



World's Largest Electric Car Manufacturer

Increased Test Coverage by 100% Leveraging WinWire's Modern Testing Expertise

Customer

Customer is the world's largest electric car manufacturer and provides development services to develop electric vehicle powertrain components and systems for other automotive manufacturers.

Business Challenge

The customer was in the process to accelerate its business and wanted to replace their legacy system with a new global scheduling system that supports sales, delivery and service of cars globally as their current third-party system was costly and had several limitations:

- Third-party system was unable to scale and meet the business needs and lacked support for localization and local time support
- Lack of support for mobile access for field users
- Inability to configure and maintain scheduling process
- Inability to manage and schedule resources for each location
- Inability to handle multiple appointments within a timeframe

WinWire Solution

WinWire worked with the customer to understand their needs and build a robust new scheduling platform. To ensure that the deliverable follows the needs of the customer with the best quality, the QA process was implemented by automating and validating the following parameters:

- **Followed Agile Process**
 - Scrum method, sprint planning meeting, daily scrum meeting and sprint retrospect meeting
- **DB Testing and Device Testing**
 - SQL server management studio
 - Browser stack
- **Selenium with C# Test Automation**
 - Browser compatibility
 - Responsive user interface
 - Database validation
- **JMeter**
 - Performance testing
- **API Testing leveraging Postman and Newman**
 - Internal and external API for webservice within the organization

Business Value

- Automated test data identification model.
- Automated agile test reporting dashboard
- Increased test coverage by 100%
- Early detection of defects by 50%
- Enhanced system reliability of the new platform