# 2017 Global Software Industry Trends



Nishchal Khorana Director November 2016

### **'VUCA' environment & Mega Trends**



Shift in the global balance of economic power



Significant Demographic shifts



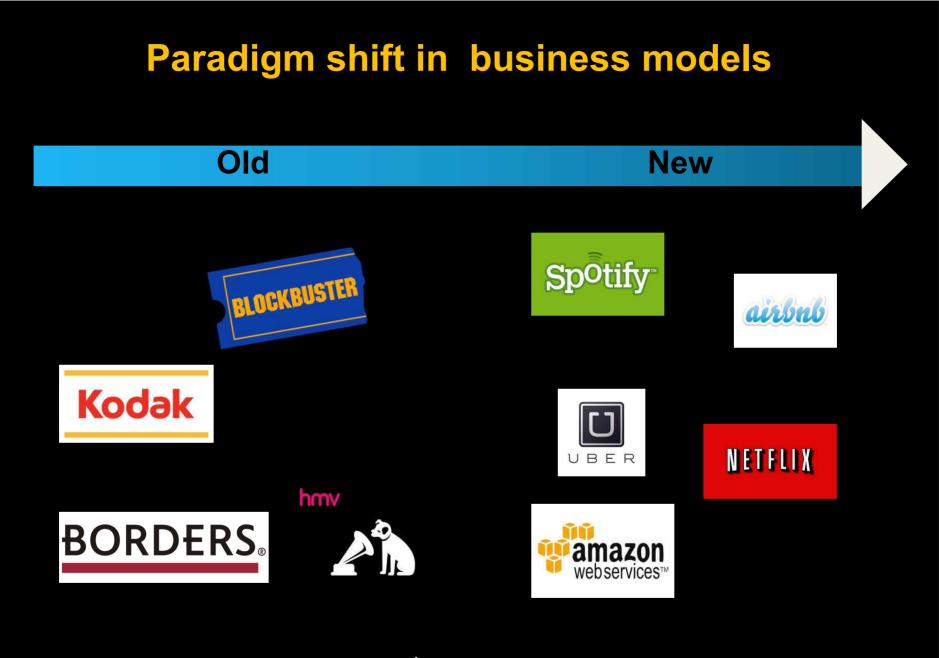
Growth of Smart Cities



Rise of the Global workforce



Exponential growth in connected Devices



### **Digital Transformation – A priority for enterprises**

Mega Trends transforming business environment

3

Changing Customer expectations

- Informed & Connected
- Tech Savvy
- Expects Personalization
- Values 'Experience'

New business models



4

Distributed workforce environments

Extended enterpriseMillennial workforce

### Need for continual innovation

### **Driving Innovation and Disruption**

When two auto makers both had a recall for a similar issue, IoT made a crucial difference in the customer experience and cost savings



In January of 2014 the US government asked Tesla and GM to recall certain models of cars due to a risk of fire coming from faulty spark/electric plugs.

All of Tesla's cars include 3G service as a data only MVNO (paid by Tesla) 29,000 cars fixed automatically via a software upgrade FROST & SULLIVAN

### **Driving Innovation and Disruption**

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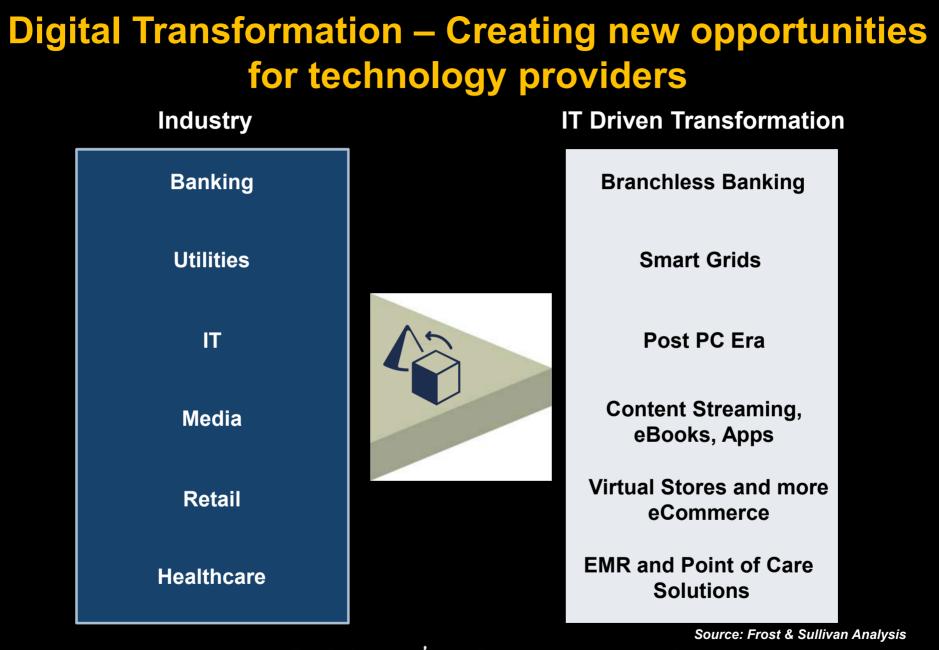
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	<b>MAJOR INDUSTRIES</b>	VALUE (billion)
gle	Advertising, IT, auto, health, entertainment	\$479.80
	Advertising, communications, virtual reality	\$300.10
E R	Mobility, home delivery	\$62.00
LIX	Entertainment, content creation	\$38.15
rbnb	Accommodation, travel guides	\$25.00



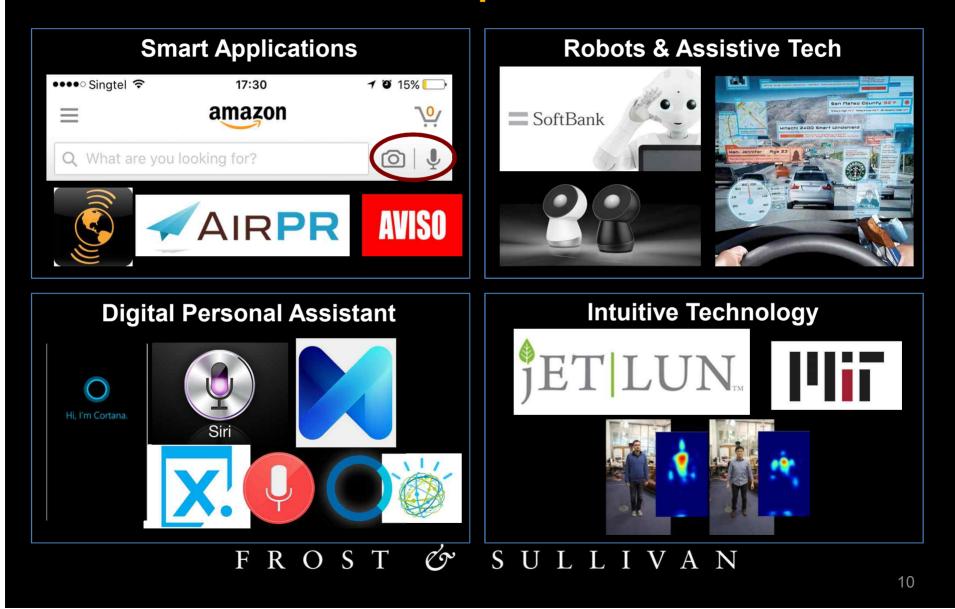


Data will lead the way.

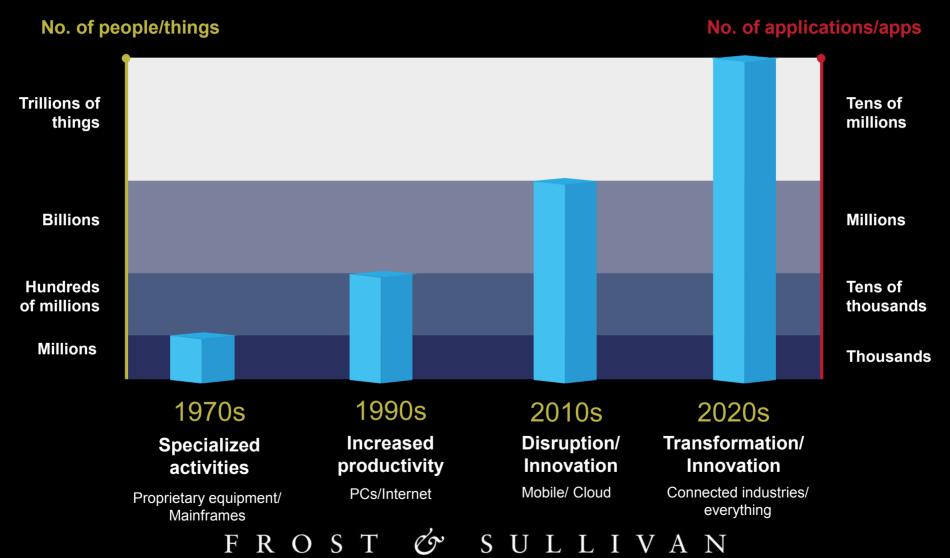
### **Technologies that Drive Digital Transformation**



### AI is Embedded: Assisted Living and Enterprises



### **Towards Connected Everything**



# Why all the excitement? IoT captures the imagination!













### IoT and Augmented Reality: ThyssenKrupp





- Roughly 20% of errors indicate some sort of issue that eventually leads to a shutdown
- Use analytics and big data to prevent massive repair costs
- Technicians on the ground are fed with real time data
- Technicians are equipped with augmented reality headsets. This further improves service levels
- Able to plan ahead about the parts that can be sourced from various locations

### **Driving Innovation and Disruption**

### **GE: The Digital Industrial Company**

GE for GE

#### **GE for Customers**

### **GE for World**

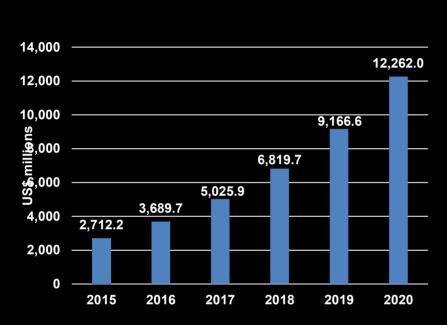


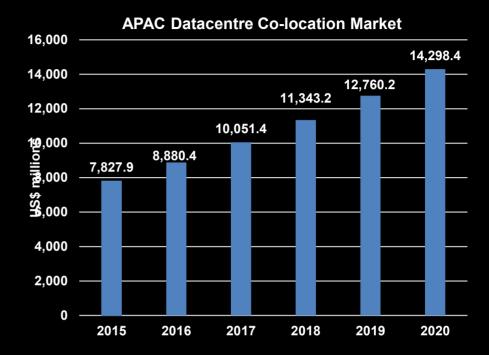
### \$15B software business by 2020

FROST & SULLIVAN

Source: GE

### Infrastructure: On Cloud & Software-Defined





	Datacenter		
Compute	Storage	Networking	
Software – Defined			
FRO	ST & SULLI	VAN	

APAC laaS Market

### **Cloud & IoT: The Internet of Threats?**

#### Hacked: Automotive



Cars of frequently hacked. Software and IT components make them vulnerable. Tesla Model S cars are hackable

#### Hacked: Public Cloud



Security continues to be the key concern for IT organizations across Asia Pacific while adopting public, private or Hybrid cloud models

# Hacked: Traffic Lights

Researchers in Michigan hacked into nearly 100 wirelessly networked traffic lights, highlighting security issues that they say are likely to pervade networked traffic infrastructure around the country

#### Hacked: Connected Homes



Compromised smart homes, which included everything from routers and smart televisions to at least one smart refrigerator, sent more than 750,000 malicious emails to targets in late 2014

### 2017 Predictions – Opportunities for software, platform & Services providers



**Digital Disruption and Transformation** 



**Big Data & Analytics** 



**Internet of Things** 

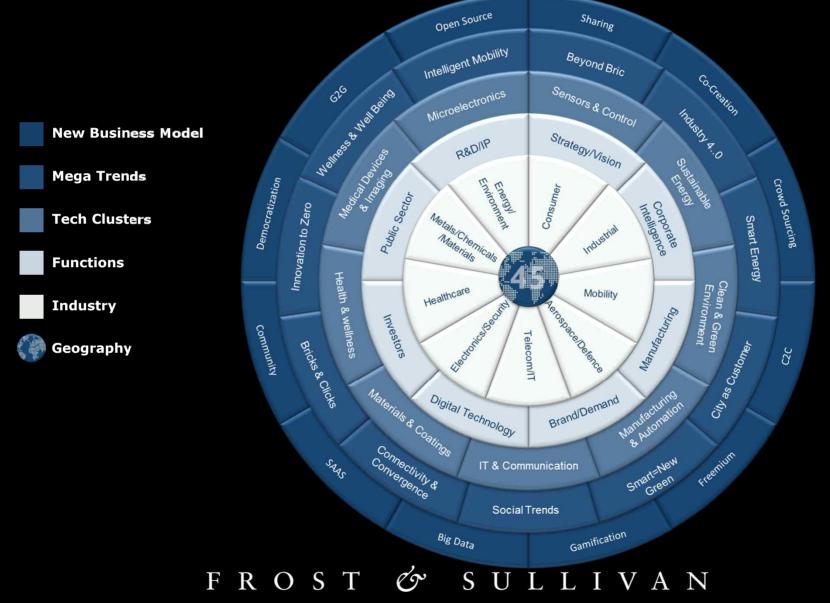


**Cloud Computing** 



Security Solutions

### Way Forward Mapping opportunities to the Innovation Engine



### Way Forward Redevising growth strategies



pplications – Increasing outsourcing of strategic workloads



usiness decision makers – Increasing role of non technology decision makers



ustomers – inclusion in the IT user pool



efense – security of IT environment continues to be key focus area

