HCLTech | Supercharging Progress™
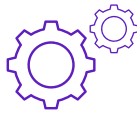
Supercharging
5G and beyond

5G is no longer a technology for the future. 5G is here and is disrupting industries like never before. Advancements in 5G technology are unlocking new possibilities for creating value across multiple industry verticals and market segments. To realize this potential, enterprises are increasingly investing in 5G innovation and research to address business challenges.

At HCLTech, we are at the forefront of this 5G revolution with our solution-driven approach, technology depth and domain expertise. We are accelerating the 5G revolution by converting today's most pressing 5G challenges into opportunities, and creating new monetization avenues for telecom service providers, cloud service providers, OEMs, and enterprises across industries.

Supercharging the 5G revolution with HCLTech

We have a unique, ecosystem-driven 5G Engineering strategy that helps capture new revenue streams, deliver mission-critical solutions, and create immersive experiences, for the entire 5G ecosystem that includes: Telecom Service Providers (TSPs), OEMs, Hyperscalers, Semiconductor & Device Manufacturers, and Enterprises.

Product Engineering services

vRAN, 5GC design and development

Hardware Engineering (Embedded/ FPGA / RF)

RF board /Antenna design & development

Professional Services for Vendors, TSPs, Hyperscalers

Converged Network Elements (SDN, Converged Access) Development

Engineering Labs

Private networks & Enterprise 5G

Consultancy Services

Network design to deployment services

Managed services for enterprises

Use Case development and System Integration

Solution Engineering & SI services

5G System Integration Framework (5G SF)

CI/CD/CT

xNF Onboarding & Certification

Device Certification & Onboarding

Predictive Analytics & Service Assurance

Slice Management Solution

Day-0, Day-1, Day-2 Automation

Open RAN
(Open-Source Community Contribution)

Non-RT RIC / SMO / ONAP integration and Hardening

Nr RT RIC OSC contribution, hardening and integration

xAPP / rApp development

| | Multi-vendor, Multi-domain experience | | Investments in 5G labs with 10+ Partners | | CoE with practitioners to scale for 5G | | Investments in products (SON), Open source |

Our 5G Solutions – Accelerating the 5G revolution

Our portfolio of transformative 5G solutions and accelerators are tailored to leverage the full benefits of 5G and play a crucial role in the entire lifecycle of industry transformation.

5G System Integration Framework

Automate and accelerate Network Function onboarding, testing and validation, network abstraction, slice management, Service assurance and analytics

5G NOX

Support onboarding, Interoperability testing/ validation and certification of multi-vendor 5G Network Functions & 5G Devices

5G service assurance & analytics solution

Enables operators and enterprises to improve network service quality and user experience

TURBO

Intelligent 5G Test automation and orchestration platform, to manage, schedule, and monitor test case execution

5G RIC Test Automation Platform

Reduce time taken to validate RIC platform & target xApps and visualize test results of different scenarios via intuitive reports

5G Network in a box

Managed service solution for use case design, development, deployment, operation, management of Enterprise 5G solutions

Creating impact across industries and value chains
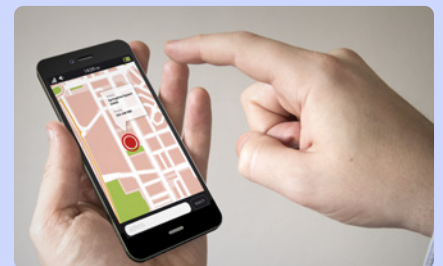
For a leading Hi-Tech OEM

- Performed Open RAN interoperability testing, validation and re-certification services
- Successfully executed Radio Integration & System Testing, Radio Conformance Testing

For a Tier-1 Telecom Operator

- Designed and implemented Multi-cloud based MEC orchestrator to orchestrate xNF ordering and deployment
- Enhanced end-customer experience by developing an SD-WAN/SASE monitoring function for vendor systems
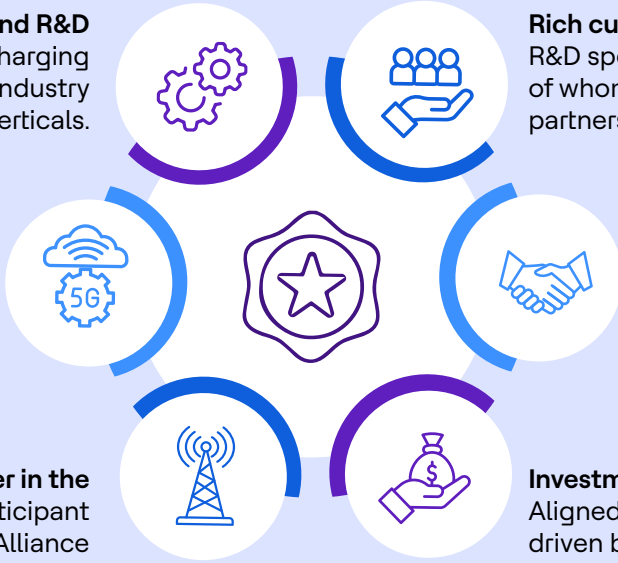
For a Tier-1 Electronic Manufacturer

- Implemented a 5GC Location Management Function (LMF) to monitor personnel movement and provide real-time alerts
- Mission critical Enterprise 5G application for human safety, ensuring 99% safety compliance

Our Credentials

45+ years of Engineering and R&D service expertise: Supercharging Progress across 10+ industry verticals.

Investments in 5G Labs: State-of-the-art network centric and use-case specific Labs for testing, integration & PoC development

A uniquely positioned partner in the Open RAN space: Active participant and Key contributor in O-RAN Alliance & Telecom Infra Project (TIP) communities

Rich customer base: 63 out of 100 Top R&D spenders are our customers, many of whom have been our strategic partners for over a decade

Partnership-driven approach towards 5G: Collaborating with 20+ partners in a myriad of ways to co-create and develop services tailored to meet diverse industry and enterprise needs

Investment across entire value-chain: Aligned to customer imperatives and driven by automation, optimization, cloudification, and containerization

Analyst Recognitions

Everest Group
Leader in
5G Engineering Services PEAK Matrix® Assessment
2023

Zinnov
Leader in
Zinnov Zones For Digital Engineering Services
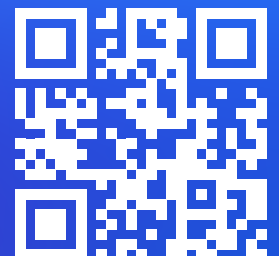2022

Everest Group
Leader in
Digital Product Engineering Services PEAK Matrix® Assessment
2022

ISG
Leader in
ISG Provider Lens™ Digital Engineering Services Connected and Intelligent Operations Discrete Industries, U.S.
2022

Want to know how we can supercharge your 5G adoption journey? Contact Us: 5gsolutions@hcl.com

hcltech.com

HCLTech is a global technology company, home to 225,900+ people across 60 countries, delivering industry-leading capabilities centered around digital, engineering and cloud, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending March 2023 totaled $12.6 billion. To learn how we can supercharge progress for you, visit hcltech.com