

HCLTech | Supercharging
Progress™

Accelerating Future-ready Networks

Sustainable | Secure | Cognitive | Digital



In today's data-driven world, networks serve as the backbone of any business, enabling seamless communication, collaboration and access to critical information. As organizations advance in their digital transformation journeys, the necessity for future-ready networks has become increasingly evident. These networks must accommodate current demands and remain adaptable to the dynamic technological landscape.

At HCLTech, we are dedicated to assisting organizations build and manage future-ready

networks that empower their digital transformation endeavors. Leveraging our in-depth expertise in network technologies, coupled with our commitment to innovation in digital technologies, enables us to deliver solutions tailored to the evolving requirements of our clients. We work closely with our partners to design, implement and manage future-ready networks that are cognitive and secure. This ensures that organizations can adapt, thrive and experience accelerated growth in the digital age while remaining sustainable.

Future-ready networks are characterized by four key attributes:

Sustainable

The increasing demand for network services driven by the Internet of Things (IoT), cloud computing and data-intensive applications exerts immense pressure on existing networks. Sustainable practices are imperative to ensure that networks can efficiently handle this growing demand without compromising environmental or social responsibility. Furthermore, with the growing regulatory norms, network providers must adopt sustainable practices to adhere to these regulations and avoid potential penalties or legal challenges. According to a 2023 report by the Groupe Spécial Mobile Association (GSMA), 50 global operators have pledged to reduce their carbon footprint over the next decade, marking a significant increase from the 19 pledges that were made in 2021.

HCLTech is at the forefront of this transformation journey. Our philosophy of act, pact, impact fueled with HCLTech EcoSustain™ is supercharging ESG-led growth for enterprises. We collaborate with organizations delivering sustainability outcomes in their products and operations, enhancing their customer value propositions through carbon-efficient solutions while also generating significant savings in material and energy costs. Our sustainability engineering portfolio offers comprehensive services across the value chain, including sustainable operations and supply chains, sustainable IT, sustainable finance and sustainable products.

Analyst Recognitions

Leader in IT Sustainability Service Providers 2023 in Forester Wave™ Assessment

Leader in all eight quadrants of ISG Provider Lens™ – Sustainability and ESG 2023 Assessment

Leader in Tech-enabled Sustainability Services in Avasant RadarView Assessment

3

Sustainability awards won by Net Zero Intelligent Operations solution (NIO)

25K+

Sustainability practitioners

\$20M+

committed to sustainability investments

Case Studies



HCLTech creates a greener future with a leading multinational bank



Transforming MOCVD systems with innovative product development for an OEM manufacturer

Secure

With the proliferation of cyber threats and heightened emphasis on trust, data privacy, data sovereignty and compliance, network security becomes paramount. Furthermore, enterprises face increased exposure since their network perimeters expand and blur with hybrid work, hybrid and multiple cloud and IoT. Future-ready networks prioritize security, incorporating robust encryption

protocols, advanced threat detection mechanisms and continuous monitoring capabilities to safeguard sensitive data and protect against cyberattacks. Our cybersecurity services provide a solid foundation for digital enterprises. Our proven framework utilizes the best technologies – focusing on people, process and culture – to ensure an adaptive and evolving security posture for your business.

Analyst Recognitions

HCLTech positioned as a Leader in ISG Provider Lens™ Cybersecurity – Solutions and Services – Strategic Security Services U.S., U.K., Nordics – 2023

HCLTech positioned as a Leader in Everest Group's Managed Detection and Response Services PEAK Matrix® Assessment 2023

25+

Years of mature security practice

6

Cybersecurity Fusion centers and 50+ global delivery centers

600+

Active engagements

Case Studies



Enhanced digital identity security without compromising user experience for a global finance and insurance corporation



Facilitated cloud migration with enhanced security posture, business agility and resilience for a global financial service provider



Cognitive

Powered by AI, ML, data, automation and orchestration, these networks possess the ability to learn, adapt and optimize themselves in real-time. This facilitates proactive problem-solving, predictive maintenance and automated decision-making, ultimately improving network performance and reducing downtime. Gartner predicts in its 'State of I/O Automation 2022' that 85% of network operations will be automated by 2025, highlighting the increasing role of AI in network management. We facilitate enterprises to identify AI opportunities, develop strategies and create roadmaps for implementing AI solutions. From GenAI and automation to quantum computing and 5G, we are at

the forefront of technology cycles, ensuring our clients make the right business choices at the right time. Our full technology stack gives us the capability to unlock the best value of GenAI for our clients. With our core engineering capabilities and decades of experience in AI, our approach to GenAI remains grounded in reality, focusing on secure and responsible deployment while maximizing practical benefits.

We are working in partnership with technology innovators like Microsoft, Google, Intel, AWS, IBM/Red Hat and Nvidia to rapidly implement, scale and capture value from Gen AI investments.

300+

AI clients across US, Europe and Asia

23

Awards and recognitions

12

Years of experience in AI-led R&D

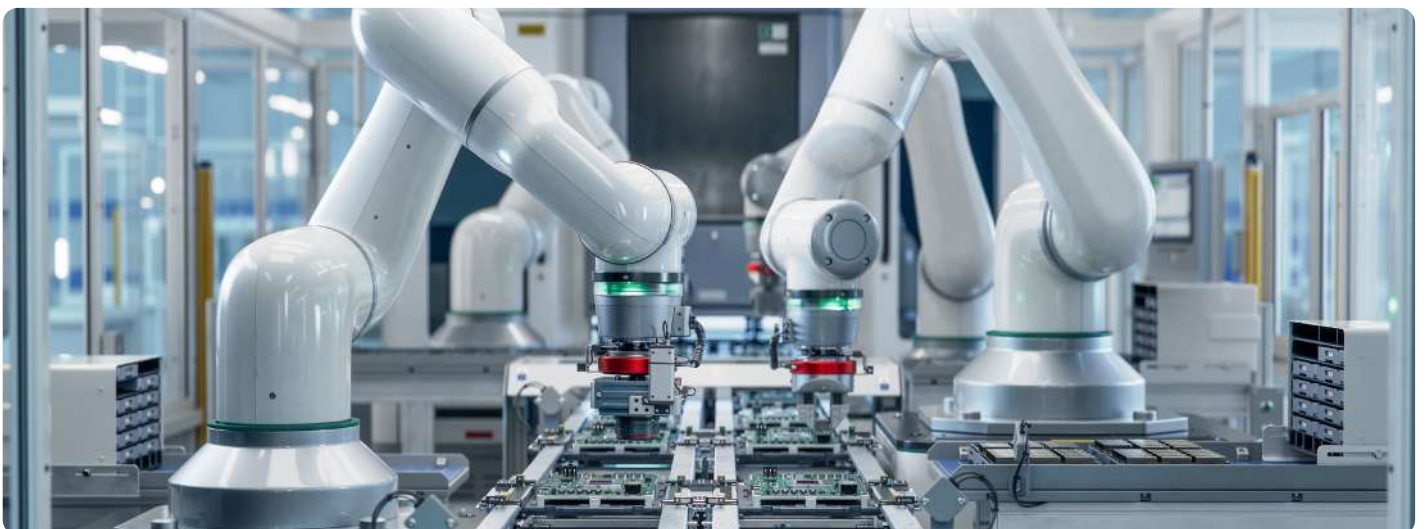
Case Studies



Maximized automation using AI and ML boosts operational efficiency for a telco



Delivering award-winning customer service experience for a Fortune 100 telecom services provider using IoT



Digital

The ascendancy of 'Digital' emerges as a pivotal trend shaping the future landscape of communication providers, underscored by the convergence of cloud-first telecommunications, Industry 4.0, IoT, fintech services, multicloud environments, and smart retail stores. This digital revolution signifies a transformative phase wherein companies reimagine their operational frameworks, leveraging advanced technologies to foster agility, innovation, and unparalleled connectivity.

- A cloud-first approach empowers telcos with scalability, flexibility, and innovative service delivery models
- Concurrently, the integration of Industry 4.0, IoT, and fintech services propels these companies into realms of predictive maintenance, personalized experiences, and innovative financial solutions
- Embracing a multicloud environment fortifies resilience, while smart retail stores harness IoT to create immersive, tech-driven customer experiences

This pervasive digitalization underscores the imperative for CSPs to evolve into agile, customer-centric entities, redefining the very essence of connectivity and service provision in the digital era.

HCLTech's suite of end-to-end digital offerings provides the crucial building blocks for every enterprise adopting new technologies. From consulting to implementation, we foster synergies across three core offerings to help enterprises realize the potential of digital technology and uncover value at every step of the journey.

Digital Business

HCLTech's Digital Business Services empower organizations to merge the right next-gen technologies with business strategies to build an intelligent enterprise.

From supply chain modernization to product-aligned business model adoption, our team supports enterprises in challenging their existing ways of working, adopting new technology architectures and using data and AI to achieve operational excellence and fundamental business transformation.

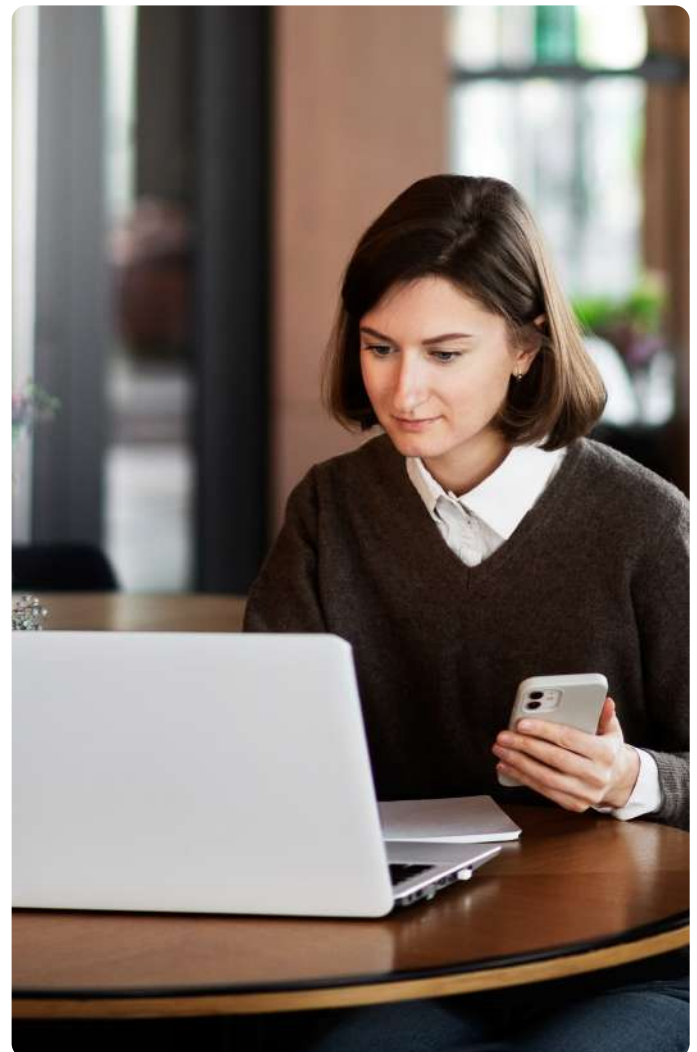
Digital Foundation

HCLTech's Digital Foundation Services assist enterprises in building resiliency while enabling them to transform their businesses for future growth. We help design, run and manage a strong foundation that serves as a bedrock of business and technology transformation.

Digital Process Operations

HCLTech's Digital Process Operations support organizations as they digitize and integrate processes to deliver maximum value across all functions, from product development, planning and sourcing to manufacturing, warehousing, logistics and services.

With broad capabilities in next-gen technologies, engineering, IT and data management, our team provides customized solutions that enable business agility, remote working, variable cost structures and client experience re-imagination.





Analyst Recognitions

HCLTech positioned as a Leader in Avasant Digital CX Services 2022-23 RadarView

HCLTech positioned as a Leader in ISG Provider Lens™ Salesforce Ecosystem Partners, 2023

200+

Leadership analyst recognitions

78

Fortune 200 clients

60+

State-of-the-art innovation labs

Case Studies



HCLTech consolidated campaign management tools across PenFed's various products and business lines to centrally manage campaigns



We implemented workflow automation and advanced analytics technology solutions for the digital transformation of a Fortune 500 tech business



We enabled eKYC experience for a German investment and financial services bank with HCLTech Metafinity

HCLTech's role in shaping future-ready networks

At HCLTech, we are committed to enabling organizations to build and manage future-ready networks that empower their digital transformation journeys. Our in-depth expertise in network technologies, coupled with our focus on innovation in digital technologies, enables us to deliver solutions

that address the evolving needs of our clients. We work closely with our partners to design, implement and manage future-ready networks that are cognitive and secure, ensuring that organizations can adapt, thrive and experience accelerated growth in the digital age while remaining sustainable.

Full-stack portfolio to deliver integrated solutions

Our comprehensive portfolio spans digital, engineering, cloud, AI and software to help clients navigate end-to-end telecom transformation.

- Over 30 years of expertise in telecom sector providing services across diversified technologies
- More than \$60M investment in labs for clients across geographies, such as 5G Lab, ORAN Lab, IoT Lab, SDN.NFV Lab, Industry 4.0 Lab and others
- Partnering with six of the nine telecom OEM and server storage enterprises
- Best-of-breed ecosystem of partners/hyperscalers
- Preferred partner of more than 50 telecom customers, top seven Fortune 500 CSPs, six of the top seven OEMs, top four handset manufacturers and top three VAS solution providers
- Established quality framework with adherence to TL9K, ISO 9001:2000 standards
- Global footprint of 210+ delivery centers and 60+ innovation labs in 60 countries

Creating impact across the telecom value chain

For a leading hi-tech OEM

- Performed open RAN interoperability testing, validation and re-certification services
- Successfully executed radio integration and system testing and radio conformance testing

For a tier-1 telecom operator

- Designed and implemented a multicloud-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 5G 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

Solution focus



Sustainability

- Sustainability in 5G
- Cognitive knowledge assistant
- Geospatial analysis and data monetization
- Edgility
- SD-WAN
- Managed LAN/WLAN
- HCLTech Intelligent Dynamic Energy Saving Solution
- HCLTech Data Center Energy Management



Secure

- Network monetization platform
- Network + secure access service edge convergence
- NOC SOC Integration
- HCLTech 4G network slicing



Cognitive

- Smart Video Analytics (SVA)
- DRYiCE NetBot
- AI-driven telco
- AI CarePro
- HCLTech Augmented Network Automation Platform
- HCLTech AI-based Cluster
- Congestion Relief (ACCR)



Digital

- 5G system integration framework
- Network aware activation
- Smart retail stores
- Platform X
- NextGen networks
- HCLTech Unified Device Management (UDM)
- HCL Digital Telco Solutions

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HCLTech is a global technology company, home to 221,000+ 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 September 2023 totaled \$12.9 billion. To learn how we can supercharge progress for you, visit hcltech.com

