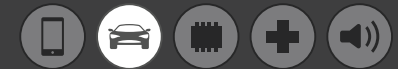


# Frontline Test Services™

## for Automotive Applications



### Training

#### knowledge and capabilities

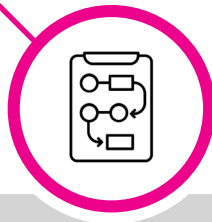
- Technology training for managers
- In-depth training for engineers
- Use of test tools to an advanced level



### Test Strategy

#### cost and time effectiveness

- Holistic approach to testing of device features, UX, UI
- Confidence for a given market
- Improved customer satisfaction



### Benchmarking

#### performance and usability

- Product analysis of features, user interface and user experience
- Competitive in customer surveys such as J. D. Power
- Competitor analysis for comparison and product improvements



### Product Launch

#### market readiness

- Balanced approach to confidence versus time and cost
- Complex scenarios with extensive library of phones, smart watches and headsets
- Validation and correction of field issues



Teledyne LeCroy offers test and consultancy services to help in all stages of product development from Specification to Market Launch and beyond. Live results are available via a web interface. Teledyne LeCroy develops protocol analyzers and other test tools that are used by many manufacturers; this gives us a unique insight and experience into connectivity technologies such as Bluetooth® and Wi-Fi.

### Interoperability Database

#### live results via secure website

- Supporting information: observations, logs and capture files
- In-built bug tracking or links to your system
- Database of phones and their features



### Supplier Specifications

#### feature and behavior targets

- Help creating design specifications
- RFPs to improve suppliers' products
- Reduced unexpected behaviors that cause delays



### Pre-production

#### confidence before launch

- Root-cause analysis (RCA) determines faults
- Resource concentrated on real issues
- Phone projection: Android Auto, CarPlay, MirrorLink, Miracast and CarLife



### Post-production

#### issues and feature additions

- Ensured interoperability against new or updated devices
- Updates and new features do not compromise your product
- Creation and management of phone compatibility websites

