

# When will AV's get here?

*-- A coffee chat with RTI --*

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Bob Leigh, Senior Director of Market Development, Autonomous Systems

Rajive Joshi, Principal Solution Architect

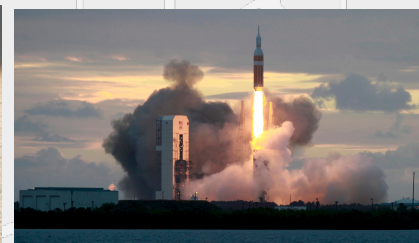
Neil Puthuff, Senior Software Integration Engineer

# RTI Overview

RTI is the largest IIoT connectivity software vendor

- Focus on autonomous systems
- 1500+ designs, many real-world programs across industries
- 600+ research programs

HQs in Silicon Valley and Spain with worldwide offices



# 200+ RTI Autonomous Vehicle Programs!

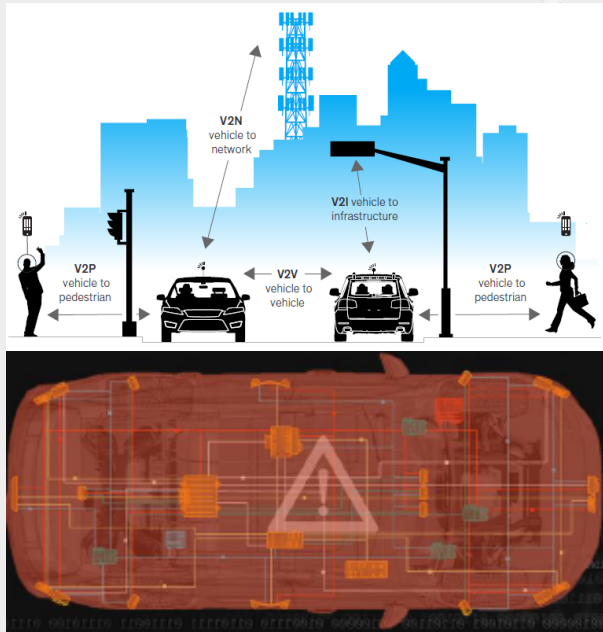
- 50+ commercial systems
  - 10+ Passenger vehicles
  - 10+ EV startups
  - 5+ Software platforms
  - 8+ Trucks, mining vehicles, forklifts
  - 2 Flying taxi services
  - 2 Hyperloop & other
  - 2+ Autonomous ships
  - 2+ Underwater robots
- 100+ defense systems (land, sea, air)
- 75+ research programs (companies, universities, etc.)



# Paradigm Shift Impact is Two Folded



## Technology / System Architecture



## Commercial/Financial Lifecycle Management Costs



# Future Proof

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Uncertainty is the main risk

- Mixed ecosystems (AUTOSAR, ROS, ...)
- Rapid innovation on in hardware and software
- Various platforms and sensor packages from L2 to L4
- Unknown risks and challenges in 5-10 years time

**Solution: Design for integration, adaptability and scalability**

# Changing Landscape

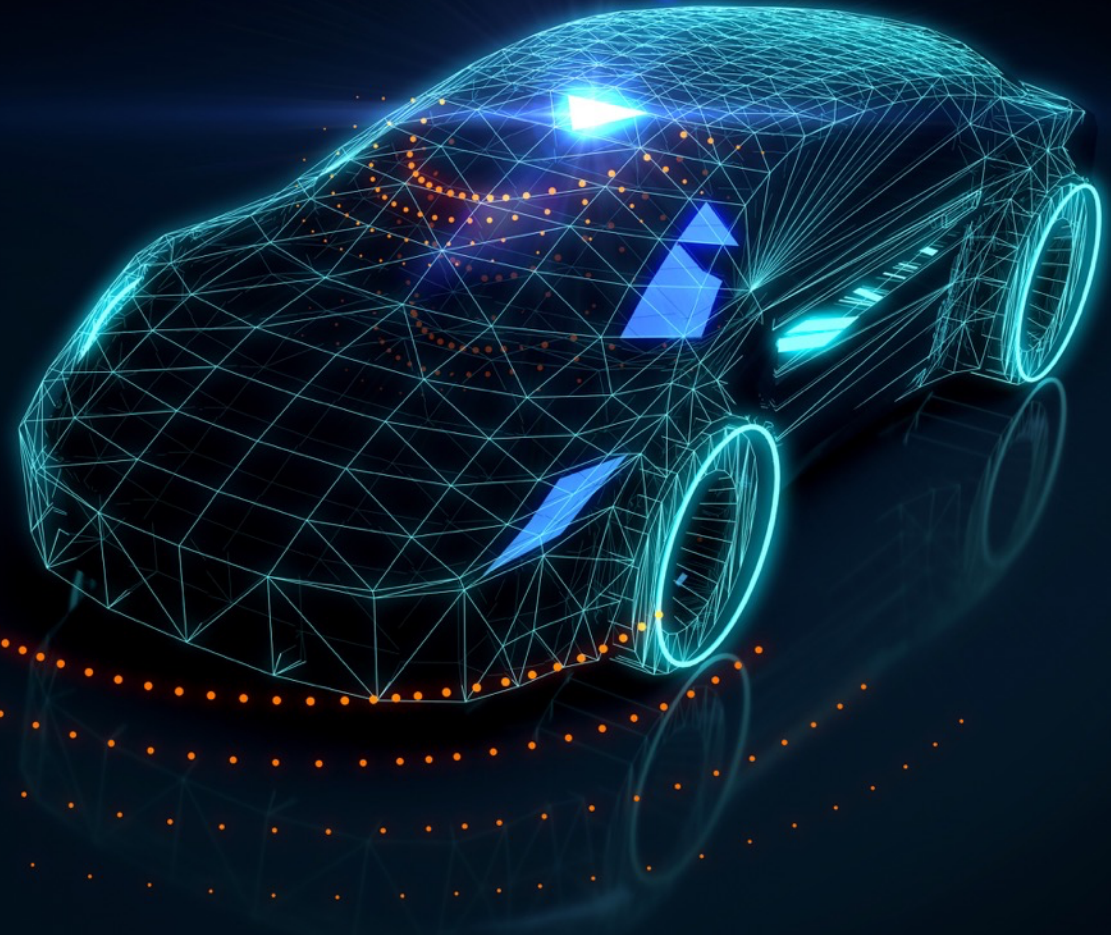
- Importance of software is new
  - Traditional players are still adapting
- Business models are changing rapidly
  - Many new revenue streams
- Competition
  - Electric cars have drastically lowered the entry barrier
  - MaaS is changing the relationship with the customers
  - Multiple non-traditional players



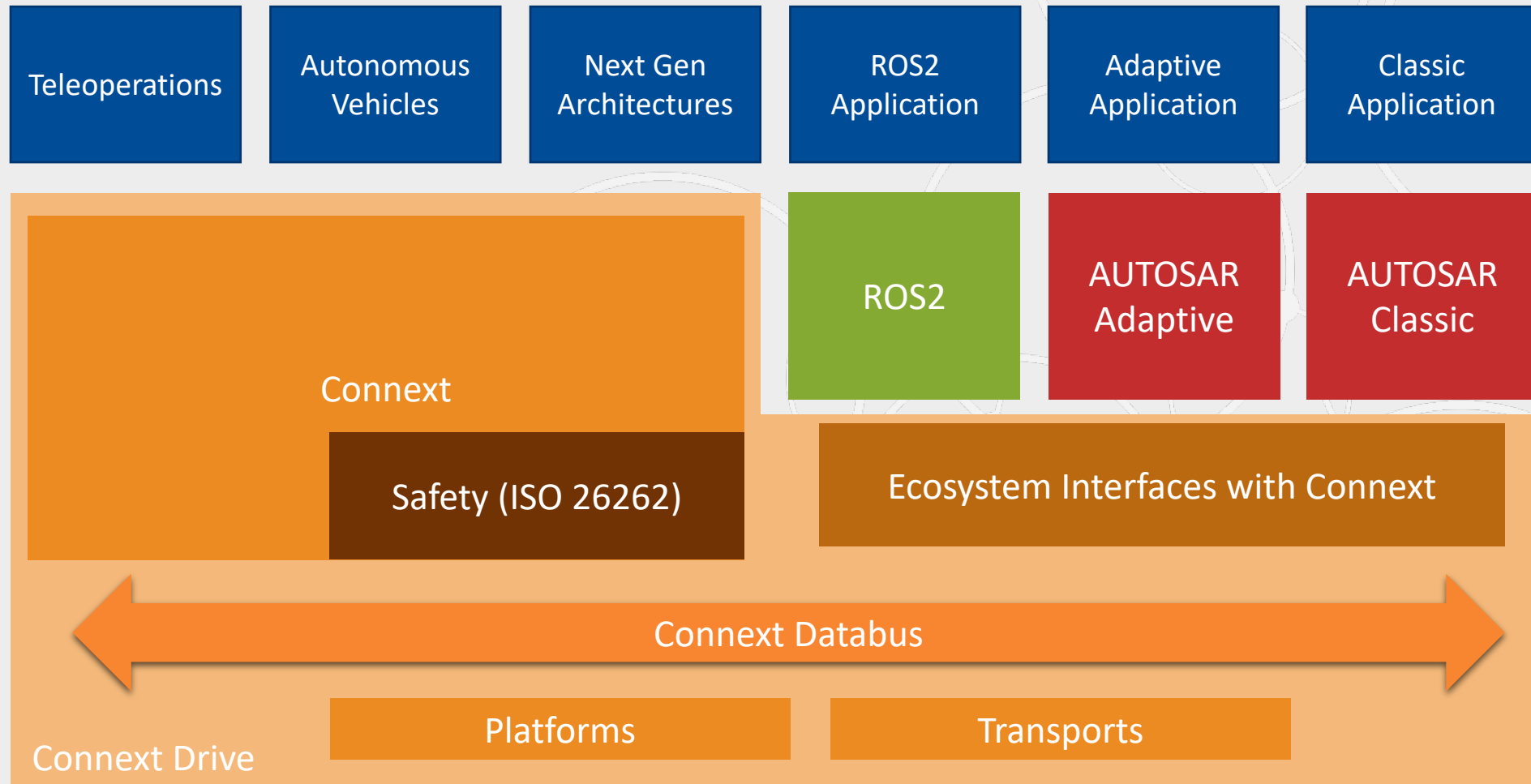
**Solution: Design around the data, application may come and go**

# CONNEXT DRIVE

- Simple solution for Automotive customers
- Designed for the Automotive Market
- Complete ECU to Cloud Connectivity Framework
- Only proven-in-use framework that will meet all Autonomous use cases
- Future Proof, data-centric architecture will support industry evolution

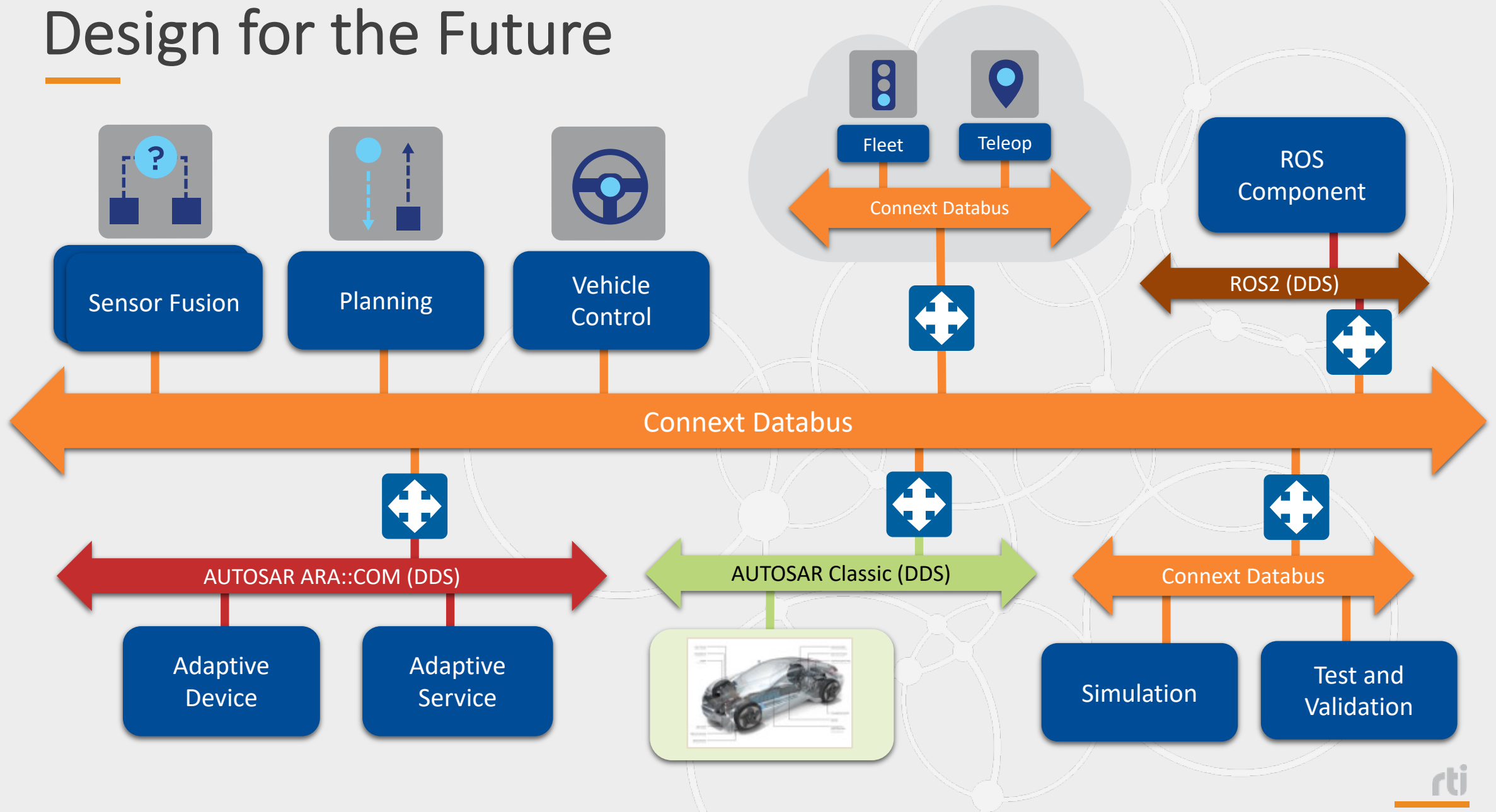


# Connex Drive - Developer Framework & SDK





# Design for the Future



# Q&A with RTI

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