

Accelerating Tomorrow's Innovations

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We Are at the Heart of the Digital Revolution

ACCELERATING INNOVATION TO CONNECT AND SECURE THE WORLD

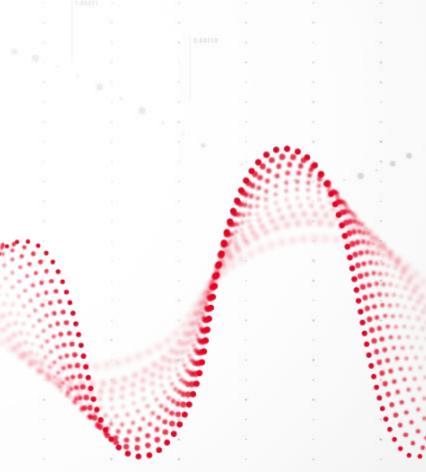




We are Committed to Accelerating Your Innovation

KEYSIGHT LEADERSHIP MODEL FOR CUSTOMER SUCCESS







And Enabling Your Success



Shifted to software-centric solutions



Reorganized around end markets



Amplified investment in **R&D**



Made strategic acquisitions

THE RESULT: FIRST-TO-MARKET SOLUTIONS, WORKFLOWS, AND SERVICES FOR EVERY STEP IN YOUR LIFECYCLE



The 5G Race Is On...

AROUND THE WORLD

Deployments are accelerating

More mobile operators launching 5G networks to capture new business models

Standards are evolving

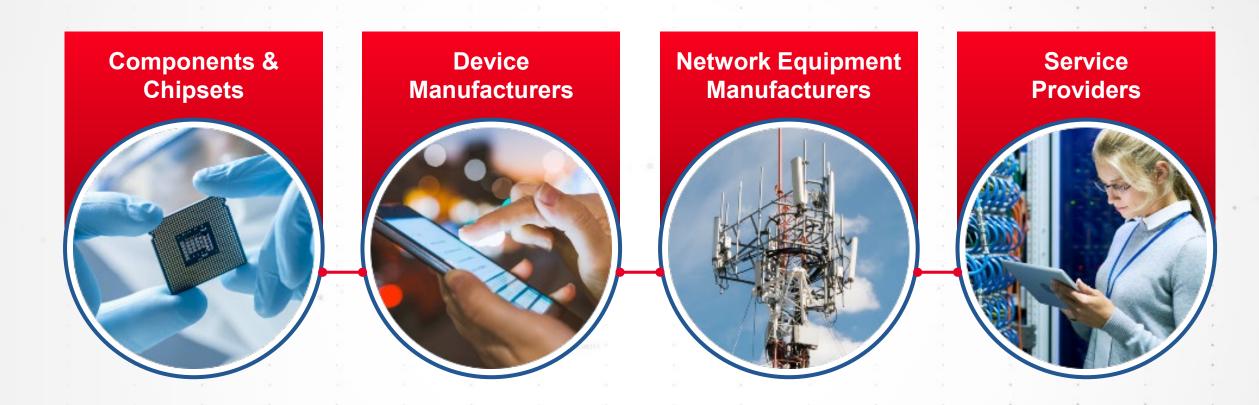
New use cases driving new standards evolution

Technical complexity is high

Diversity driven by multiple regional ecosystems progressing in parallel



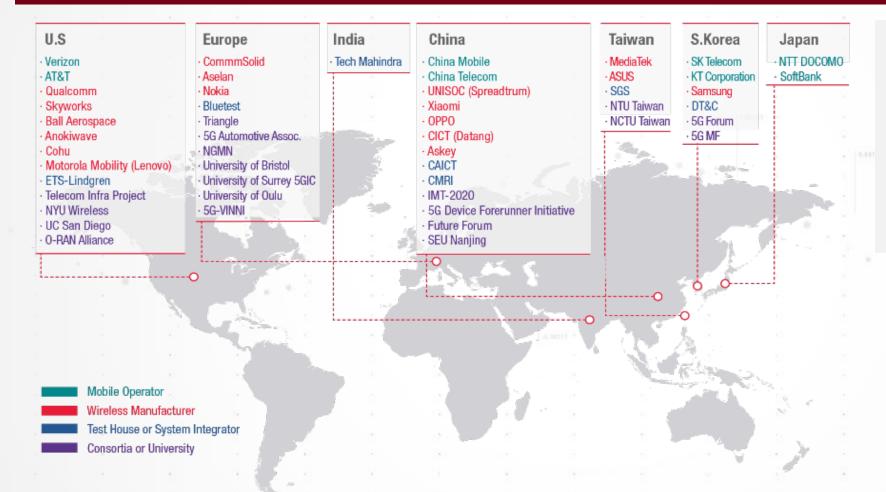
We Engage Across the Entire Ecosystem





We Collaborate Around The World

ACCELERATING 5G COMMERCIALIZATION



- Engaged early with 5G industry leaders across the connected ecosystem
- Delivered end-to-end 5G solutions to accelerate workflow





THE CHALLENGE

First-to-market 5G modem chipset design validation required network emulation capability that didn't exist

THE SOLUTION

Over-the-air test solution and chamber capable of validating 5G performance at mm-wave frequencies

THE RESULTS

Measured OTA at 28GHz

Number of aggregated 100MHz carriers:

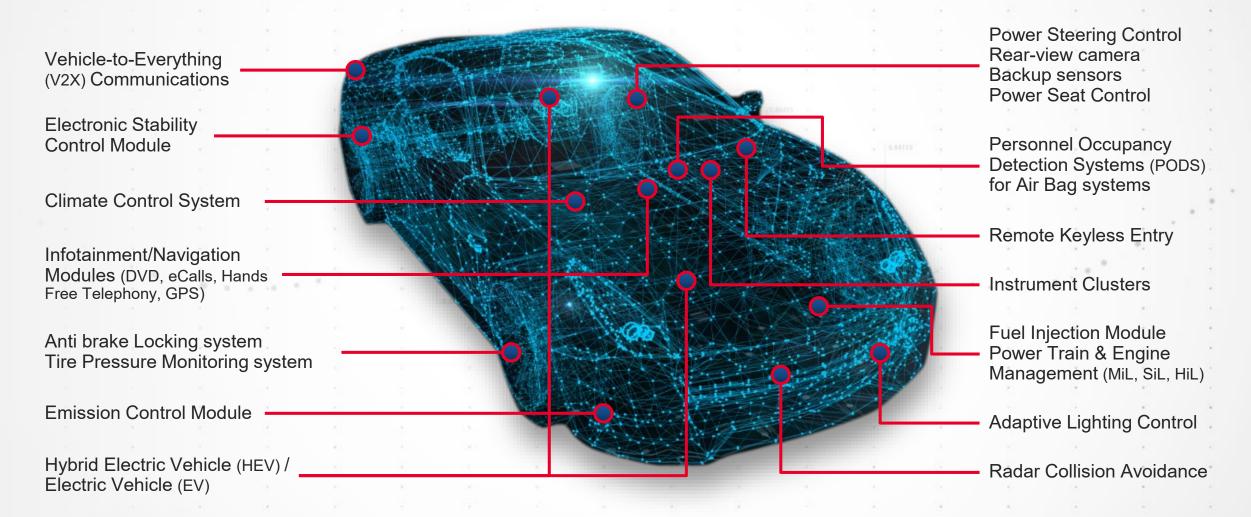
Demonstrated throughput of 4+ Gbps

Global Semiconductor and Telecommunications **Equipment Company**

Case Study

The Future of the Automobile is Here

INNOVATIONS THROUGH MULTIPLE TECHNOLOGY DOMAINS





Automotive Technology Requirements Keep Advancing

MORE ELECTRONICS, MORE EFFICIENCY, MORE CONNECTIVITY, MORE AUTONOMY



- More systems
- Better diagnostics
- Automotive Ethernet



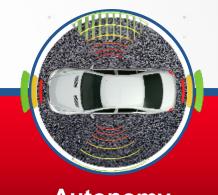
E-Mobility

- More eco-friendly
- Higher density
- Longer range



Connectivity

- More infotainment
- Better safety
- Easier navigation



- Autonomy
- More sensors
- Driver vision
- Electro-mechanical



We Drive for First-to-Market Solutions in Automotive

INDUSTRY'S BROADEST AND MOST RELIABLE SOLUTIONS PORTFOLIO

Autonomous Driving Test



77 / 79GHz with 4GHz BW Signal Generation and Analysis

Radar Testing

EV and Battery Test



Battery Test



Charging

Connected Car Test



Fast, accurate, and scalable Cellular and Wireless Connectivity Test

Automotive Wireless, DSRC, V2X



Rapid testing of automotive network devices

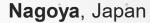
Automotive Ethernet



We Bring Experts Close to You

AUTOMOTIVE MEASUREMENT CENTERS AROUND THE WORLD







Shanghai International Automobile City (SIAC)



Boeblingen, Germany













THE CHALLENGE

Car manufacturer needed to upgrade older CAN network test to Ethernet IEEE AVB test in order to reduce BOM

THE SOLUTION

Keysight L1 test suite plus lxia automotive IEEE testing suite (L2-7)

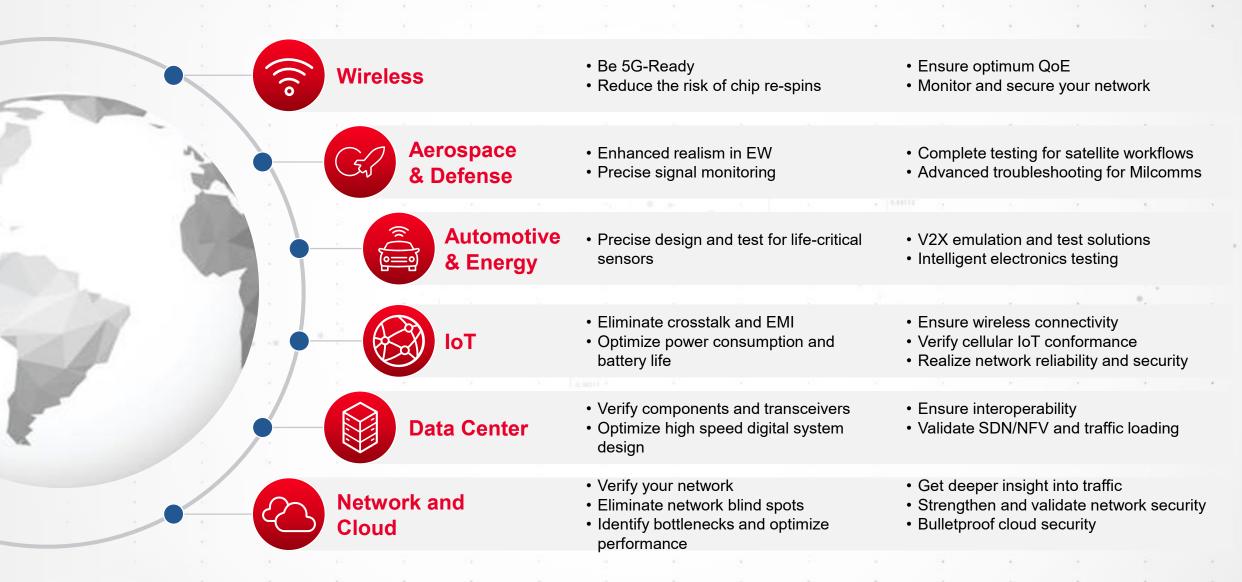


Layers 1-7 end-to-end test made testing **faster**





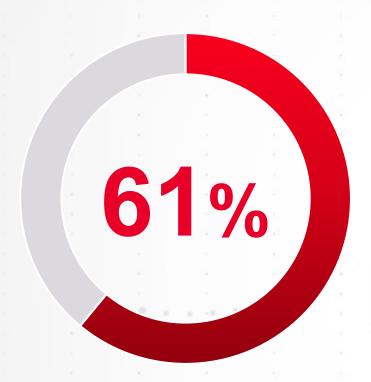
We Partner With You Across Industries



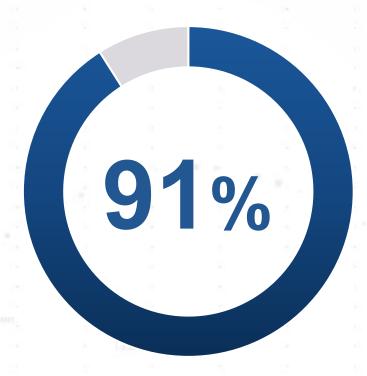




Silo'ed Toolsets are Biggest Contributors to Project Delays



Engineers use 5+ design tools



Engineers use 3+ test tools



2+ hours fixing tools & software integration gaps





The PathWave Platform

