



Tessolve Automation Services

# Why Use Automation Testing?

- 1.) Traditional testing approaches are at breaking point – slow & inflexible
- 2.) Focus on agile continuous integration development methodology
- 3.) Fast changing environment
- 4.) Regular software releases to meet customer demand



## Benefits

- Increased coverage
- Faster time to market
- Reduced cost
- Refocus manual testing on priority functionality

## Drawbacks

- Extra setup effort
- Skills lost
- Fragile

Let Tessolve help you avoid the

- drawbacks: 10years + automation experience
- 1000s of hours automation scripting and IP created experience across many deliveries.

# Tessolve Automation Framework

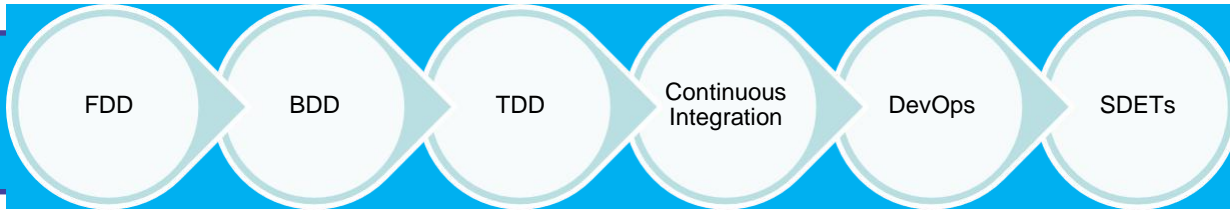
- Focus on ROI
- Business Demands / Objectives



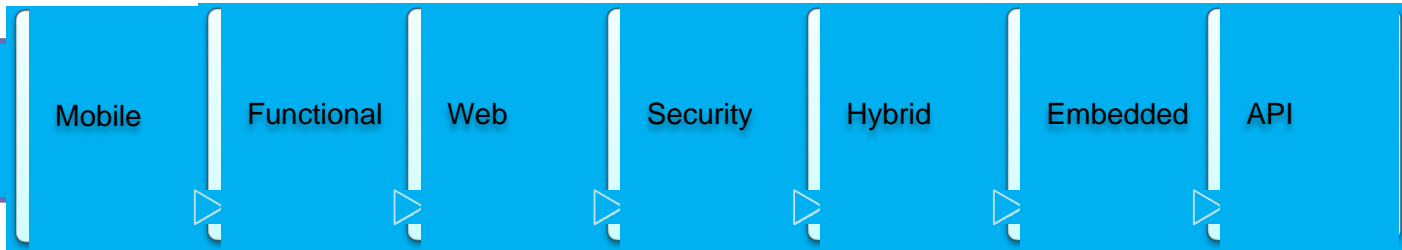
Automation Strategy

- Tessolve automation Centre of excellence – UK & Bangalore
- Industry best practice – shaping the future of test automation
- Developed inhouse tools: asureSIGN / Run Manager / asureSIGN

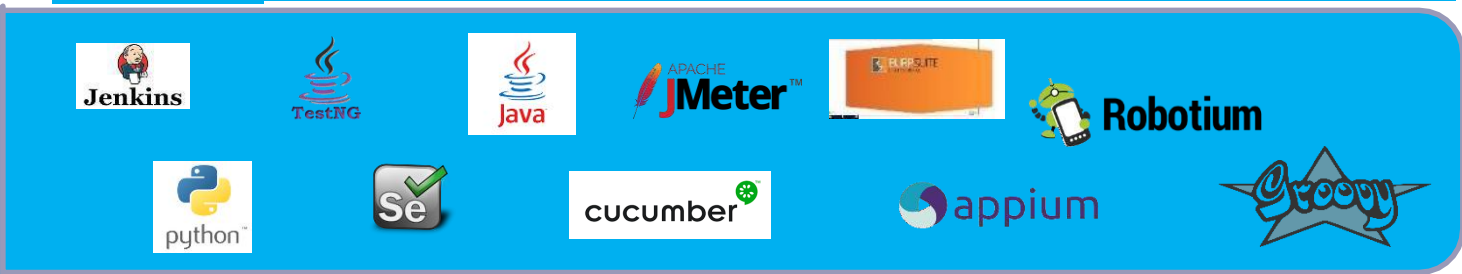
Approach



Type



Tools



Increase Efficiency

Increase Coverage

Increase Effectiveness

# Automation Expertise

## 1.) Domain

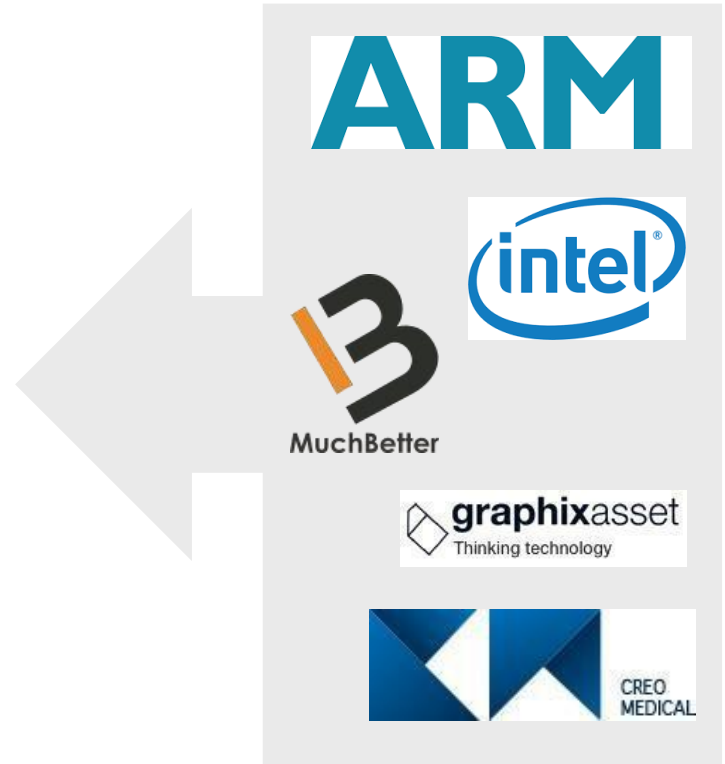


## 2.) Type

Web	Mobile	API	Security
<ul style="list-style-type: none"><li>• Functional testing</li><li>• Regression testing</li><li>• Smoke &amp; Sanity testing</li><li>• Integration testing</li><li>• UI testing</li><li>• Localization testing</li><li>• Cross-browser testing</li><li>• Performance testing</li></ul>	<ul style="list-style-type: none"><li>• Native app - iOS and Android</li><li>• Hybrid app</li><li>• Testing on real devices, simulators / emulators and cloud platforms</li><li>• Parallel tests run for speed</li><li>• Cross-platform support</li></ul>	<ul style="list-style-type: none"><li>• Testing of RESTful APIs</li><li>• SOAP web services.</li><li>• Support for industry standard data formats (JSON, XML, plain text, etc.)</li><li>• Integration testing</li><li>• Non-UI functional testing</li></ul>	<ul style="list-style-type: none"><li>• Web application</li><li>• APIs</li><li>• Mobile apps</li></ul>

# Why Tessolve Automation?

- Automation experts
- Reusable IP
- Trusted Partner
- ROI focus
- Faster time to market



- ✓ **Lower development costs and faster time-to-market**
  - *“Tessolve engineers saved 2 months on our 12 months schedule, and reduced our costs by 20%”*  
Steve Neill, Managing Director of Infineon UK

# Client Case Studies



**Company:** mobile platform-based for managing workforce tasks using location intelligence.

**Scope:** automated test suite for the TaskEase mobile app.

**Approach:** delivered Robotium test automation framework

**Benefits:**

Automated >90% of functional testing

Reduced maintenance costs with automated regression packs



**Company:** innovative virtual reality

**Scope:** implement an automation framework

**Approach:** FDD automated regression using python

**Benefits:**

Reduced test management overhead by 70%+

Enabled continuous integration



**Company:** FinTech mobile banking payment app

**Scope:** provide test expertise and automation

**Approach:** BDD automation of API using java & appium

**Benefits:**

60+ cost saving compared to UK

Measurably improved software quality



# Engagement Models & Why Tessolve?

Engagement Models	Why Tessolve?
<ul style="list-style-type: none"><li>• Onsite</li></ul>	<ul style="list-style-type: none"><li>• Cost for internal test capability is high</li></ul>
<ul style="list-style-type: none"><li>• Offshore</li></ul>	<ul style="list-style-type: none"><li>• Flexible resourcing models</li></ul>
<ul style="list-style-type: none"><li>• Access to our facility</li></ul>	<ul style="list-style-type: none"><li>• Testing experts</li></ul>
<ul style="list-style-type: none"><li>• Nearshore</li></ul>	<ul style="list-style-type: none"><li>• Global offices</li></ul>

Thought leaders:

- Verification Conferences and Clubs
- GDPR workshop
- NMI IoT Security Foundation

# Thank you

## Tessolve Semiconductors Private Limited

*Delivering Tailored Solutions for Hardware Verification and Software Testing*