



IoT: What's Hot, What's Not & What's Next



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2020: IoT in APeJ



8.7B

Connected "Things"

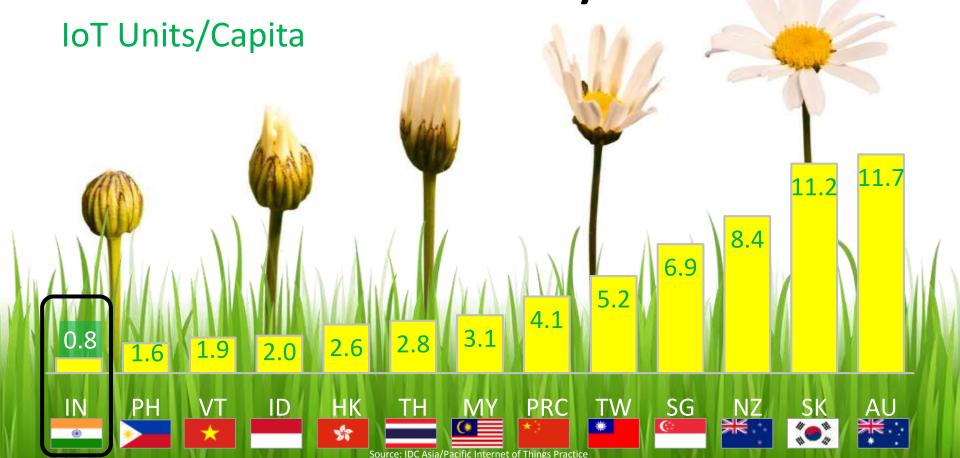
\$566B

Market Opportunity

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IoT Market Maturity in 2020



2015: The Year in Review













Delivery











Steps 3 - ???

The Gap

Step 2 The Future Vision

2015: Less Hype, More Practicality









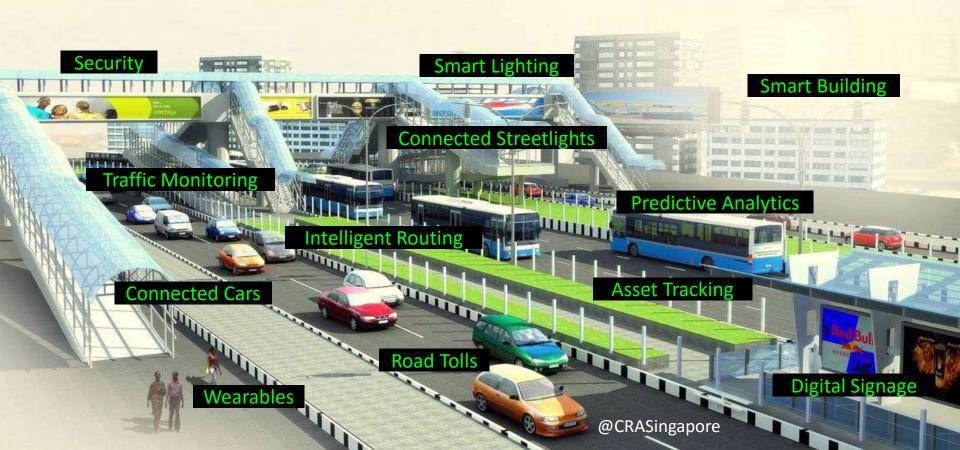


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IoT is Everywhere

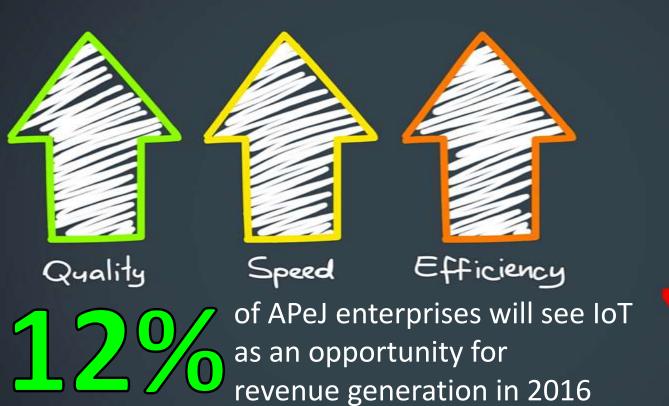


IoT Market Drivers

- Increase productivity
- 2 Improve product quality/time to market
- Process automation
- 4 Reduce costs
- Faster/better decision making

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Operational Excellence



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Cost

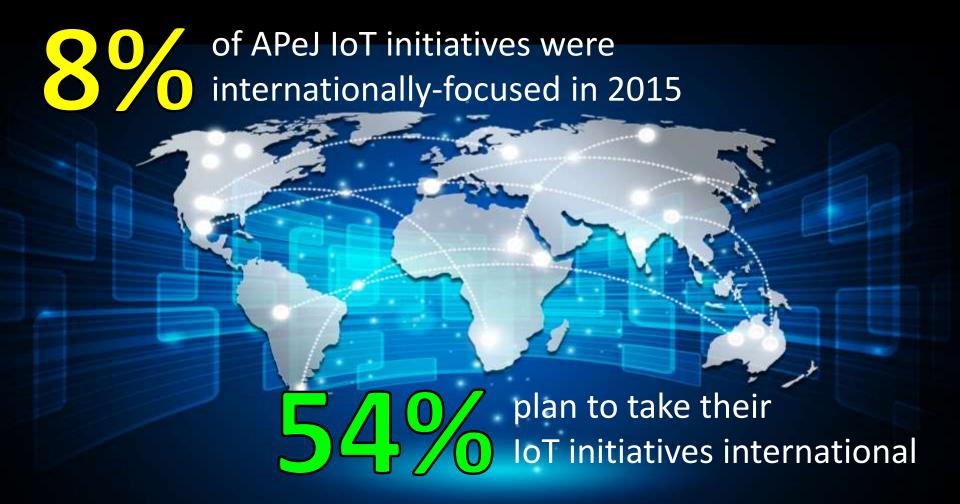
Top Use Cases

Top 5 IoT Use Cases - APeJ

- 1. Manufacturing Ops
- 2. Freight Monitoring
- 3. Production Asset Mgmt
- 4. Smart Grids
- 5. Smart Buildings

Top 5 IoT Use Cases - INDIA

- 1. Manufacturing Ops
- 2. Omni-channel Operations
- 3. Smart Homes
- 4. Smart Buildings
- 5. Production Asset Mgmt



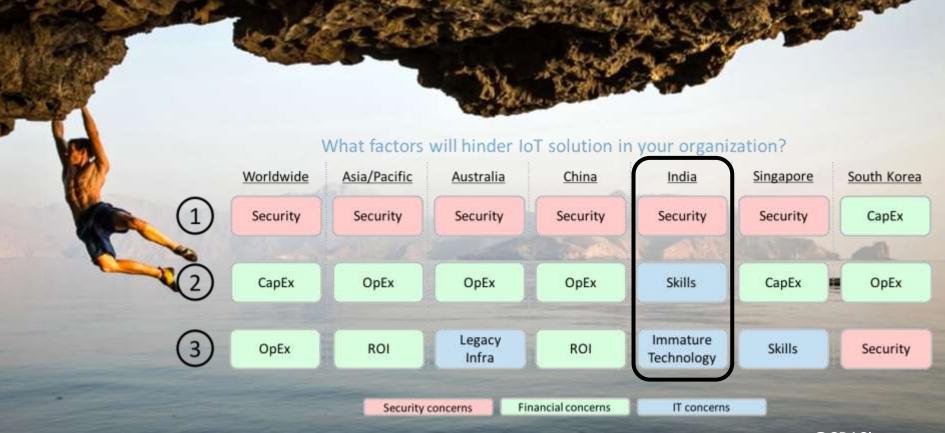
Bridging the IT/OT Divide,

40%

of Asian-based MNC will integrate IT & OT at the technology, process, security and organizational levels by 2018

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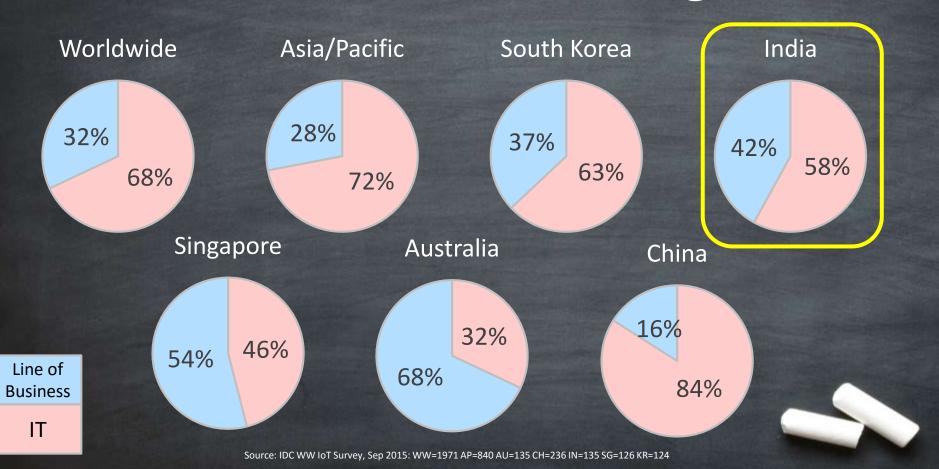
IT & OT must address the same challenges



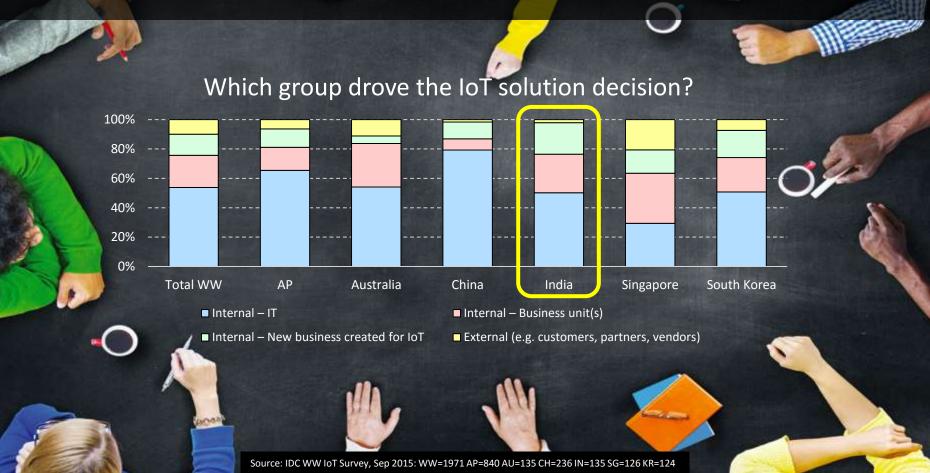
Impact of IT/OT Convergence Less silos Cost efficiency Increased skills gap

- New roles (e.g. Chief Digital Officer)
- Vendors must partner to bridge the IT/OT divide

Who Holds the IoT Budget?













Devices Value













The Risk of a "Me Too" Solution







The stock market demands more... and the consumer demands more

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The Next Wave of Wearables

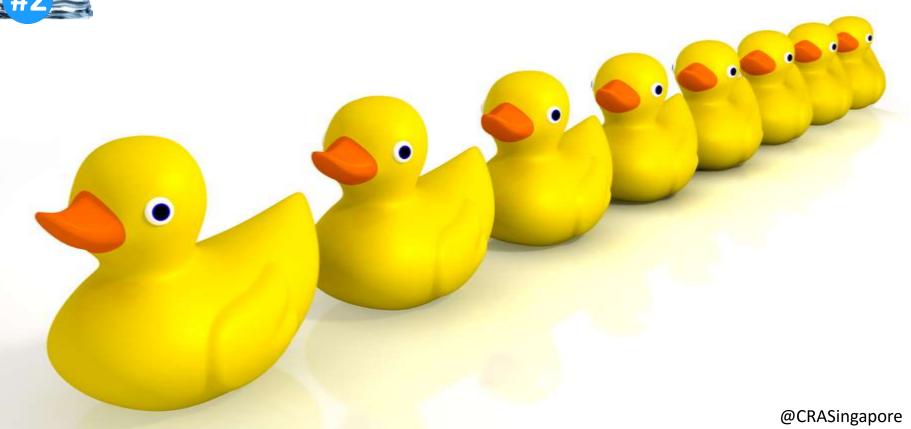
Solutions with the potential to transform industries







Conventional Thinking



"We are solving yesterday's tasks with tomorrow's technology"

Scott Jenson, Google





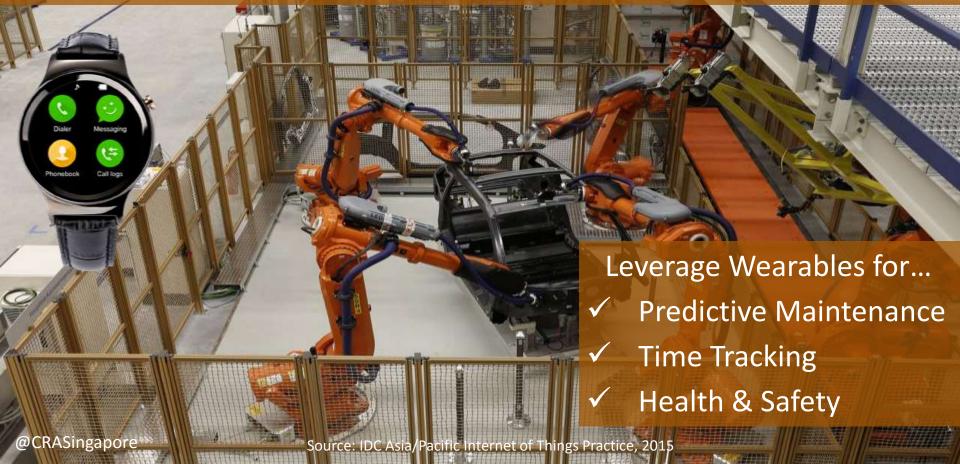
There's too much Tech for Tech's sake!



If I'd asked my customers what they'd wanted, they'd have said a faster horse.







Technology Transforms the Bus Model





A different approach changes the discussion

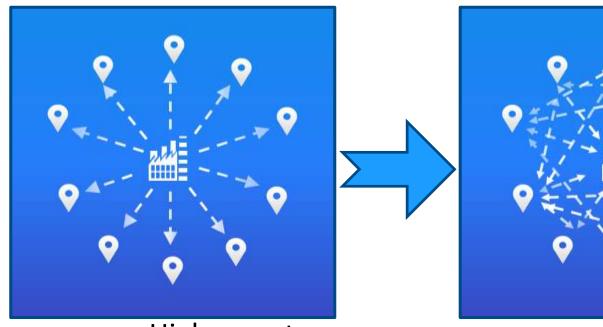




#1 loT at the Edge

of APeJ IoT-created data will be stored, analyzed & acted upon at the "edge" of the network by 2019

What do you mean by "the edge"?



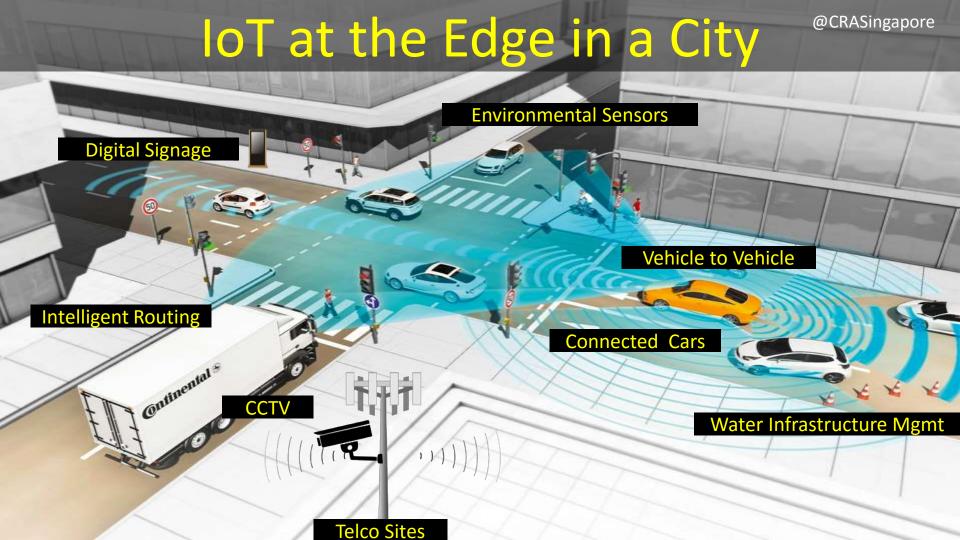


- Less agile
- Slow process



- More agile
- Fast process





#2

Low Power WANs







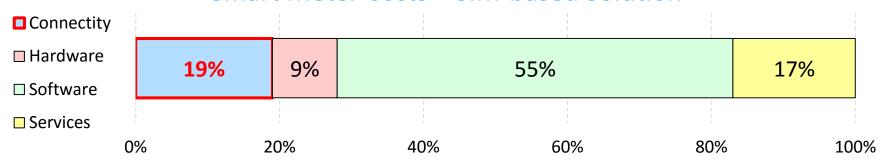
The Low Bandwidth Solution-enabler





The Improved Business Case

Smart Meter Costs – SIM-based Solution





2015 SIM-based solutions

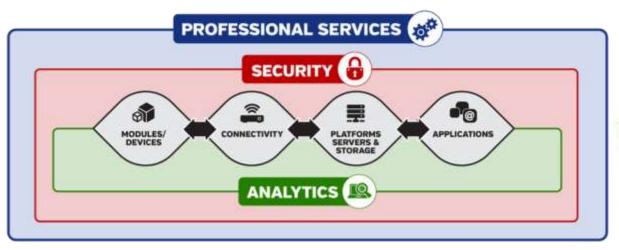


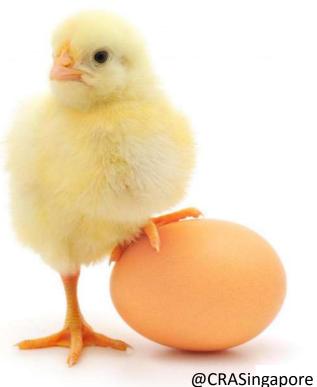
\$12 - \$60 per year Future
Low Power WAN solutions

\$1 - \$12 per year*

+ potential to reduce hardware, software & services costs

...but first the ecosystem must evolve





SUMMAR!



#1 Below the Surface Innovation

#2 Bridging the IT/OT Divide



#1 More Devices, Less Value

#2 Conventional Thinking



#1 IoT at the Edge

#2 Low Power, Wide Area Networks

Source: IDC Asia/Pacific Internet of Things Practice

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For loT to take-off, we need to change our perspective

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