



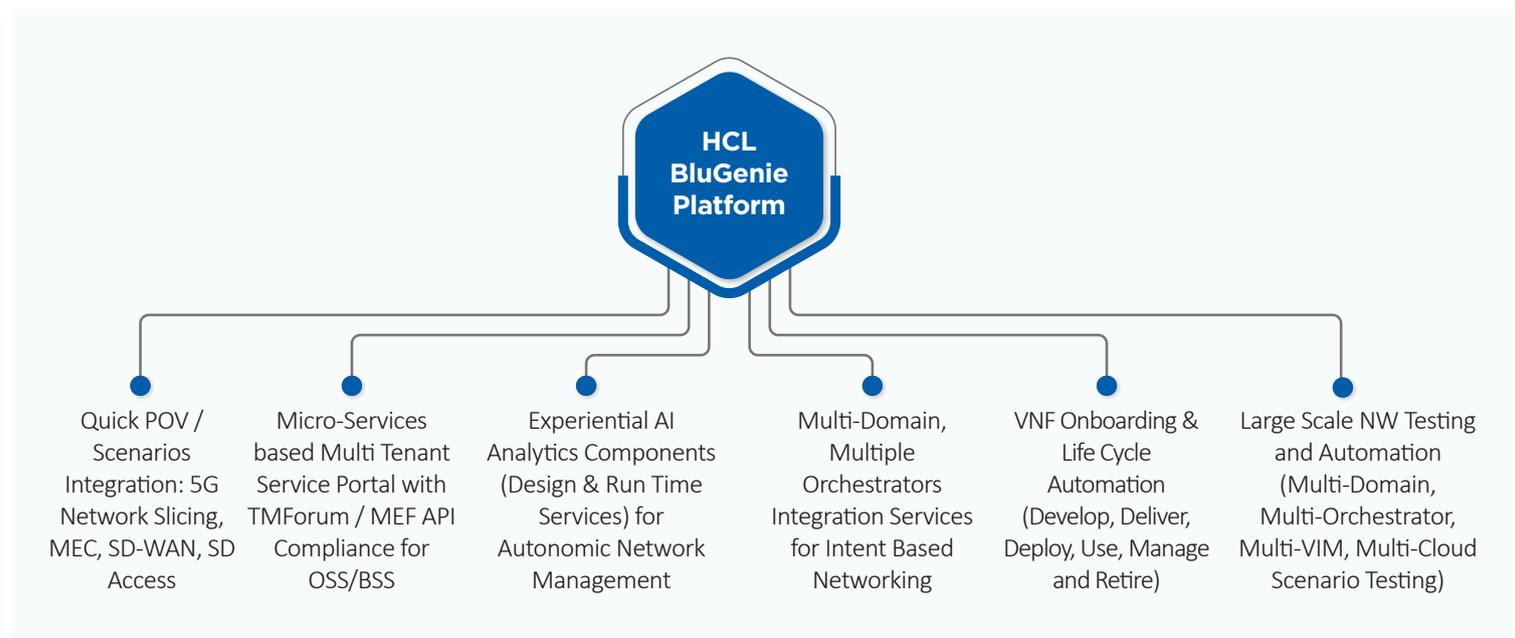
**BLUGENIE**  
by HCL Technologies

# NETWORK SOFTWARIZATION PLATFORM

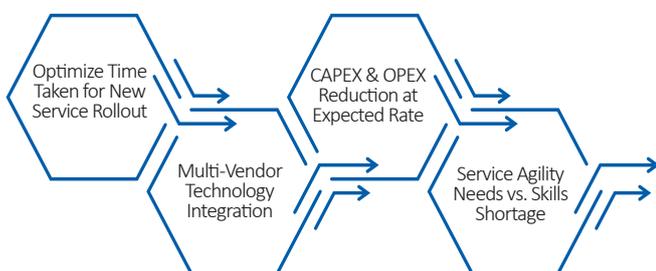
HCL BluGenie platform provides a network softwarization tool-chain that aids in transformation of Digital Services and Products life cycle at every stage. It solves business and automation related challenges faced by Operators and Vertical Industries by providing ability to manage architectural, functional, operational requirements in a unified way.

## NETWORK SOFTWARIZATION TOOL CHAIN

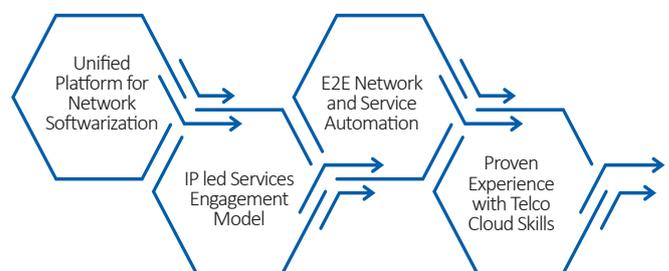
- Universally customers consume large amounts of data and continuously seek Digital Services which in turn is expanding the scope of 5G technologies, containerization / virtualization of services, cloud, big data, analytics and IoT. Service Providers and Enterprises take 200+ days to introduce new services because of complexities that exist to put together across all layers.
- Lot of complexity exists to put together new service using SDN NFV technologies ranging from multi vendor HW and SW complexity with respect to Infrastructure, Services and Orchestration, Decoupled Solution Design, Proof of Concept, Iterative Customization and Development Cycles, NFV Solution Validation (Functional, Performance, Operational, LCM), Resiliency & Web Scale Testing, Applications and Network Service Rollout Readiness, Agile Delivery (CI/CD/CT) based Field Deployment.
- HCL BluGenie Platform provides IP led Services for Automation of E2E network and service management i.e. Provisioning, Deployment, Upgrade, Healing, and Full LCM.



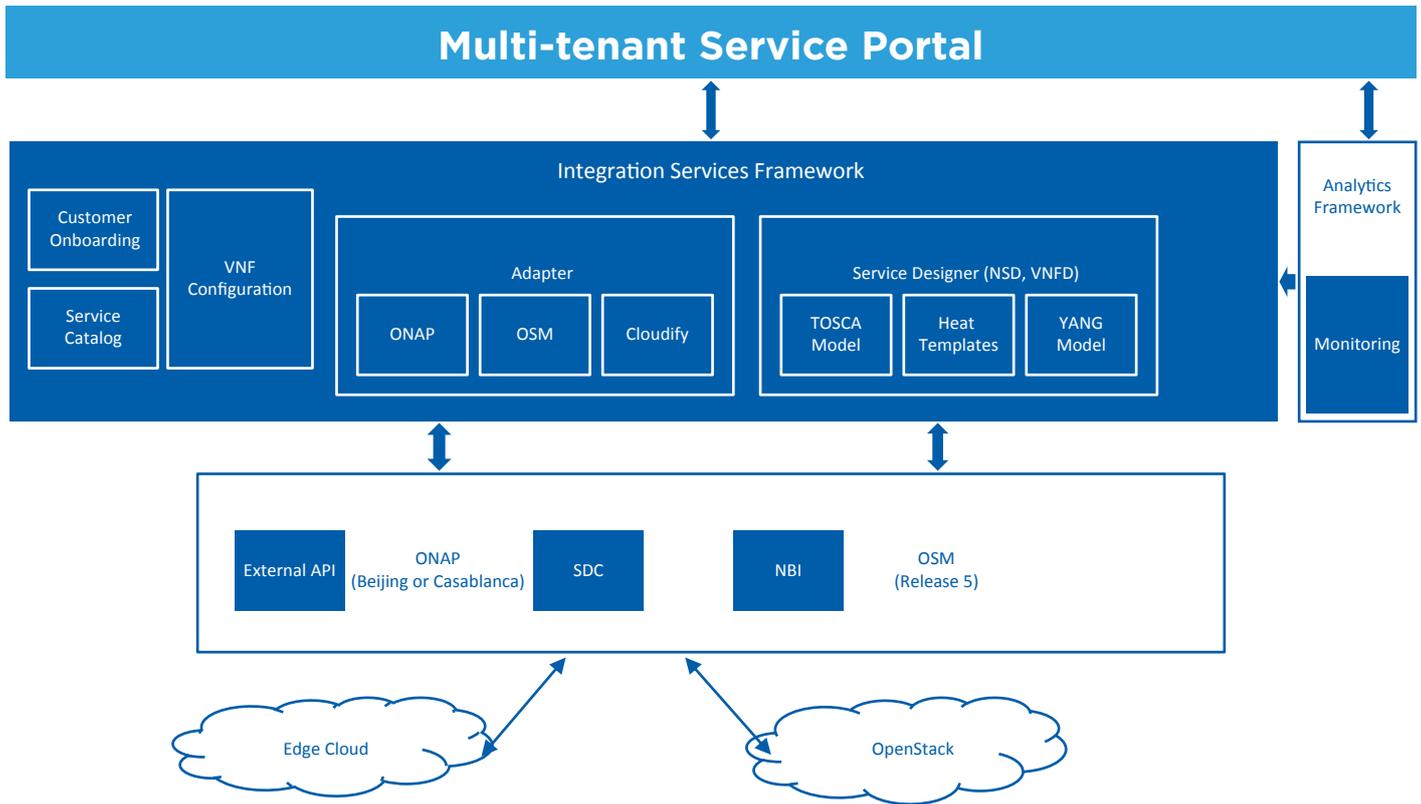
### OPERATOR BUSINESS CHALLENGES



### HCL SOLUTION



# BLUGENIE PLATFORM COMPONENTS



| Better Time to Market  | Reduced OPEX   | Faster Ramp-Up   | Reduced Experimental Cycles   |
|--|--|--|---|
| <p>SDN &amp; NFV Technology Adoption, Reusable Frameworks with 360° Engineering Ownership Capability</p>   | <p>Readiness for Outsourced Engineering Project through Investments in Process Automation</p>  | <p>Readiness to Work as Client Extended R&amp;D Team, through Investments in Engineering Skill Development Methodologies</p>                                   | <p>Collaboration in Research &amp; PoCs to Streamline New Technology Adoption</p>   |
| <ul style="list-style-type: none"> <li>• Reusable Frameworks</li> <li>• Extensive Experience</li> <li>• Pre-verified Integrated Implementations</li> </ul> | <ul style="list-style-type: none"> <li>• Up to 30% Reduction of Manual Engineering Effort</li> <li>• Verification Engineering &amp; Automation Framework</li> <li>• Tool chain for E2E Network and Service Automation</li> </ul> | <ul style="list-style-type: none"> <li>• 250+ Trained Engineers in SDN &amp; NFV Technologies</li> <li>• SME Pool of Practitioners &amp; Architects</li> </ul> | <ul style="list-style-type: none"> <li>• Research &amp; Experimentation Experience over Various Aspects of SDN &amp; NFV Engineering &amp; Integration</li> </ul> |

HCL Technologies is a next-generation global technology company that helps enterprises reimagine their businesses for the digital age. Our technology products, services, and engineering are built on four decades of innovation, with a world-renowned management philosophy, a strong culture of invention and risk-taking, and a relentless focus on customer relationships.

We offer an integrated portfolio of products, solutions, services, and IP through our Mode 1-2-3 strategy, built around Digital, IoT, Cloud, Automation, Cybersecurity, Analytics, Infrastructure Management and Engineering Services, amongst others. With a worldwide network of R&D, innovation labs and delivery centers, and 132,000+ 'Ideapreneurs' working in 44 countries, HCL serves leading enterprises across key industries, including 250 of the Fortune 500 and 650 of the Global 2000.

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