ID

INVESTOR DAY

NXT.NOW™

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Tech Mahindra

# ENGINEERING YOUR NXT.NOW

**Sanyasi Rao Upadhyayula (USR)**

**Accelerating outcomes** from **existing engineering initiatives** and investments of customers by applying levers of efficiency, rigor, and productivity

**Partnering** with customers in bringing new engineering products and IP to the market to **create competitive advantage and differentiation**

**Driving transformation in enterprise business models** in alignment with dynamic market requirements, while traversing toward a sustainable future

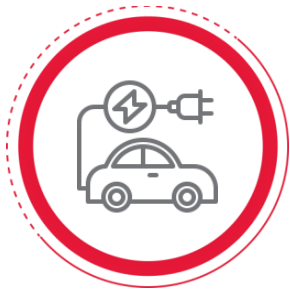# Integrated Engineering … we have come a long way

**Vehicle Engineering
for recently launched SUV**

**Designed center fuselage for
Commercial aircraft**

**Pneumatic & Hydraulic Valves,
Cylinders & Actuation Systems
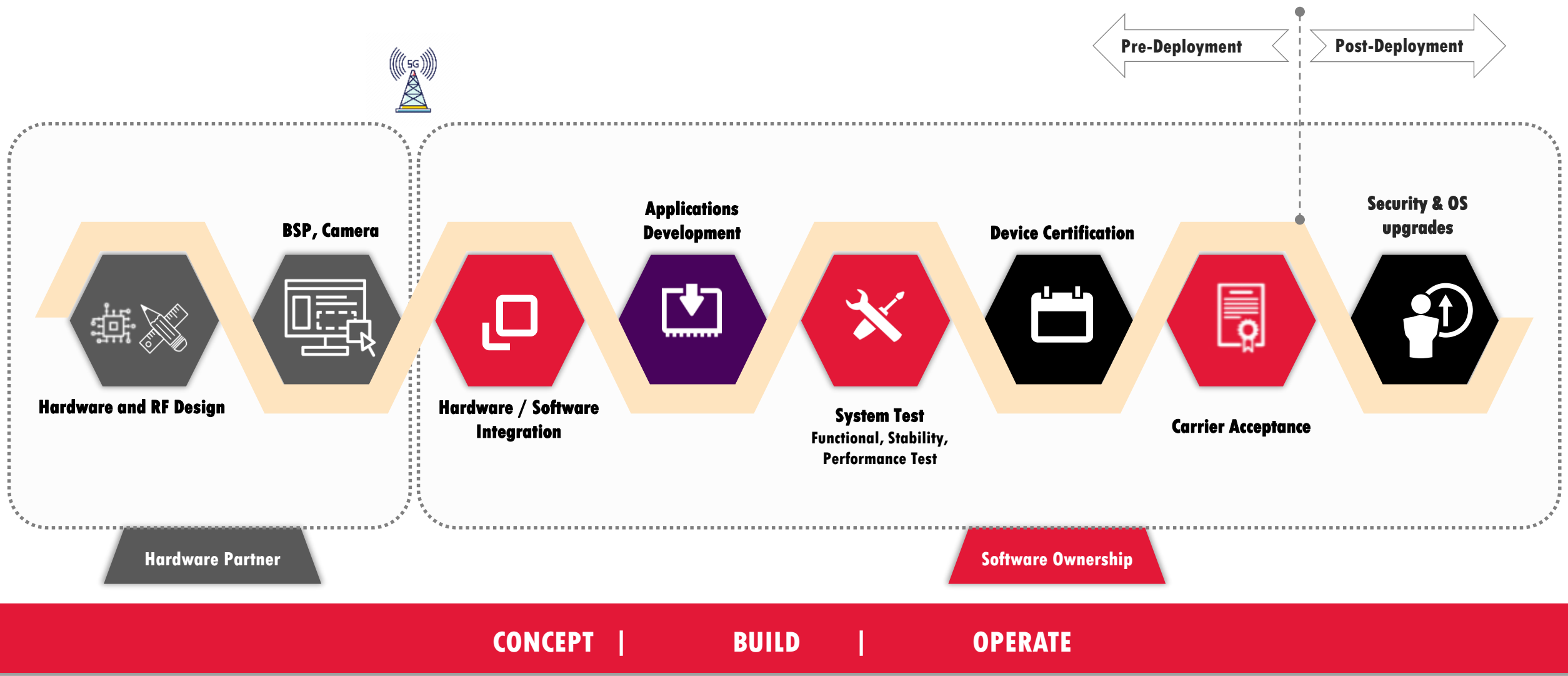Engineering**

**E2E Electric Vehicle Design and
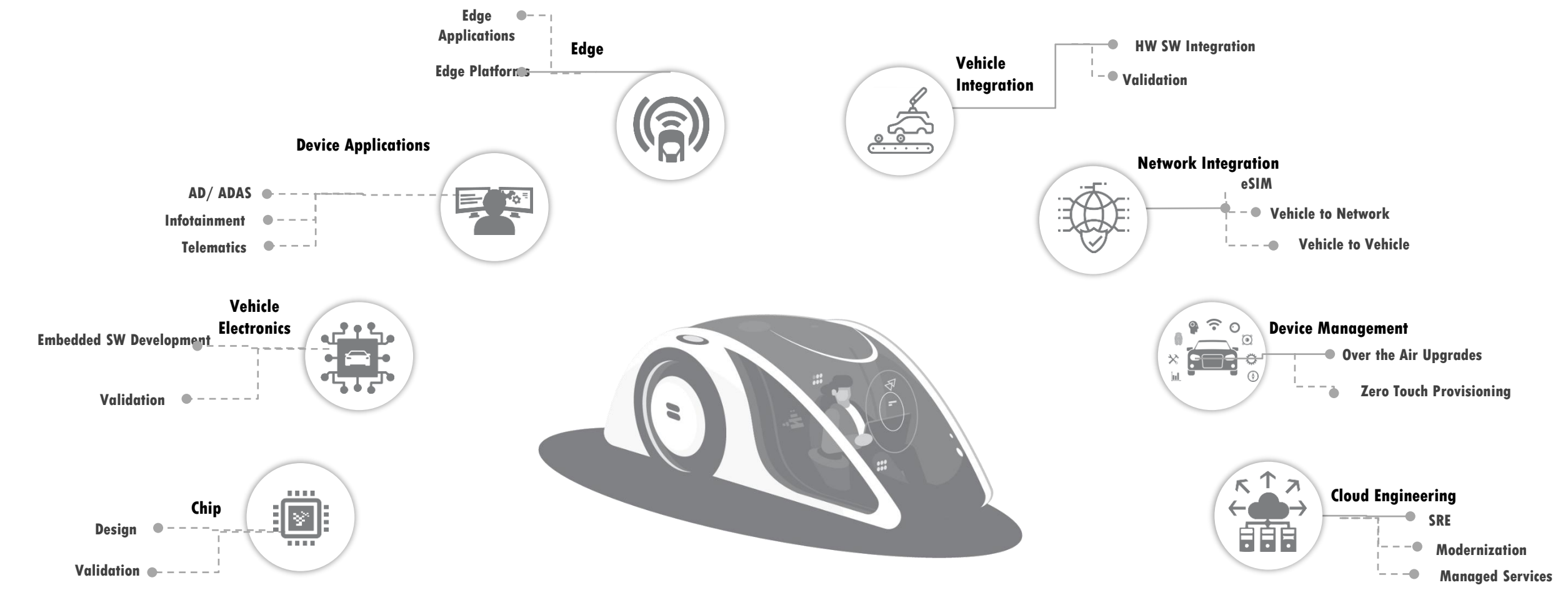Development**

**Aircrafts Health monitoring**

**Industry 4.0 consultancy and
factory automation implementation**

# The Future we see… 5G Smartphone



Pre-Deployment | Post-Deployment

**BSP, Camera**

**Applications Development**

**Device Certification**

**Security & OS upgrades**

**Hardware and RF Design**

**Hardware / Software Integration**

**System Test**
Functional, Stability, Performance Test

**Carrier Acceptance**

**Hardware Partner**

**Software Ownership**

**CONCEPT | BUILD | OPERATE**

# The Future we see… end to end EV Autonomous



**Edge Applications**
**Edge Platforms**
**Edge**

**Vehicle Integration**
- HW SW Integration
- Validation

**Device Applications**
- AD/ ADAS
- Infotainment
- Telematics

**Network Integration**
- eSIM
- Vehicle to Network
- Vehicle to Vehicle

**Vehicle Electronics**
- Embedded SW Development
- Validation

**Device Management**
- Over the Air Upgrades
- Zero Touch Provisioning

**Chip**
- Design
- Validation

**Cloud Engineering**
- SRE
- Modernization
- Managed Services

**Chip to Styling to Production**

# Integrated Engineering Services in a Nutshell

**25+**
Years of Engineering Expertise

**350+**
active global customer base

**50+**
Dedicated Engineering Centers

Delivery Centers across
**12**
countries

**$2Bn+**
savings in Value Engineering

**250+**
Global Patents

## Analysts Voice

**zinnov**

**Everest Group**®

**AVASANT**
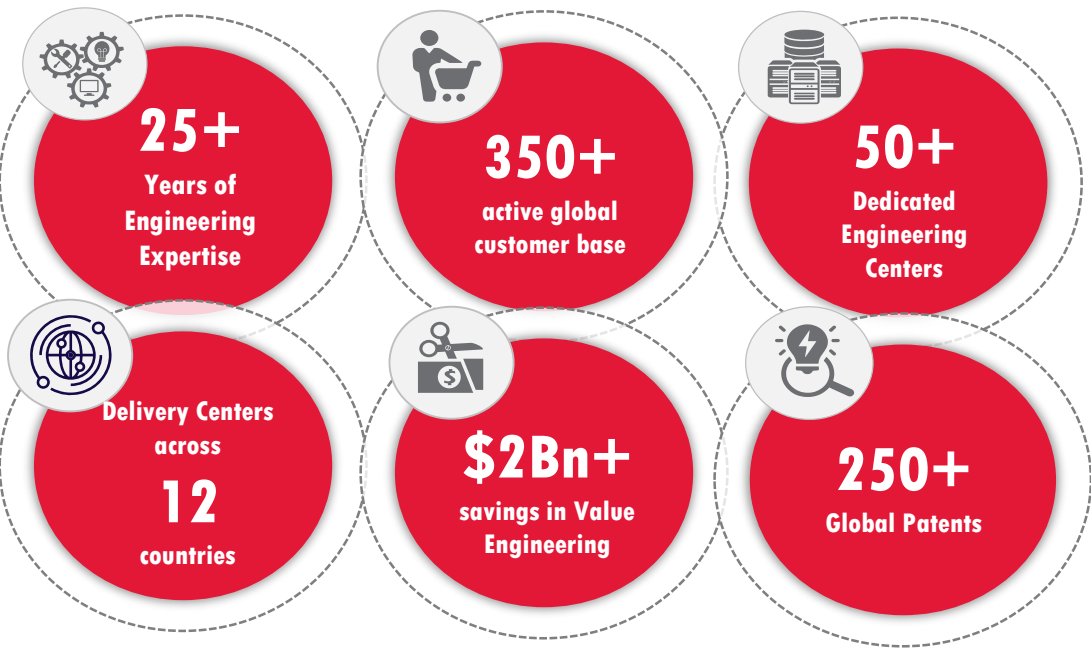
- **Leader in Zinnov Zones ER&D 2021 across all & verticals –  Industrial, Auto, Telecom, Medical, Hi-Tech, Aero & OTT**
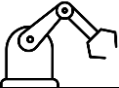
- **Leader in PEAK Matrix® Assessment for 5G Engineering Services 2021**

- **Leader in PEAK Matrix® Assessment for Software Product Engineering Services 2021**

- **Innovator in High-Tech Digital Services 2021-2022 RadarView™ report**

# Trends & Growth Bets

| AUTO ELECTRONICS | INDUSTRY 4.0 | TELECOM ENGINEERING |
|---|---|---|
| • **PACE – Personalized, Connected, Autonomous and Electrification**<br>•<br><br>   • **Developing assets in ADAS & Autonomous**<br>   • **Building competencies in Electric Drive trains** | • **Smart Factories - Visual Inspection, IT-OT Integration, Digital Twin, Condition based Monitoring**<br><br>   • **Factory automation**<br>   • **CoE for AR-VR**<br>   • **Semicon, and IOT partnerships** | • 5G Devices, Open RAN, and Cloud Native<br><br>   • **40% revenue is from 5G Engineering**<br>   • **5G ready global certification labs**<br>   • **ORAN ecosystem lab**<br>   • **3GPP and ORAN** |

**Global corporate ER&D spend is in excess of $1.4T growing at 7% CAGR – 30% of ER&D is Digital Engineering growing @ 19% CAGR (Zinnov)**

# Investment in Solutions & Accelerators

**5G Device Test Lab, Fremont**

**Product Engineering Lab, Bangalore**

**Industrial Factory of Future Lab, Bangalore**

**Cognitive Solutions Lab with IBM, Munich**

**AR/VR Lab, Bangalore**

## IP & Solutions led services for faster time-to-market

### 50+ Solutions | 25+ Tools | 10+ Frameworks

| iTAS Automation Tool | ADOPT DevOps Tool Chain | Messaging for 5G Smart Phones | Zero Touch Provisioning for 5G Devices | Unified Management System for 5G Networks | Packet Core for Private Networks | Connect Health Platform | Connect Agri Platform |
|---|---|---|---|---|---|---|---|
| | | Connect Transportation Platform | Asset Tracking Platform | Digital Maturity Assessment Framework | | | |

# CHIP to CLOUD - Full Spectrum of Offerings

## SERVICE LINES

Styling & Design

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Chip (ASIC & FPGA) Design

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Embedded Software Engineering

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Software Products & Platforms Engineering

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PLM, Mfg. Engg., Supply chain

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Connected, Intelligent & Experience
(Industry 4.0, AI, AR/VR)

--------------------------------------------------

Consulting

**DESIGN**

**CLASSICAL ENGINEERING**

**DIGITAL ENGINEERING**

**ACROSS INDUSTRIES**

Industrial          Automotive          Telecom          Healthcare          Hi-Tech          A&D