

HCLTech Overview to Skoda

Sustainable | Intelligent | Personalized

April 2025



No.1 India-headquartered company in TIME magazine's list of World's Best Companies 2024

Recognized by Newsweek as one of America's Most Reliable Companies 2025

Recognized by Forbes as one of the World's Best Employers for the fifth consecutive year. Only India-headquartered company in the professional services category to be among the global top 10 for five years in a row.

Most decorated India-headquartered IT services company with No.1 rank in 21 categories in Technology IT Services & Software in 2024 Institutional Investor Research Asia Executive Team survey

Gold status from EcoVadis for HCLTech's sustainability management system quality

HCL Group Founder Shiv Nadar named "India's most generous" for the third time in five years in Hurun India Philanthropy List 2024

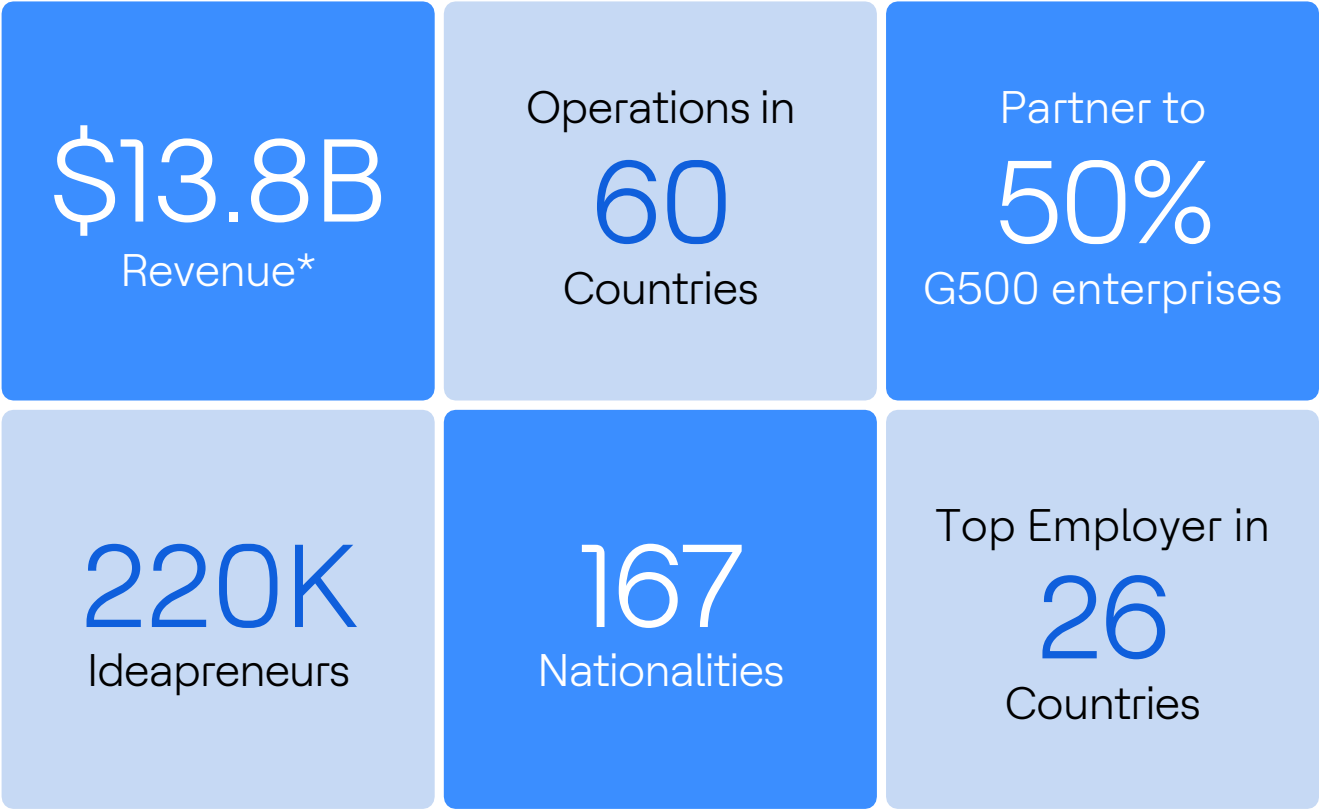
HCLTech Chairperson Roshni Nadar Malhotra conferred the Chevalier de la Légion d'Honneur, France's highest civilian award

Roshni Nadar Malhotra is the only Indian businessperson to be included in Fortune's list of 100 Most Powerful Women globally

Roshni Nadar Malhotra has been included in Forbes list of The World's Most Powerful Women

HCLTech CEO & Managing Director C Vijayakumar honored with India's Best CEO Award in the IT Services – Super Large category by Fortune India

HCLTech at a glance



*For 12 months ending December 2024

Engineering and R&D Services

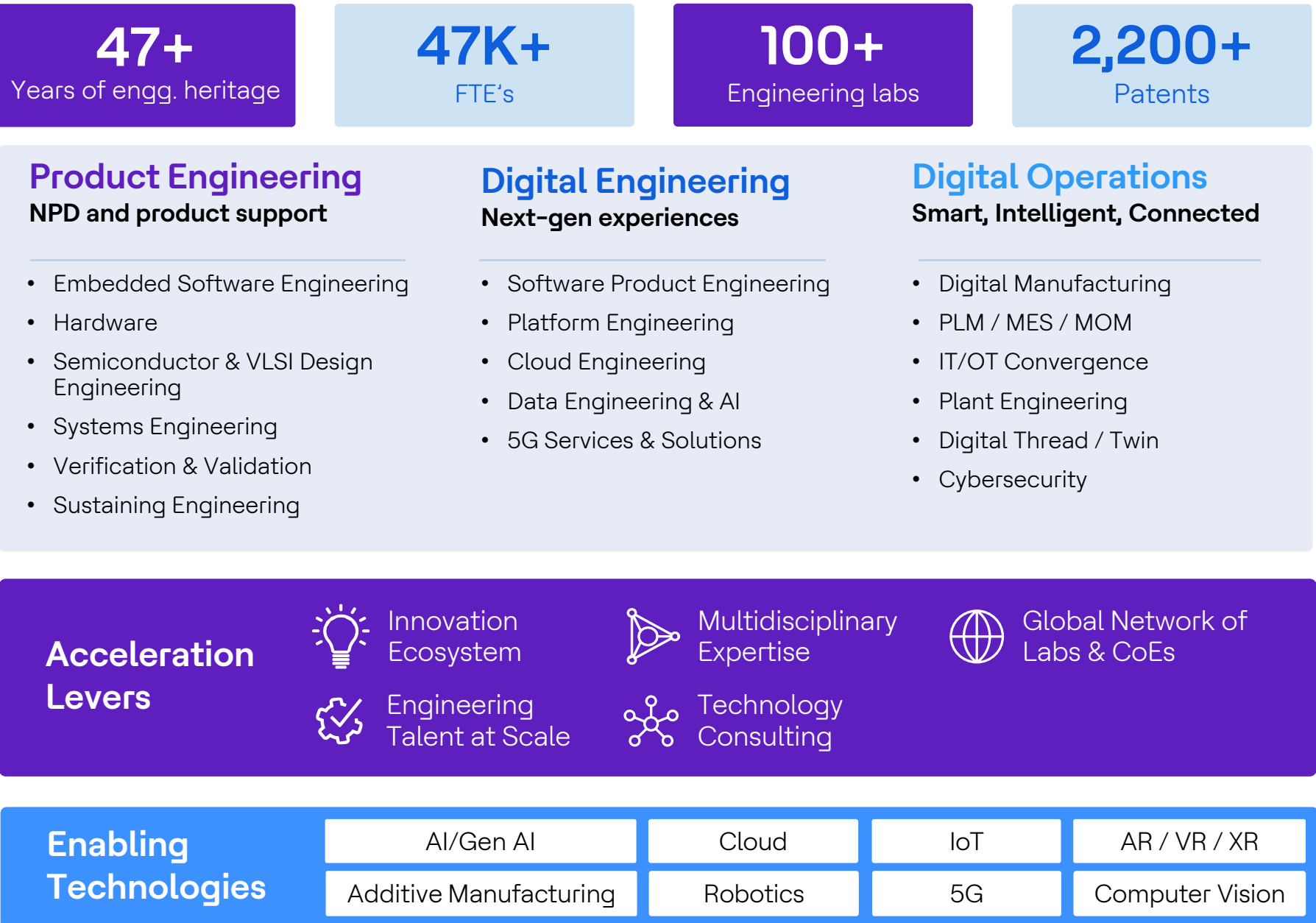
We partner with global enterprises to accelerate time-to-market of products and platforms through innovations in asset-heavy, asset-light and service-led industries

#1

in Engineering Services*



We work with 101 of the world's top 250 R&D spenders



*Everest Group's 2023 Engineering Services PEAK Matrix Provider of the Year™

Recognized as Industry's partner of choice



Leader in **ACES Automotive Engineering Services** 2023



Leader in **Engg and R&D Services Overall** 2023



Leader in **Digital Engineering Services** 2023



Supercharging Progress[®]

#1 Engineering Services Provider

Everest Group's 2023 Engineering Services PEAK Matrix Provider of the Year Awards





Leader in **Software Product Engineering Services** 2024



Revenue Leader in **cPDM and overall PLM Services** category



Leader in **Software Engineering Services** 2023

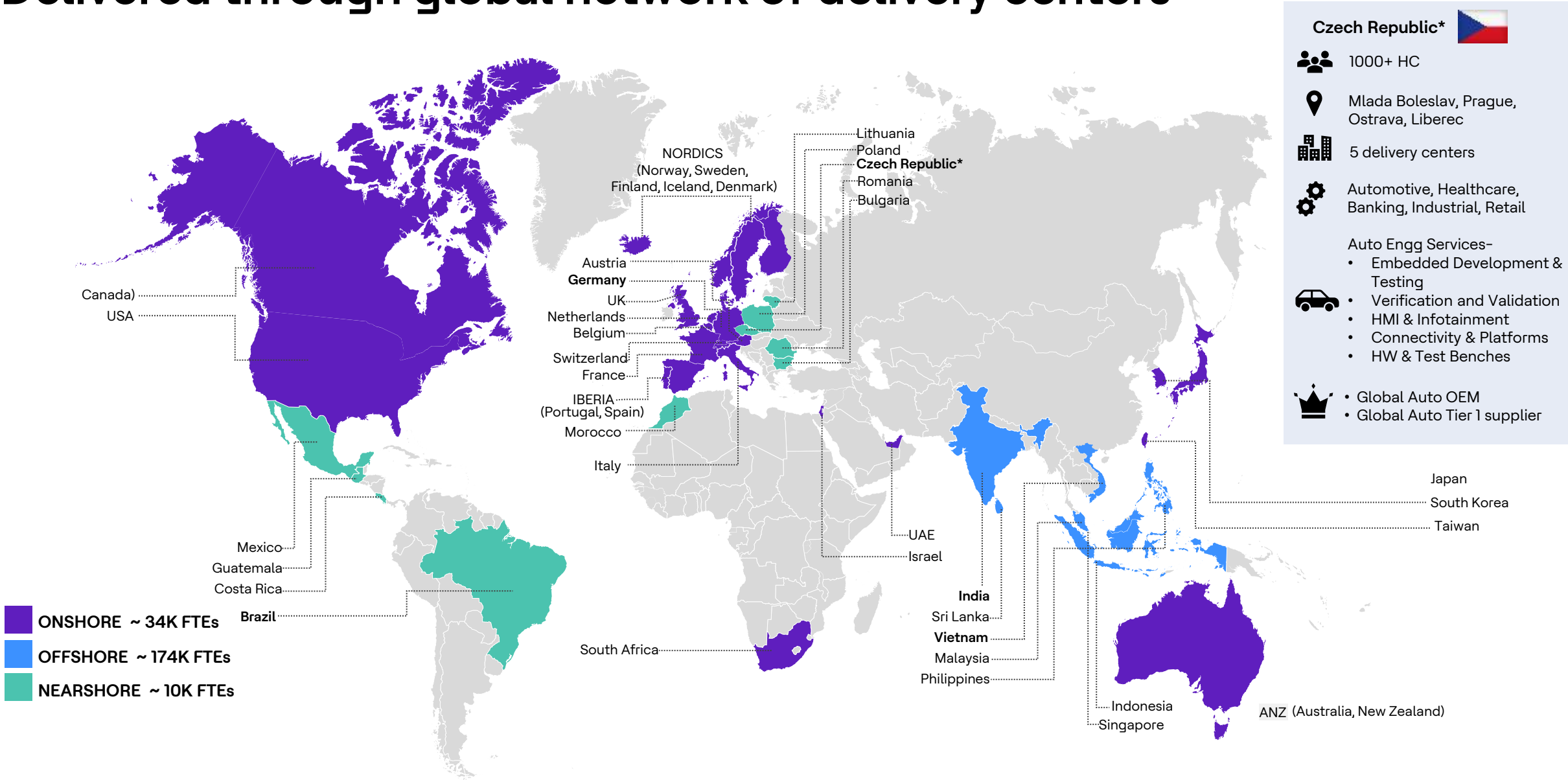


Leader in **5G Engineering Services** 2023



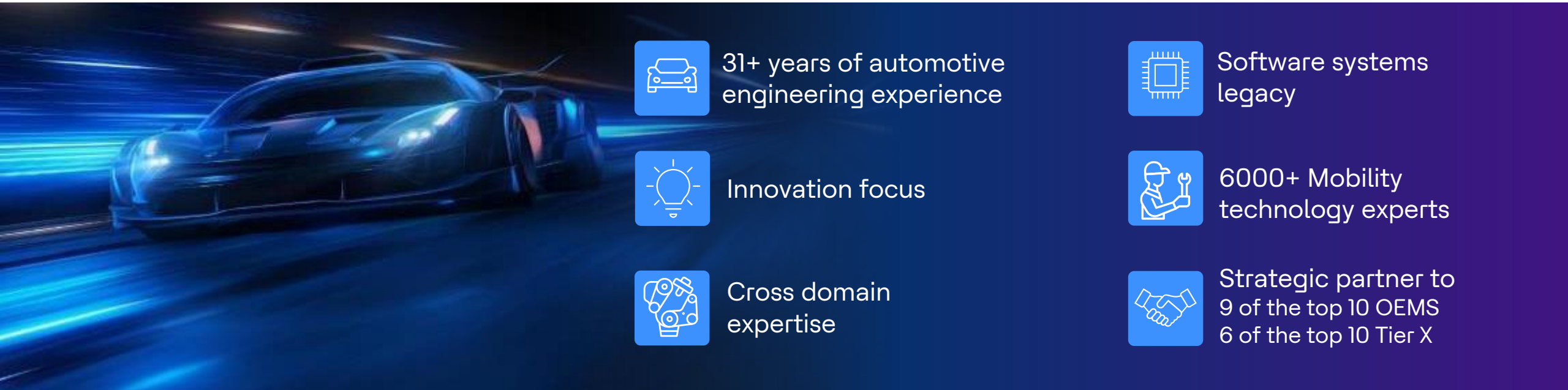
Leader in **AVASANT AR/VR/XR Services** 2023

Delivered through global network of delivery centers

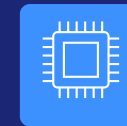


HCLTech Automotive

An end-to-end **engineering technology development and integration partner**, from **chip to cloud**, supercharging automotive enterprises in their journey to the future of mobility.



31+ years of automotive engineering experience



Software systems legacy



Innovation focus



6000+ Mobility technology experts



Cross domain expertise



Strategic partner to
9 of the top 10 OEMs
6 of the top 10 Tier X

1 Chip-to-cloud capabilities

2 Digital technologies

3 Investments into infrastructure, labs, solutions & COEs

4 Ecosystem integration

5 Innovative business models

Trends shaping the automotive industry and impacting our business

Alternate Propulsion / Electrification / ICE to EV

SDV

Evolving Architectures

Connected Mobility

Autonomous

Our Automotive business and technology roadmap

“Our vision is to be the partner of choice for all automotive technologies in, around and outside the vehicle “

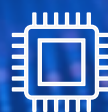
Service portfolio we are investing in



Consulting



Vehicle Engineering



Electricals / Electronics



Software



Test & Integration

Technologies we are incubating

AI/ML GenAI powered products & processes

Solutions that can bring automation especially in Test & Integration

Building the infrastructure required for more agile way of automotive software development

Digital platform technologies

Cloud engineering

Our GEO based strategy

Major key markets



Germany



US



Sweden



Japan



France



India



Czech

BCC locations



Mexico



Brazil



Vietnam

Automotive Service Offerings

1. Consulting services

- Consulting and services
- Quality
- Communications

2. Product Development

- New Product Design & Dev., Face-lifting, CAD/CAE
- Engineering Change Management / VAVE
- Systems, hardware, firmware, mechanical & semiconductor engg

3. Software

- Function development
- PMT
- Virtual validation
- Modeling & simulations

4. Electrical & Electronics

- HIL/SIL test systems
- Testing & integration
- Wiring harness

5. Mfg. Engg & Operations

- Process Planning & Line optimization
- Industrial & Mfg. Engg.
- Plant Automation & Robotics
- Mfg. Information Management

6. Vehicle engineering

- Life cycle management
- Test vehicle work floor
- Drive testing

10. Aftermarket (In-Service)

- Technical Documentation & Publication
- Repair Engineering & Field Services
- Product Sustenance & Obsolescence Management

9. E-Mobility test centers

- Component testing
- Life cycle testing
- Functional validation
- Measurement/application

8. Testing & Certification

- Turnkey testing and certification
- Test lab set up and operations
- Cyber Security
- Conformance Services

7. Digital Engineering

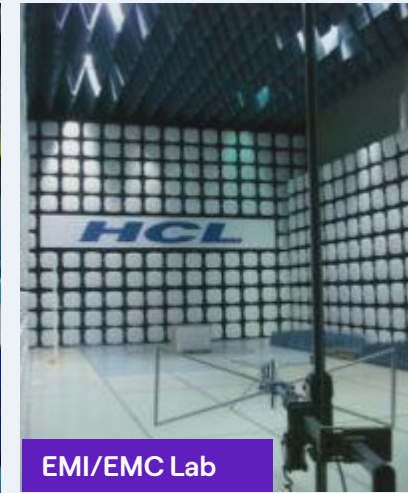
- Digital Platform Development
- App Development
- Data Engg, GenAI, Analytics
- CloudOps / AppOps
- 5G/Connected

**400+ Production Programs
across various domains**

Engineering IT/PLM/ALM

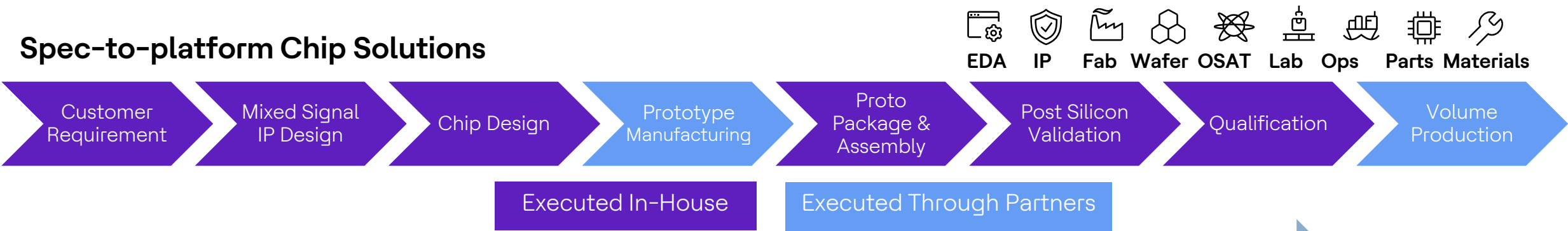
MFG. IT/Industry 4.0

Leveraging \$110+Mn Investments into Labs for Automotive Engineering

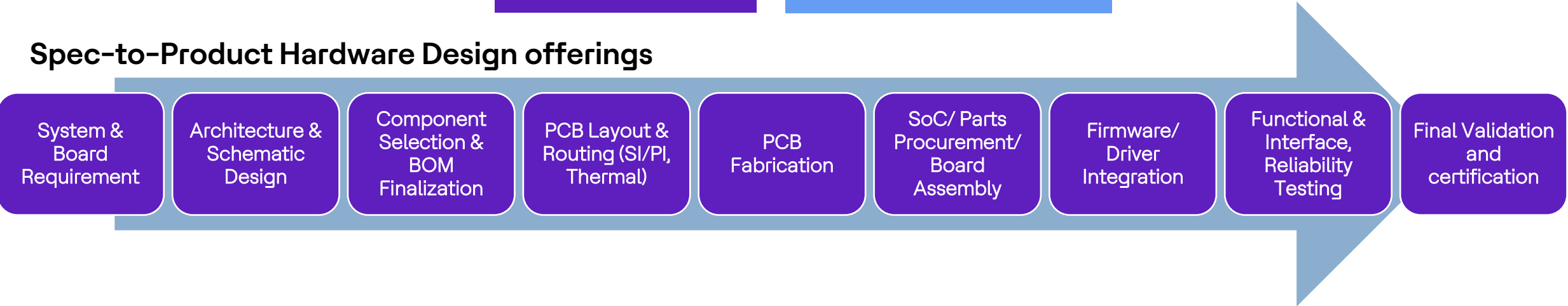


Chip Engineering Solutions

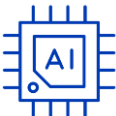
Spec-to-platform Chip Solutions



Spec-to-Product Hardware Design offerings



Supercharging Innovation With AI Enabled Custom Solutions



Progenix- AI Assisted Chip Design

RISC V and ARM based Platforms enabling reduced BOM and risk



Firmware & Application Software Development


















Supply Chain Security
Partnerships Across Semiconductor Ecosystem



AECQ100/ ISO26262 Functional Safety Compliance

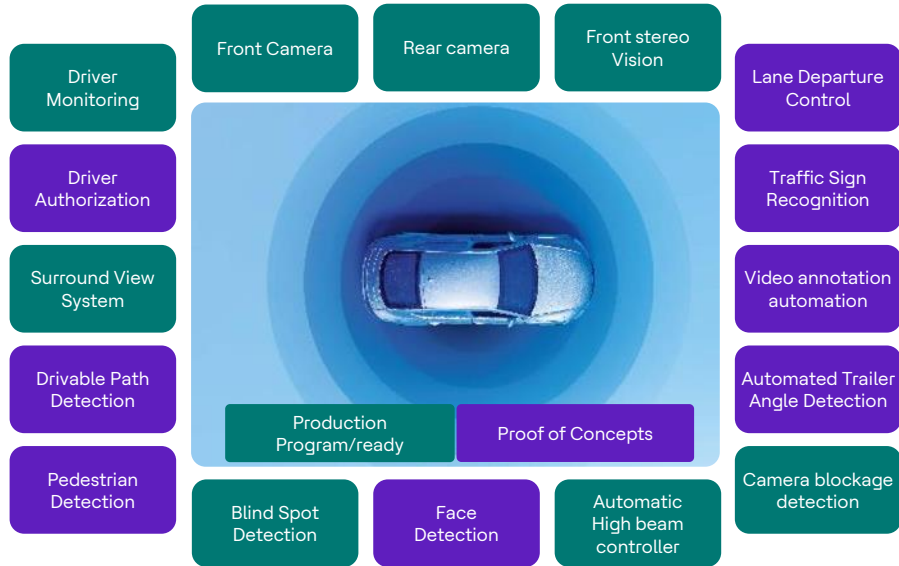
AI / GenAI Solutions



 AI Force	 AI Foundry	 AI Labs	 AI and GenAI Engineering	Product AI & Industrial AI
Service transformation	Value stream innovation			
 Efficiency in IT and business processes	 Modernized data and AI-stack	 Journey to value realization	 Semiconductor engineering	 A set of AI & Gen AI powered solutions to address specific industry challenges
 Accelerating build and modernization	 Run cognitive infrastructure	 Ideation to MVP	 Hardware engineering	
	 Dealing with distributed data			
	 Building data-driven applications			

ADAS, Infotainment & Connectivity Solutions

ADAS



Hardware Development

- Hardware Architecture
- Board Design
- VLSI/FPGA
- Reliability
- PCB Design
- LVM PCB Fabrication, EMI/EMC, Assembly
- Board V&V

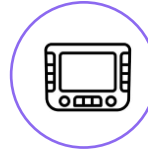
Software Development

- Application SW Development
- BSP development
- Image Algorithm Development
- AUTOSAR and ISO 26262 Compliance
- Video Logging and Data labelling
- Software V&V

Mechanical Development

- Industrial Design
- Packaging, Bracket design
- Tolerance Stack Up
- Thermal and Reliability Analysis
- Mechanical QC

Infotainment & Connectivity



IVI & HMI Capability

Digital Cockpit development, Infotainment functions, middleware and HMI development helps elevate customer experience inside vehicle



Connected Services & Features

Comprehensive services from H/W Design to "Edge-to-cloud" leveraging HCLTech's accelerators and Ips like PICASSO, Digital Key for Car, Electric Vehicle Services Management (EVSM), Remote programming & Over the Air Updates (FOTA & SOTA) and Diagnostics, DXA etc.



Telematics

E2E customized TCU development (System, HW, SW, Safety, Product integration and Pre compliance).



In-Car Connectivity Communication & Security

Expertise in telecom domain (5G), strong carrier relationships, in-depth knowledge of connected services suite of features.



Mobile Applications

Comprehensive suite of services from mobile app design & development to integration with vehicle systems and cloud platforms, ensuring seamless connectivity and stake-holder curated view.

Ecosystems for breakthrough innovation

As an ecosystem orchestrator, we provide our clients curated, best-in-class components from a network of technology partners and innovators — platform, product, cloud and SaaS leaders.

- Google Cloud Partner of the Year Award for Global Talent Development, Industry Solution Services in Telecom & Cloud Migration Specialization, 2024
- Microsoft Dynamics 365 Services Partner of the Year 2024
- AWS: Winner in GenAI Prospecting League – APAC, 2024
- Dell Technologies: Global Alliances Partner of the Year and Engagement Partner of the Year in EMEA, 2024
- SAP Pinnacle Award 2024 in Social Impact Category
- Intel Epic Distinguished and Outstanding Supplier Award, 2024
- Cisco-powered validated service for Catalyst SD-WAN, Meraki Access, 2024
- HPE Hybrid Cloud Partner of the Year, 2024



Strategic Partner Ecosystems

Cloud Ecosystem



Digital Platforms



Data and Analytics



Startup Ecosystem



Unique and innovative ecosystem comprising startups, VCs and trade missions from across the globe.

Industry Ecosystem



The World Economic Forum (WEF), The OpenGroup, Cloud Native Computing Foundation (CNCF) and CloudFoundry Foundation, among others.

How Skoda & VW Group Benefit from HCLTech Partnership

Experience

25+ years of collaboration with Skoda & VW group with over three decades of Automotive engineering expertise



Cross-industry

Leveraging best practices from across diverse industry verticals to deliver unique solutions



Investments

Strategic Investments in Labs, Solution Accelerators and CoEs in Strategic Geographies



Partnerships

Systematically orchestrated partnership ecosystems to create special value and innovate for the future



Geo Balancing

Frontloaded Savings through right mix of Onsite, Nearshore and Offshore Geo Balancing. Local presence in Germany, Czech & India

Skoda & VW Group Domain Knowledge



In-depth knowledge of VW group systems, processes & organization through ASAP as a Local Partner

Capabilities & Global Reach

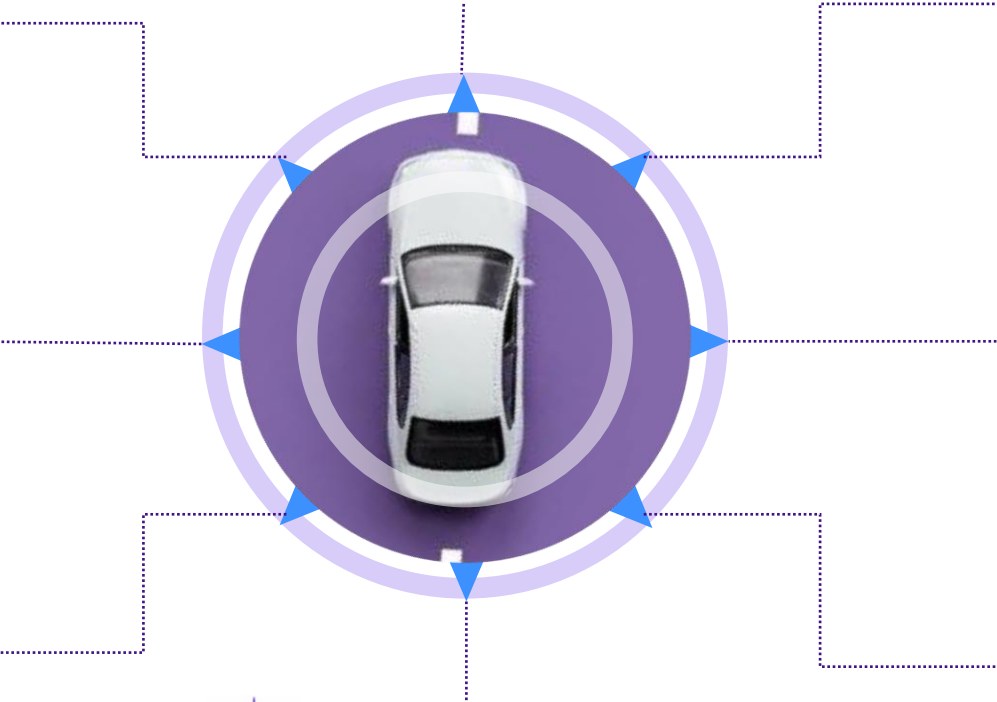


Global Operations & Scalability through HCLTech with end-to-end vehicle development capabilities

Business Model



Innovative Commercial Models and committed % savings through Solution Accelerators



HCLTech | Supercharging
Progress™

hcltech.com