



IoT Testing for seamless performance & functionality of your Intelligent Products

We assure thorough validation and software testing of your IoT enabled application

Why DRIVEN-4

- Listed **Top 20 IoT solution provided** in CIO Review 2018
- Proven competency in IOT with **25000+ hours of experience**
- Centre of Excellence with 20+ professionals in IoT with experience in **mobile app, IoT platform, Cloud, Hardware devices design & Firmware** .
- CoE comprising of certified Solution Architects, Project Managers, Developers and QA specialists
- Implemented IOT across multiple domains like manufacturing, consumer products and logistics.
- Global Deliver Model – 24/7 Flexi support

Value Adds

- Testing Frameworks
- Test Automation and Simulators
- ROI Calculator
- Design Thinking Approach
- Agile Methodology
- Cost Effective Model

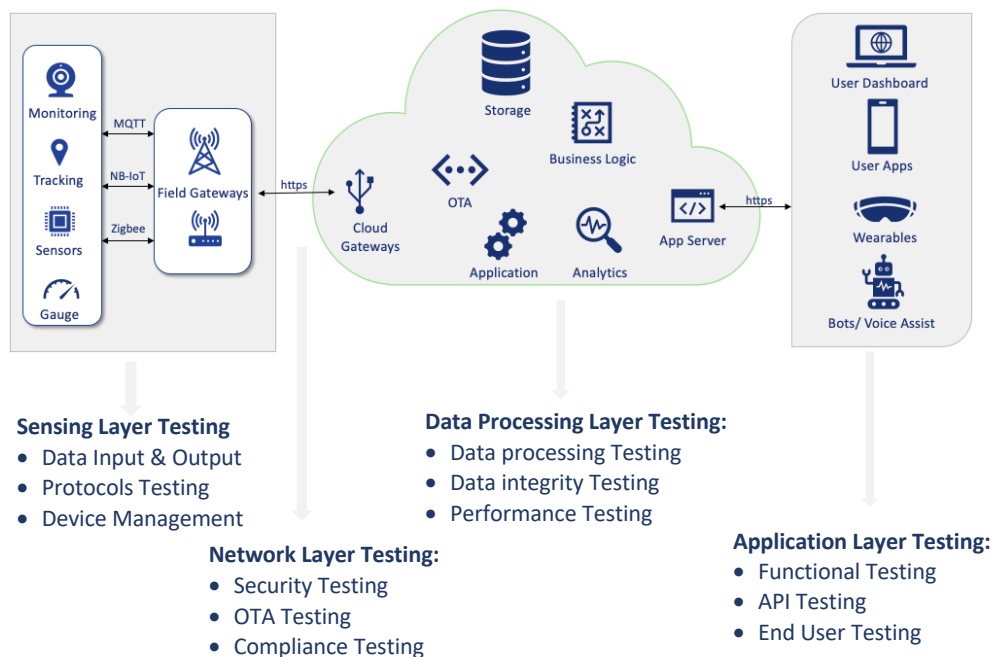
Why IoT Testing

Quality and Performance form the keystone of IoT devices to function and interconnect seamlessly. We ensure testing of the end-to-end functionality of multiple devices across platforms.

3 major benefits of IoT Testing:

1. **Improve Engagement:** IoT Testing ensures that the end users get best-in-class user experience across multiple channels (device, web, mobile)
2. **Future-proof the business:** IoT Testing provides an integrated approach to validate the practical and non-functional requirements of the IoT solutions. It also future-proofs the business by ensuring interoperability, security and performance testing
3. **Accelerate Time-to-Market:** IoT testing ensures faster time-to-market by leveraging early automation

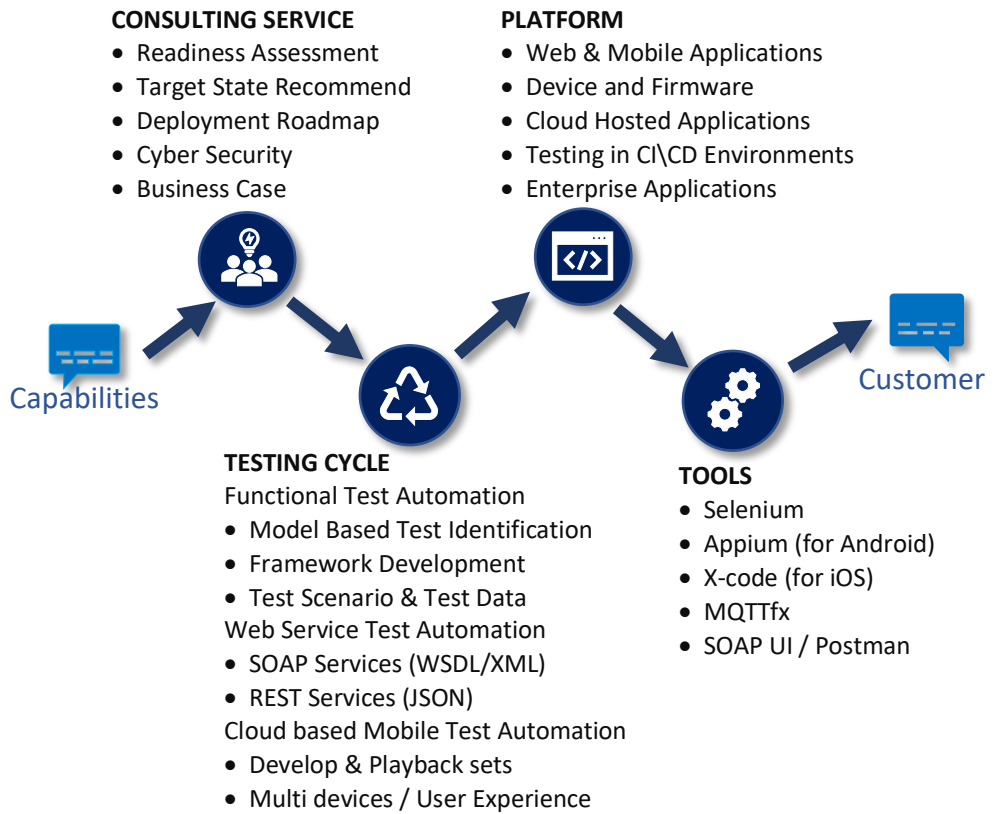
IOT TESTING SERVICES



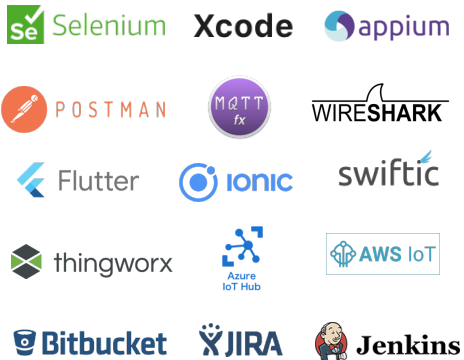
Challenges of IoT Testing

- **Dynamic environment:** Unlike application testing performed in a defined environment, IoT has a very dynamic environment with millions of sensors and different devices in conjunction with intelligent software.
- **Real-time complexity:** IoT applications can have multiple, real-time scenarios and its use cases are extremely complex.
- **Scalability of the system:** Creating a test environment to assess functionality along with scalability and reliability is challenging


TEST TESTING PROCESS




Tools We Use



CASE STUDIES

<p>Connected Indoor Air Quality System</p> <p>Customer Need: Design, develop, test, deploy and maintain new product line for indoor air quality system which is smart, connected and pluggable.</p> <p>Our Approach: Design the system using best IoT technologies available. System that is scalable & secured hosted on AWS, MQTT, Thingworx, Java Spring boot, Flutter, Swiftic.</p> <p>Key Success Factors: A stable system hosted on cloud, that is functional, highly secured, stable with intuitive Mobile app UI</p>	<p>Case Study #1</p> 
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<p>Case Study #2</p> 	<p>Connected Spa – Develop & Test</p> <p>Customer Need: Migrate existing connected Spa system with better technology and maintainability.</p> <p>Our Approach: Build parallel IoT system on Azure cloud, used Azure SQL, IoT Hub and VMs. System that can connect to both existing and new devices. Newer smart system interfacing CRM & PIM applications.</p> <p>Key Success Factors: Easy switch for users with better, lighter mobile apps with highly responsive system. Update firmware pointing, migrate customer data and smooth turn around for customer support.</p>
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