

Executive Summary

Embdes (Embdes Engineering Solutions Pvt. Ltd.), Indian based Embedded solution provider offers 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** ensures meeting customer needs and on-time delivery at a Competitive price. **Embdes** assures the solutions that are delivered are always at high level of Integration, Quality, Extended Product Life and at the same time Lower overall System cost, and Faster time-to-market.



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Do you
have
an Idea?



Inhouse Expertise

Hardware
Designing

Firmware
Development

PCB
Designing

PCB
Proto Type

Board Bring
up

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: U-boot, 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.

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.

Technical Staffing: Hardware, Firmware and PCB Engineers.

Few products executed across domains

Automotive

- EV Motor Controller
- BMS
- EV Charger
- Telematic
- Gear Shifter
- VTS AIS140 Compliance
- Dash Board Computer
- Driver Door Module
- HVAC Controller

Consumer

- Smart Charger
- USB Charger
- Tablet
- Power Adaptor
- OTT Player

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
- Beacon
- Pet Monitoring
- Smart Plug
- Pendant
- IOT Gateway - BLE, ZigBee, LoRa, NB-IoT

Some of our Prestigious Customers

