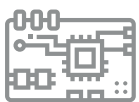


**ENGIBRAINS**<sup>®</sup>  
Technologies

## Embedded Product Engineering Services



Hardware Design



Firmware Development



Quality Engineering



Automation Solution



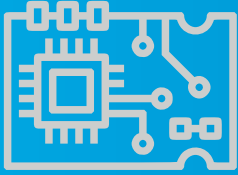
Connected Mobile App



Connected Cloud App



## Hardware Board Design and Development



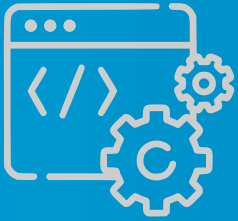
**Skill Capabilities:** Highspeed & Multilayer PCB Design (BOM Selection, PCB Schematic design, PCB Layout design, Fabrication)

**Platform Capabilities:** Altium, OrCAD, PADS, Allegro

**Project Capabilities:** Custom board design, Reference board design, SOM Design, Prototype board design, Modular HW Platform design, Test Jig (Bed of nails) design, Mass production



## Embedded Software Development

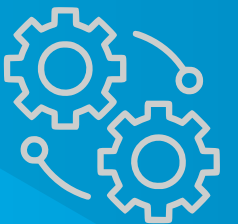


**Skill Capabilities:** FreeRTOS firmware development, Linux/Android BSP & porting, Linux-/Android application development, GUI Development

**Platform Capabilities:** NXP, Marvell, Texas Instrument(TI), Atmel, Broadcom, ST, Microchip  
**Project Capabilities:** Multiprotocol gateway SW development, IOT End nodes SW development, Voice enabled firmware development, Video processing SW development, Peripheral driver development/porting for new platform, Protocol parser development



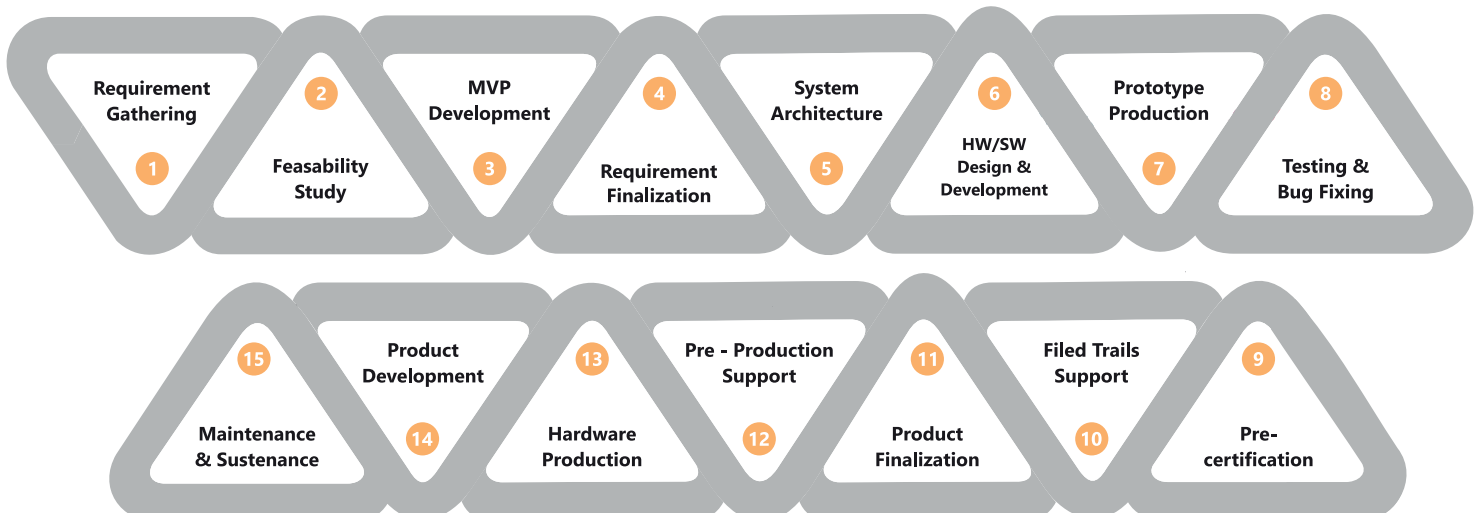
## System Integration with Interoperability



In today's world, it is brutal fact that no one can build everything from scratch, one has to choose make or buy for some of the components to respect the quality and time to market. We well understand the need and serve integration services to build quick prototypes. In addition to that, we also help to integrate new components into the existing system. We also offer to migrate/port existing solution to the other platforms for the next-gen product with desired performance.

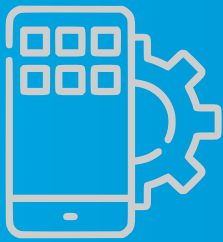
## Product Engineering

We believe that product Engineering is not merely an execution but a seed in form of a potential idea which needs to be own and taken care until it grows and producing desired fruits. Engibrain Technologies can help the customer at every phase of the product life cycle with various engagement models as per the need of the customer. We have the capability of HW board design, Embedded SW Design, Cloud services, Mobile application development, Testing, and system integrator under one roof which helps the customer to get rid of interacting of multiple agencies for product engineering solution





## Mobile Application Development



**Skill Capabilities:** UI/UX Design, iPhone app development, Android app development, Cross-platform app development

**Platform Capabilities:** iOS, Android, Hybrid

**Project Capabilities:** Commissioning app, Remote controlling and monitoring app, User management, Device Management, Data collector, Audio/Video processing app, registration/configurator app



## Cloud Application Development



**Skill Capabilities:** Frontend development, Backend development, DevOps, AWS Architecture and Integration services, Platform migration and upgrade

**Platform Capabilities:** AngularJS, jQuery, AWS, nodeJS, RabbitMQ, Kafka, MySQL, MongoDB, CouchDB, Elastic search, Jenkins, Dockers

**Project Capabilities:** User management, Device management, Device monitoring and control, Alexa integration, OTA management, Application migration



## Manual & Automated Quality Engineering



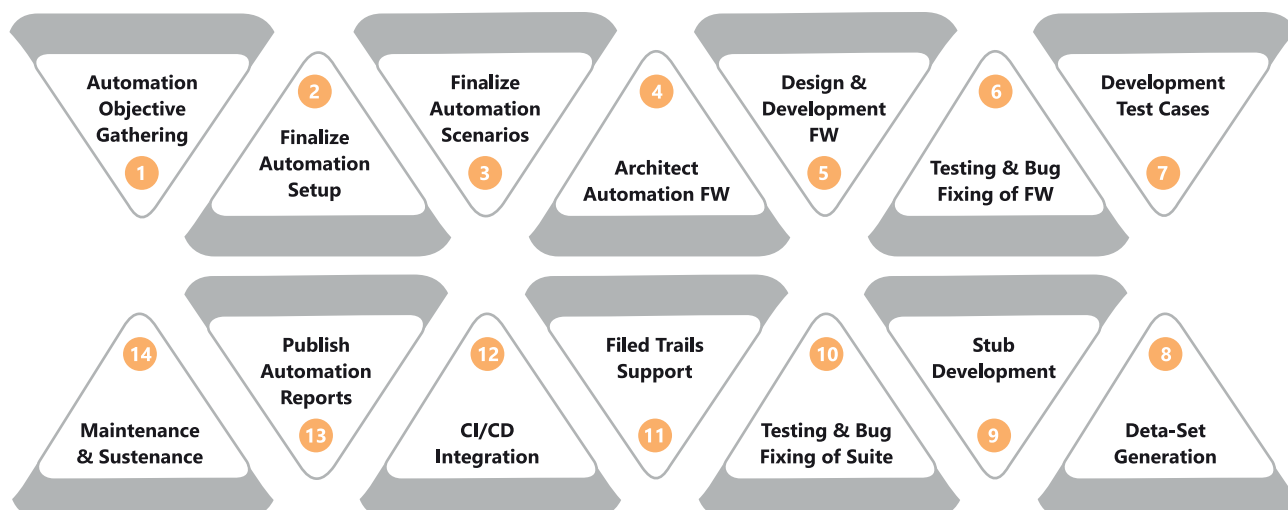
**Skill Capabilities:** Functional testing, performance testing, white box testing, black box testing, load testing, scalability testing, reliability testing

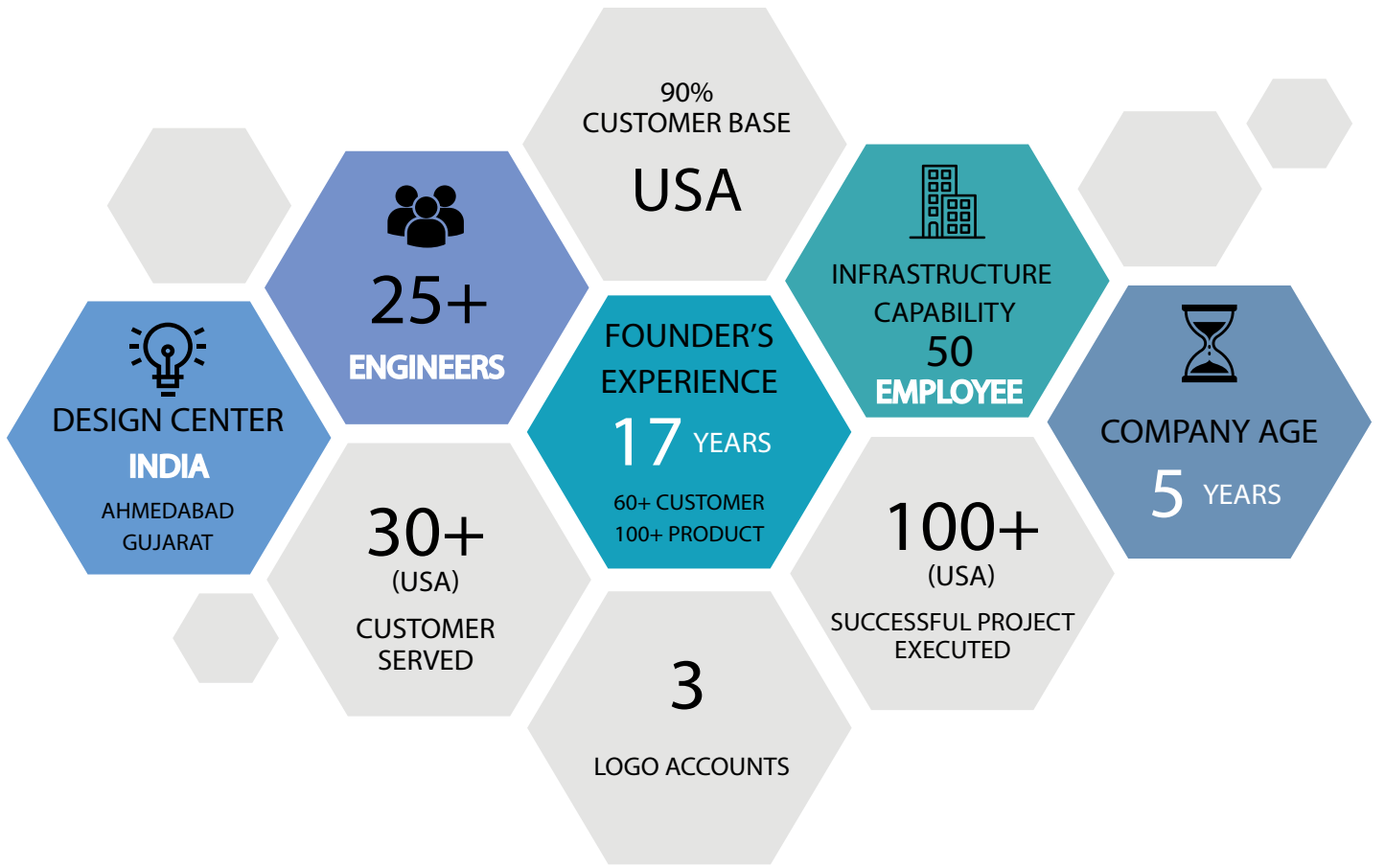
**Platform Capabilities:** VectorCAST, jMeter, Monkeyrunner, Jenkins, TestRail, Quality Center, Regression using custom-made test suites

**Project Capabilities:** IOT Gateway testing, Connected end device testing, Protocol verification as per RFC, Testing of Medical embedded devices, Testing of IOT solution

## Automation Engineering

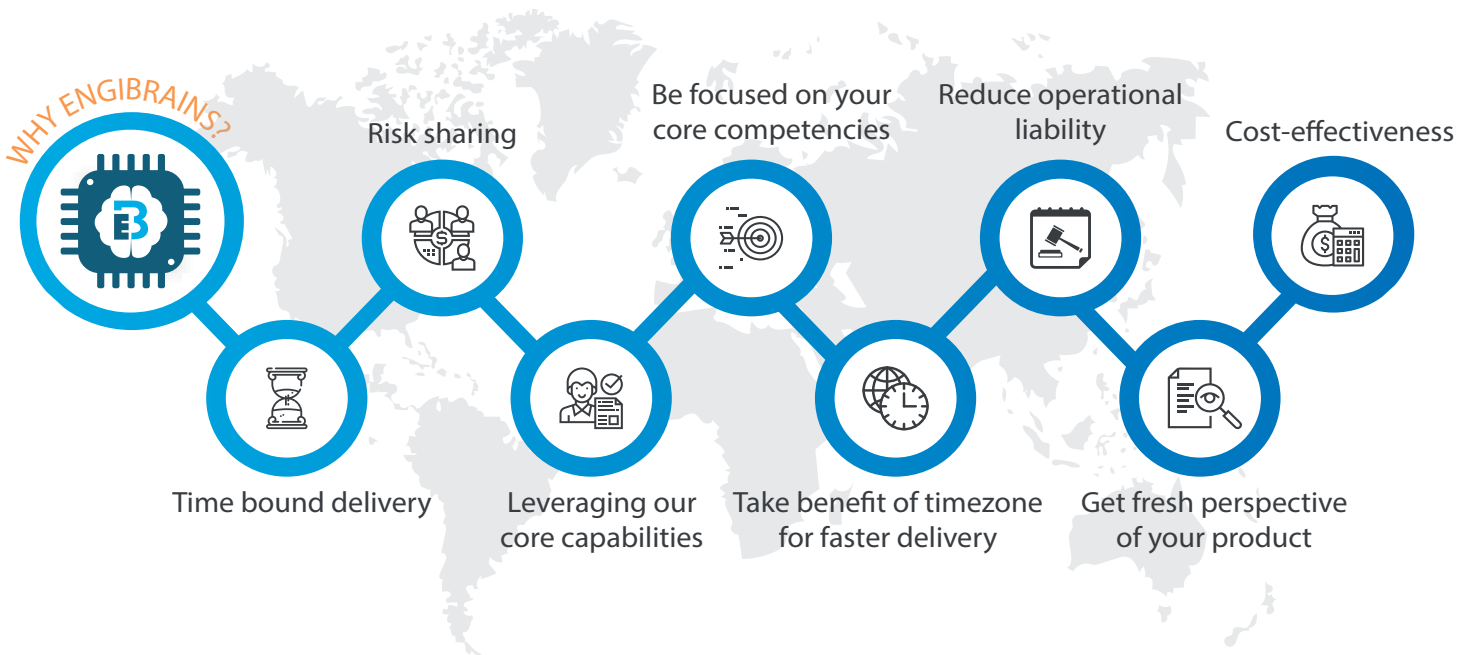
Nowadays every organization is well aware of the pitfalls of manual processes and testing. At Engibrains, we focus on ROI and code coverage based automation approach which not only reduces the recurring cost but also provides test results with consistency. We have designed the automation engineering lifecycle based on the wider experiences of multiple domains like IOT, Healthcare, and Networking. We also have the capability to reach an extreme level where auto code generation can be achieved using automation engineering if the nature of development does support it.





## Vision

Building a platform for potential brains to cultivate leaders of engineering ecosystem for tomorrow, which will also ensure career growth and wealth generation of an individual.



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🌐 [www.engibrains.com](http://www.engibrains.com)