





## Testing

Validation and testing are the cornerstone of successful products that work reliably and evoke customer delight. The advent of newer frameworks, greater level of automation, and more stringent benchmarks / compliance requirements are driving a sea change in the domain of verification and validation.

At GlobalEdge, we accord due importance to this critical phase of product development. A practice that lends itself to all our technologies and industry offerings, our expertise spans all stage of development. At the very core is our silicon validation and testing, followed by testing at the stack, application, product, and solution level. Product qualification testing, that certifies that a product is ready to go-to-market, is another key focus area.

Our dedicated labs and centers of excellence are further proof of our commitment and expertise in the rapidly evolving field of testing.

## OUR OFFERINGS

### Scope

- White box testing
  - Functional testing
  - Unit testing
- Black box testing
  - Performance / compliance / integration / regression / conformance / sanity / stress / interoperability
- Labs and CoE
  - WLAN and BT IOP lab
  - BT / Wi-Fi interop test lab

### Services

- System / product / application testing
- IoT testing and validation
- Wi-Fi, BT, cellular modem testing
- Interop / co-existence testing
- IOT for APs, Stations, P2P, Miracast
- Pre-certification
- Product qualification
- Test automation frameworks and tools

## SOLUTIONS

### WLAN and BT IOP testing

GlobalEdge has set up a WLAN and Bluetooth interoperability lab and developed a fully automated interoperability test tool than can be used to test customer WLAN devices in access point, station, or P2P modes.

## INDUSTRIES

### Automotive

- ECU validation
- Vehicle network validation
- System / subsystem integration validation
- EMI/EMC

### Telecom

- Protocol conformance / carrier acceptance / automation testing
- VoLTE compliance
- (H)eNB framework
- SON / Small cell test automation

### Industrial Automation

- Testing for device drivers / firmware / applications / solutions
- Test applications for profile and stack testing

### Consumer Electronics

- Android testing framework - device drivers / VoIP / WLAN / BT
- PacketCable testing tools
- BLE / BR/EDR profile testing
- Base band / LMP layer testing