



HCL's Verification and Validation Offering -

Unleashing the Next-Gen Testing Approach for the New Normal

Accelerate your transformation journey with comprehensive, specialized verification and validation testing services



Technology today has transformed the way businesses work and the recent pandemic has changed things further. The industry is grappling with challenges like infrastructure accessibility from home, remote working, automation of processes, rapid product releases, multiplicity and complexity of platforms and devices, evolving business models and interoperability at near real-time scenarios. Along with the increasing size and complexity of the ecosystem, quality assurance methods and sustenance need to be adjusted accordingly. Software-intensive systems are resulting in the testing landscape witnessing a shift to remote, specialized, high-end automated services.

Everything is moving to the cloud and back, especially in the new normal, resulting in changing the ways of consuming software offerings. There is a constant need now to support various devices and platforms to enable continuity and widespread access of services. With this plethora of possible connected devices and vast networks, simulating the ecosystem for testing is also getting trickier. New normal has also amplified the wave of newer features being added constantly thus reducing the ROI on automation. The business model is also changing from perpetual to subscription based to optimize cost, another big driver in the new normal. Add to it the disruptive competition from digital start-ups and an increasing demand from customer for low total cost of ownership (TCO).

To help business in their respective business transformation journey for the new normal and beyond, HCL is forming strategic partnerships with its by providing both comprehensive remote and on-premises verification and validation strategies that ensure business continuity, improve the quality of products and enable faster time to market. Our next-generation testing approach combines world-class standards for quality amid the evolving product and application ecosystems today to deliver faster, structured, and more effective testing solutions.



V&V Offering to Tackle Diverse Business Challenges

Talent

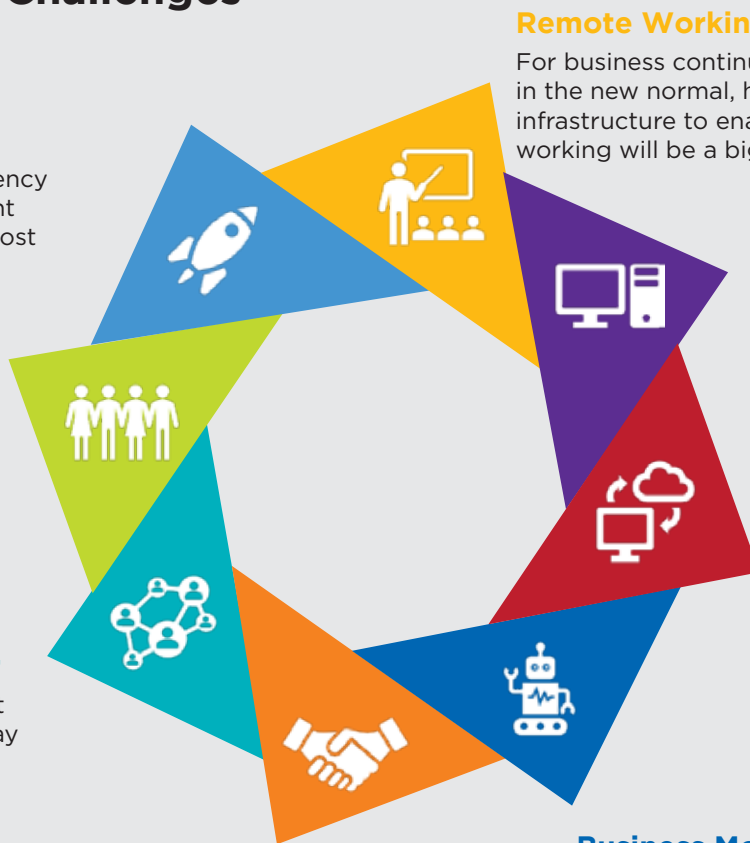
Resource competency and retaining talent while optimizing cost

Regulations

Enterprises need to comply with stringent regulations for product and device standards

Low Entry Barrier

Rapid / more frequent releases needed to stay competitive



Remote Working

For business continuity in the new normal, having infrastructure to enable remote working will be a big challenge

Security

Interconnectivity of subsystems raises security, privacy and data security challenges specially with everything moving to the cloud in the new normal world

Test Automation

Given new normal and newer features & personalization leading difficulty in generating automated test cases and scripts and lower ROI on Automation

Product Complexity

Increase in cost of simulating networks and end user environments due to large number & variety of device types and product complexity

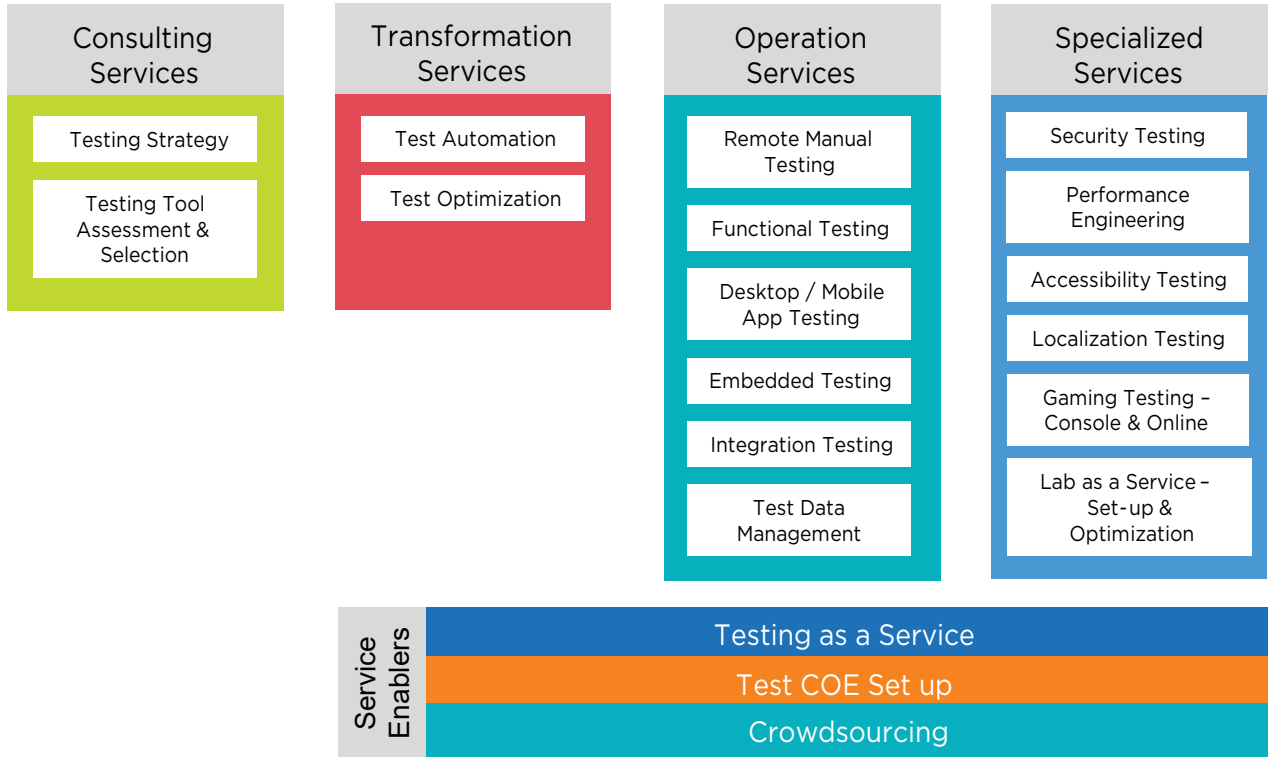
Business Model

Change of business model from perpetual to subscription model implies high upfront investment and higher security concerns





End-to-end Verification and validation expertize you can count on – Services Catalog



Why choose HCL's V&V offerings?

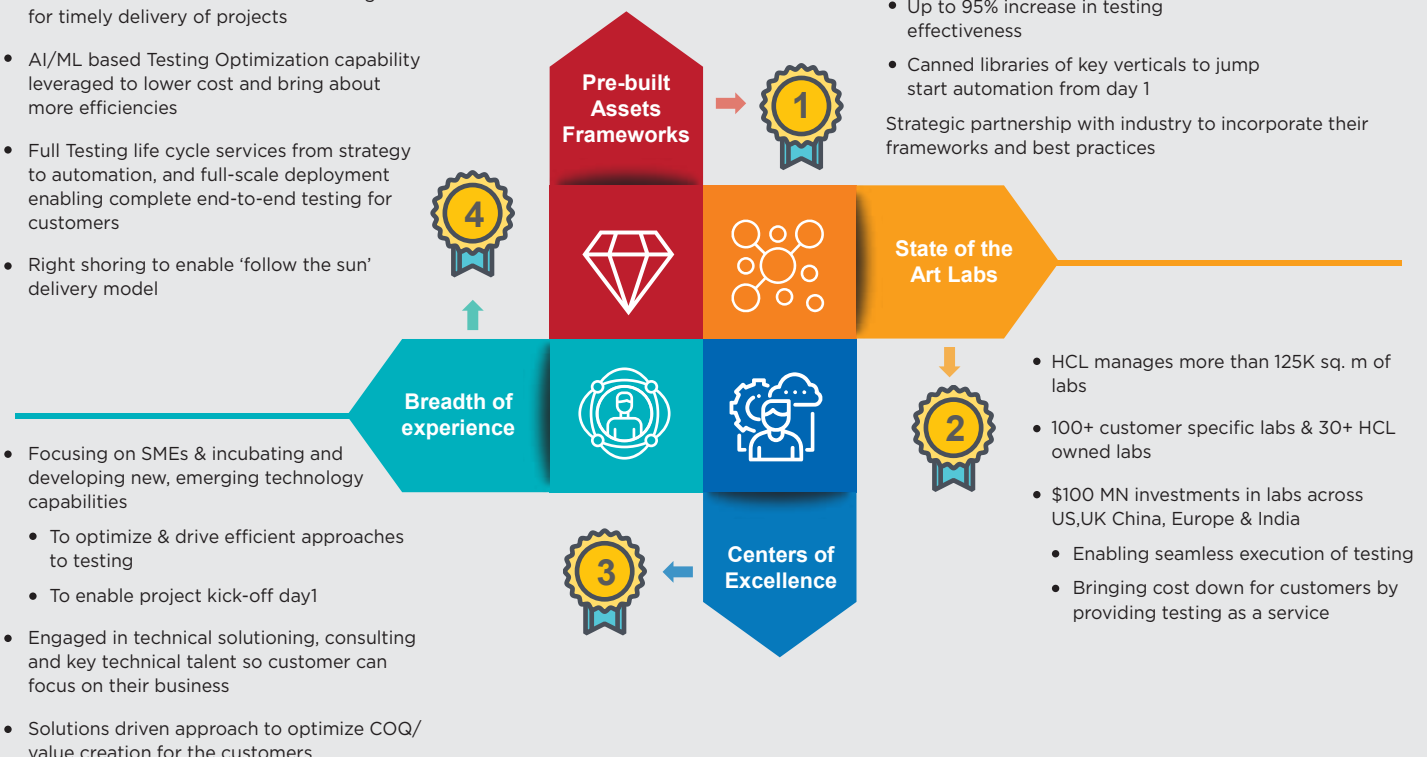
Our Differentiators

- HCL's 40+ years of experience across engineering domains and Verticals enabling us to bring value to customer
- 12,700+ Testing Engineers, 2500+ Automation Testers who can be leveraged for timely delivery of projects
- AI/ML based Testing Optimization capability leveraged to lower cost and bring about more efficiencies
- Full Testing life cycle services from strategy to automation, and full-scale deployment enabling complete end-to-end testing for customers
- Right shoring to enable 'follow the sun' delivery model

Horizontal & Vertical focused solution accelerators enabling faster go-to-market by bringing

- Up to 80% execution effort saving
- 100% user story coverage
- Up to 95% increase in testing effectiveness
- Canned libraries of key verticals to jump start automation from day 1

Strategic partnership with industry to incorporate their frameworks and best practices





HCL has been declared a Leader in Everest Group's Verification and Validation (V&V) Engineering Services PEAK Matrix® Assessment 2020

"HCL has retained its position as a leader in the verification and validation (V&V) space due to its sustained efforts to strengthen capabilities in V&V across all the four service functions - mechanical, embedded, network, and software. HCL's investments in labs and its strong partnership network enable it to provide end-to-end validation solutions to customers from multiple industries, while its strong global presence enables service delivery from offshore, nearshore, and onshore locations. Customers acknowledge and appreciate the efforts of HCL's V&V teams to strengthen domain knowledge and integrate intelligent quality assurance (QA) techniques in service delivery."

Akshat Vaid, Vice President,
Everest Group



Bringing Delight to Customers

Business Benefits

HCL V&V services can support customers at different stages of their testing maturity journey, unleashing various key benefits:



Tool Partnership

- Partnership with 20+ leading testing tool vendors;
- Covers the entire testing spectrum and all new age technologies

