



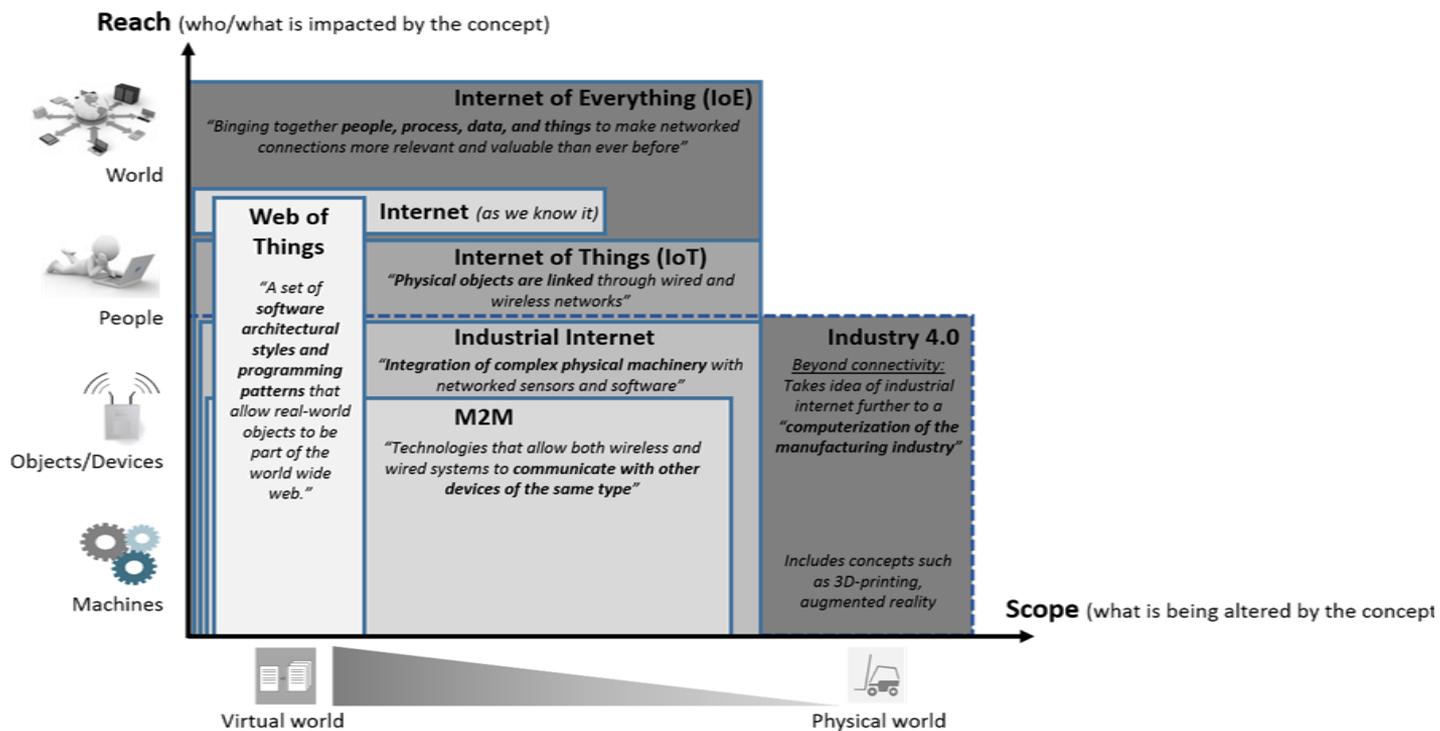
**CONNECTED
FUTURE**

1 M2M in the context of IoT, Present Challenges

2 Tech Mahindra case example – IoT on the road

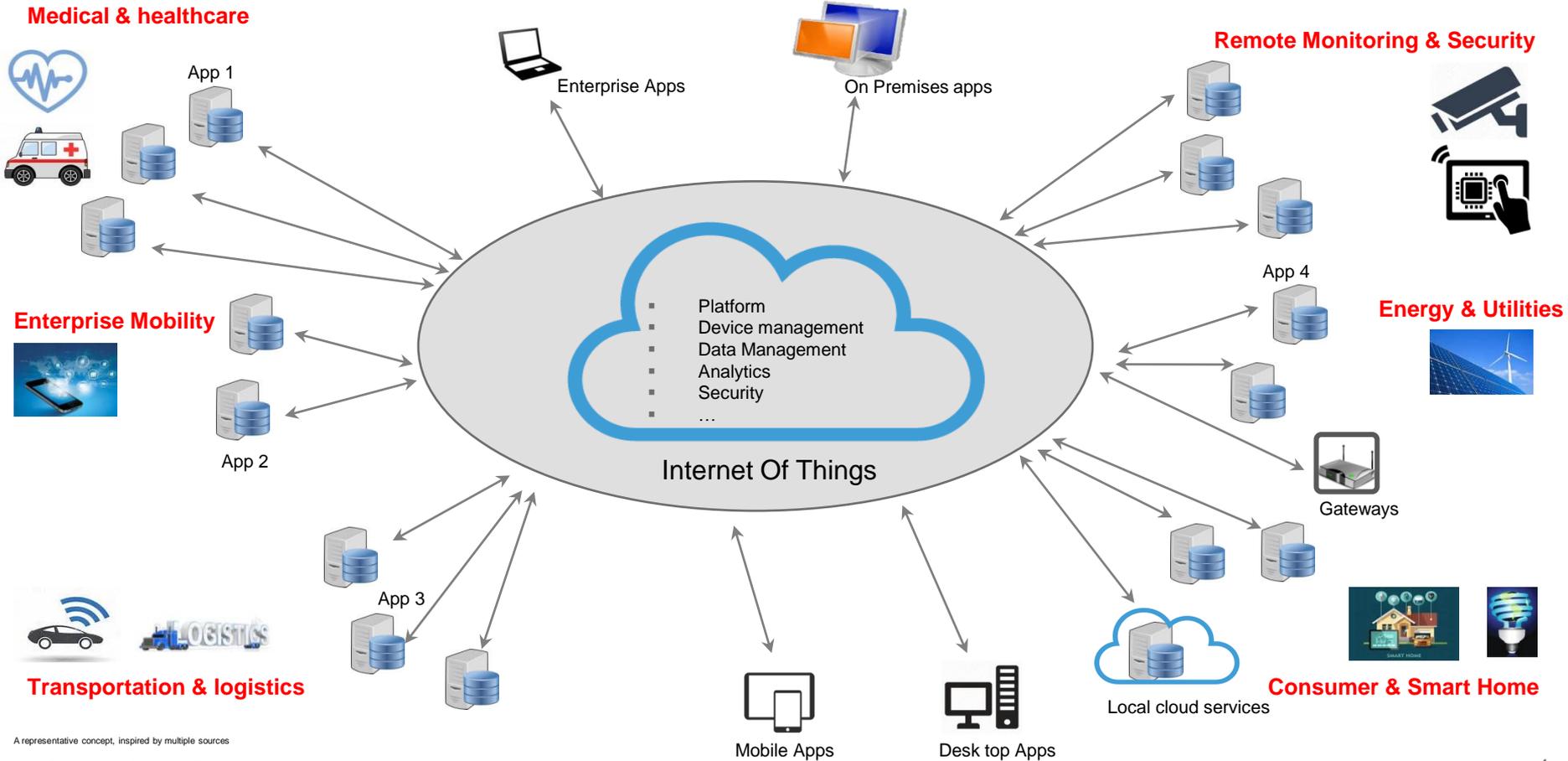
3 Tech Mahindra IoT practice overview

M2M in the Context of IoT



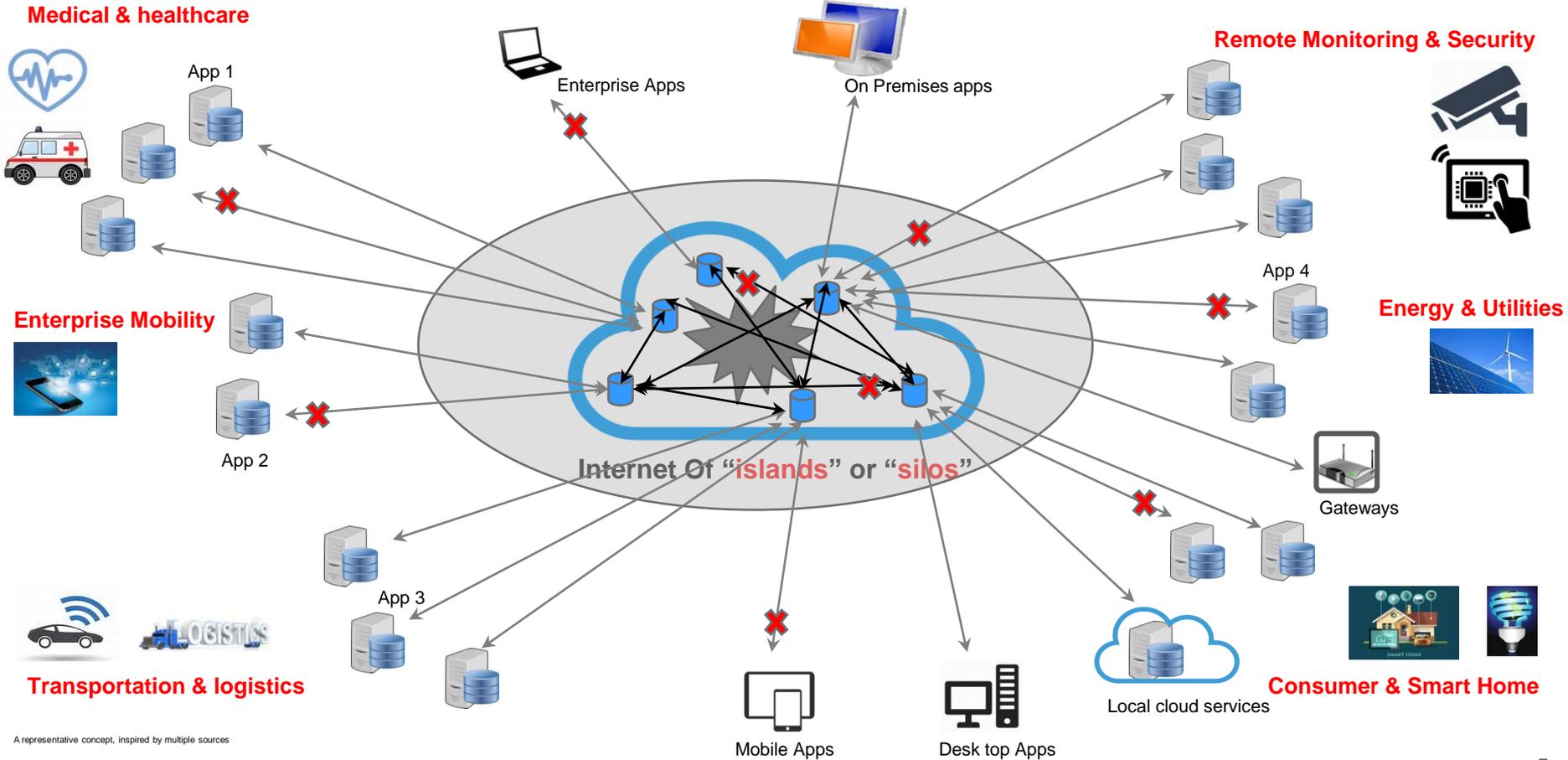
Source: lot-analytics.com

Ideal M2M Solution



A representative concept, inspired by multiple sources

M2M Present Challenges



A representative concept, inspired by multiple sources

Point of View – Present Challenges



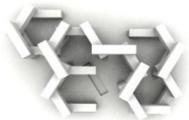
- **Closed** Options

- *App specific, market specific, propriety SDKs, protocols, device specific ...etc. Monolithic solutions,*



- **Fragmented** Market

- *Lack of integration between entraprise system, devices, platforms ..etc*
- *Software, hardware, protocols, all independent & different*



- **Complex** M2M development

- *Multiple skills needed, HW, OS, Embedded, IT network, telecom ..etc,*
- *Need for a common architecture and guidelines*

Point of View – Enablement required from *OneM2M*



- Interconnection between platforms - *Scaling beyond a single solution*



- Many to Many rather than One to One – *Decoupling M2M device data*



- Flexibility in device options – *Cost effective, agile, and low power hardware platforms*



- Tools for open and development community – *IT and developer centric frameworks & architecture*



- Efficient bidirectional – *Adoption of open IoT*



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2 Tech Mahindra Case Example - Automobile

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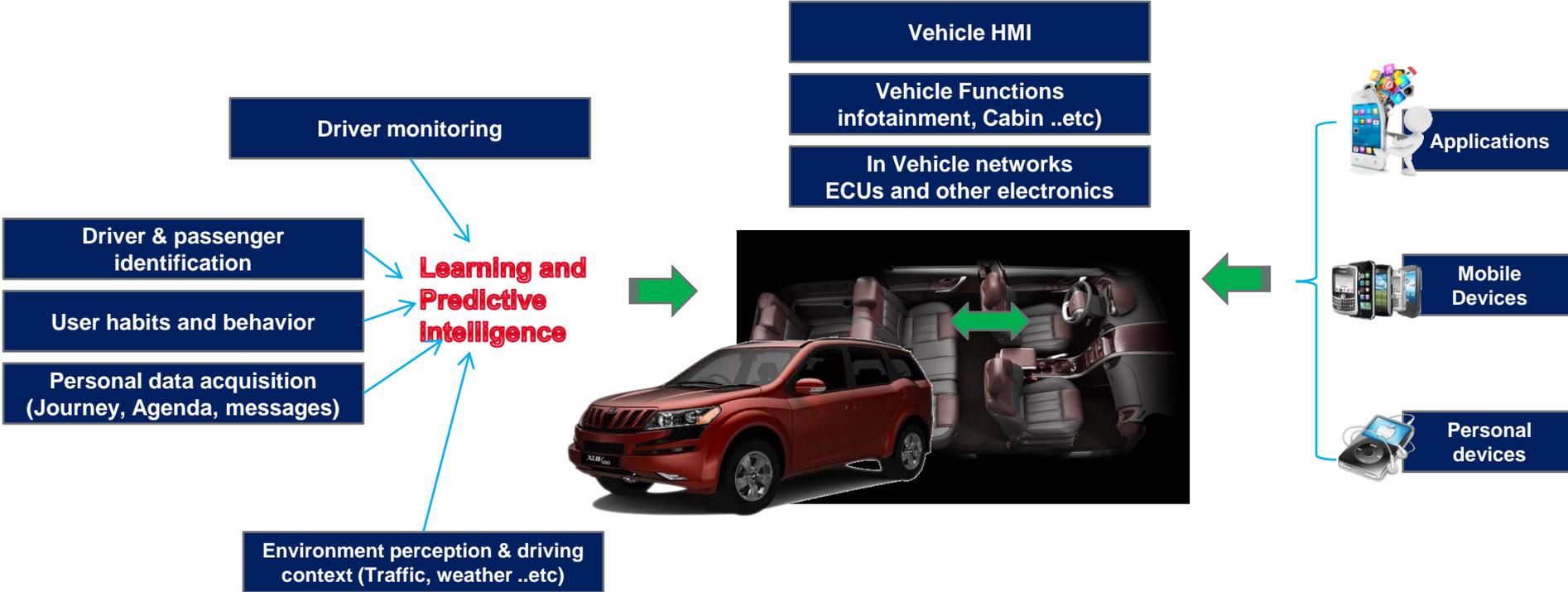


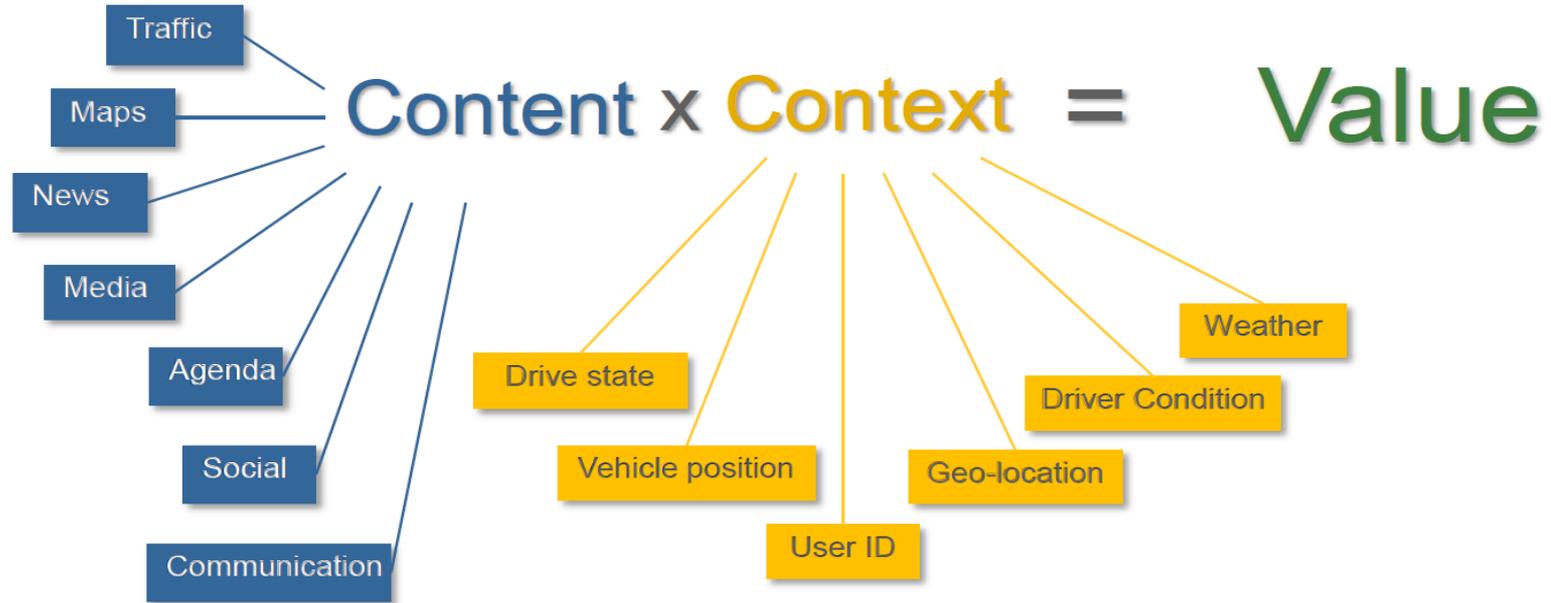
**Tech
Mahindra**

Case Example - Auto

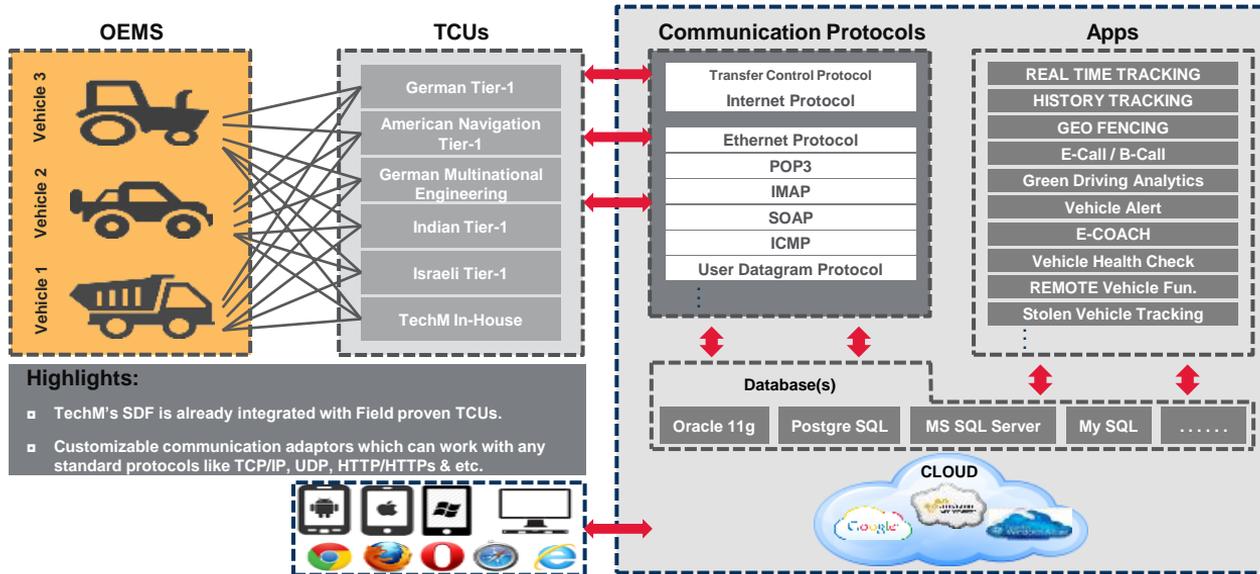
Connected World. Connected Solutions.

Example : Intelligent vehicle platform





Connected Vehicle Program – Multiple Vehicle Types



- One Framework for Multiple Vehicle Line Integrations
- Multiple Industries, Variety of Vehicles-TCU Agnostics with Industry Specific Customization
- Managed Services Model for CoVe
- Features packaged post Due Diligence to achieve maximum cost benefits to customer

Expected of connected vehicle solution across different vehicle type



10-15%
Increase in
Productivity



10-15%
Overtime
Reduction



20-25%
Reduction in
Fuel Expenses



5-10%
Reduction in
Total Miles



20-30 minutes
Day/Driver
Labor Savings



15-20%
Increase in
Vehicle Utilization



20-30%
Reduction in
Vehicle Idle Time



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TESTING FOR SEAMLESS CONNECTIVITY



CREDENTIALS

- 7 labs
- 100,000+ hours of Field Test expertise
- 2500+ Mobile & IoT Devices
- 15+ Telcos & MVNOs
- 2+ million hours of testing expertise
- 10+ Chipset makers
- 30+ OEMs/ODMs

FORUMS AND ACCREDITATIONS



DIGITAL CAPABILITIES FOR A CONNECTED World



PARTNERS



- Generate new revenue streams
- Enhance operational parameters such as productivity, efficiency and availability
- Deliver better Experience to your customers



ENTERPRISES



USERS

Enhanced safety, convenience, comfort

Improved Quality of Life

Unique, tailored experiences

Thank you.

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