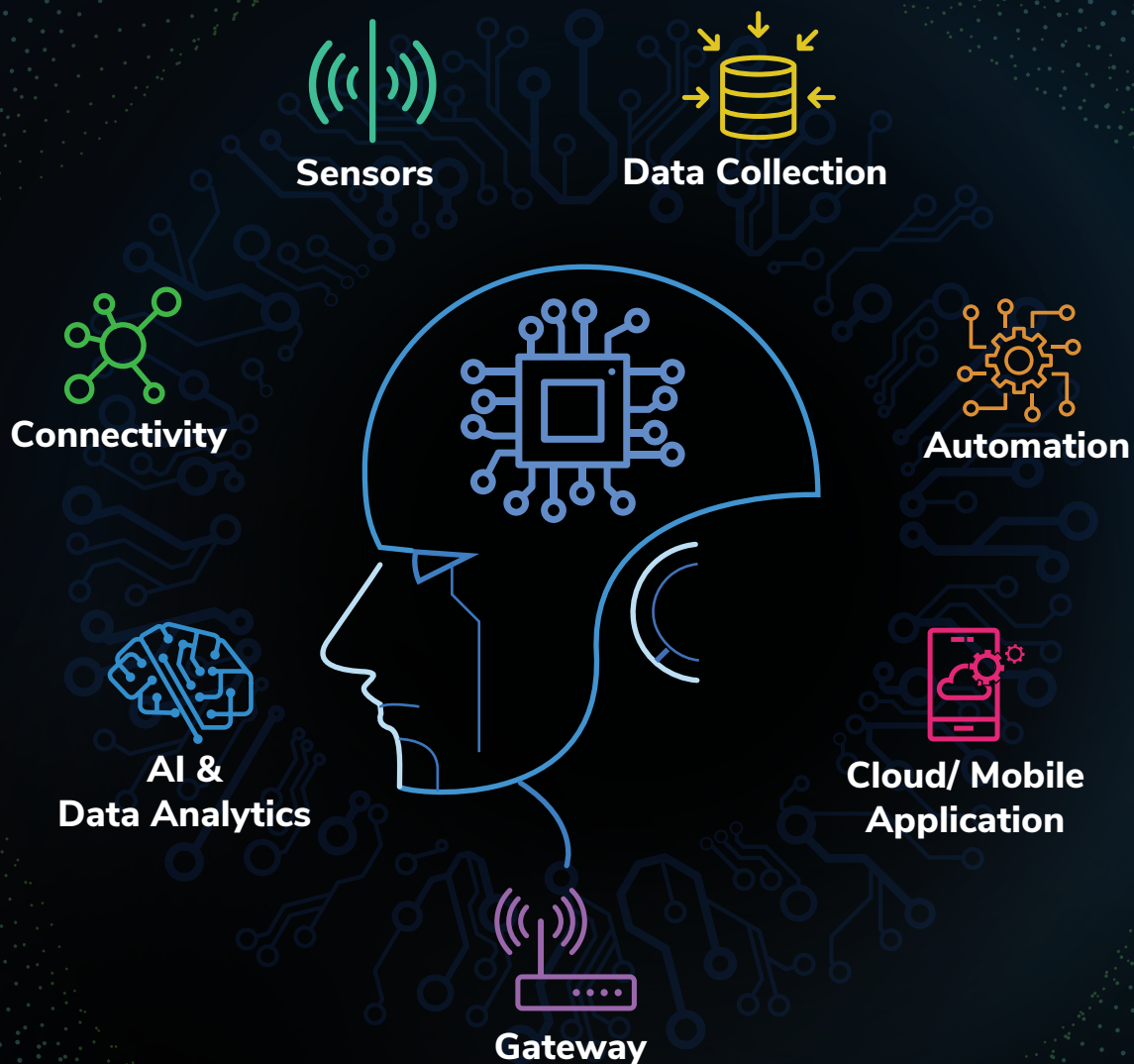


IOT E2E Product Engineering



Gadgeon is an one-stop source to start your IoT Journey. Our consultancy-based approach makes sure that both the functional and the non-functional requirements are addressed right from the design stage itself. We bring several industry best practices that accelerate and optimize your product development. We take complete ownership in hardware design, firmware design & development, proto build, firmware integration, and manufacturing tests & certifications

• Hardware

- Hardware design services (Architecture, schematics, Layout)
- Prototype development
- Transfer to CM
- Certification support
- Obsolescence management

• Embedded Systems

- OS porting (RTOS, Embedded Linux)
- Device driver development
- Linux kernel enhancements/optimization
- Application software (C, C++, Java, QT, Node RED)
- Wired/Wireless connectivity
- Board validation
- Manufacturing Test software
- Embedded Testing

• Cloud/Mobile App

- Architecture and design including UI/UX
- Front end & Back end development
- Design & implementation of Dashboards, Reports, Alert handling
- Integration of enterprise applications and AI & ML components

• DevOps

- Assessment and planning
- Framework creation
- Process implementation
- CI/CD pipeline construction
- Automation

• End-to-End IoT Testing & Test Automation

- Performance, Functionality, Compatibility and Security testing
- End to end use case testing
- Protocol and Device interoperability testing
- Network impact & Edge testing

Key Differentiators



Ownership on the development of end-to-end IoT development including custom hardware/firmware design



IoT test automation framework capable of handling end to end use case scenarios



Faster solution development using Delpheon framework



More than 70+ IoT projects completed successfully with more 300,000 Nodes deployed



500+ strong Engineering team is engaged in end-to-end IoT solution development and deployment



Flexible engagement models according to the project needs

GadgEon
Engineering Smartness

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