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

### 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

## Some of our Prestigious Customers

**AMETEK**

**WABCO**

**भारत इलेक्ट्रॉनिक्स**  
**BHARATELECTRONICS**

**TVS**

**HAVELLS**

**LUMAX**

**RENESAS**