

We Have Done Extensive Research into Digital



Cloud

606 Respondents

16 Industries 2012



Mobility

664 Respondents

Industries



Big Data

1217 Respondents

2013

Industries



Social Media

655 Respondents

Industries

13 Industries



Digital

820

Respondents

2015



loT

795

Respondents

13 Industries



We Have Done Extensive Research into Digital



www.tcs.com/internetofthings



Allan Murray, Editor-in-Chief

FORTUNE on IoT Study

I've now read it, and recommend it to everyone interested in the subject – which should include anyone running a bigger-than-a-breadbox business.

99

Digital Enterprise Core Areas



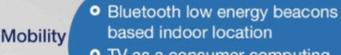
Key Trends and Sample Engagements



Creative Design

Key Trends

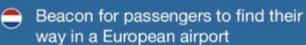
- 'Personal relationship' concept in consumer experience
- Design-implementation collaboration via prototyping tools



 TV as a consumer computing platform

Sample Engagements

- Novel app with gesture based cash transfer for a leading Bank
- First-of-its-kind digital assistant app for large postal organization

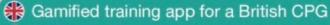


Store operations using hand-held terminals for a British Retailer



Social Reimagination

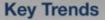
- Gamification
- Al on enterprise social media



Revamped employee portal with social, gamification and crowd sourcing for a Spanish Insurance company



Key Trends and Sample Engagements





- Omni-channel customer engagement and cross channel capabilities
- Micro-segmentation and digital-physical convergence

Sample Engagements



Transformed to uniform omni-channel experience for a US healthcare customer



Marketing e-communication as a service to 10M+ users for a leading pension firm



Big Data

- Hadoop is mainstream
- In-memory analytics and stream processing



Behavior analysis based customer campaigns for an Australian Bank



Unified view of multi-segment customers for a large Retailer



Internet of Things

- Emergence of 'ecosystem only' play
- Telematics based asset monitoring
- Higher operational efficiency with centralized remote monitoring for a leading HVAC company
- Telematics based solution for a US Insurance firm



Key Trends and Sample Engagements



Cloud

Key Trends

- Cloud is mainstream
- Pre-eminence of the hybrid cloud



- Self-directed and autonomous advanced machine learning
- Context aware conversational user interface



Machine learning enabled robotics

Sample Engagements

- Multi-cloud platform for a global energy & resource company
- Cloud based website traffic analytics for a leading post trade settlement firm



Al powered reconciliation engine for a Bank



Revolutionary conversational user interface for a global measurement company

- Robotic charger for electric vehicles for an auto manufacturer
- Automated ATM testing robots for an Australian Bank





Categories of Digital Initiatives **DIGITAL REIMAGINATION** Disruptive Innovation **DIGITAL TRANSFORMATION** Incremental Innovation **DIGITIZATION** TATA CONSULTANCY SERVICES



Leveraging the Digital Five Forces and Composite Forces to Reimagine an Enterprise in Six Areas

Business Models

Products & Services

Customer Segments

Channels

Business Processes

Workplaces

TCS Helps American Insurance Company Reimagine its **Business Model using IoT**



Segment Retargeting





Digital-Physical Co-habitation







Data Transparency





Requirement

Better segmentation and flexibility in pricing, better customer connect

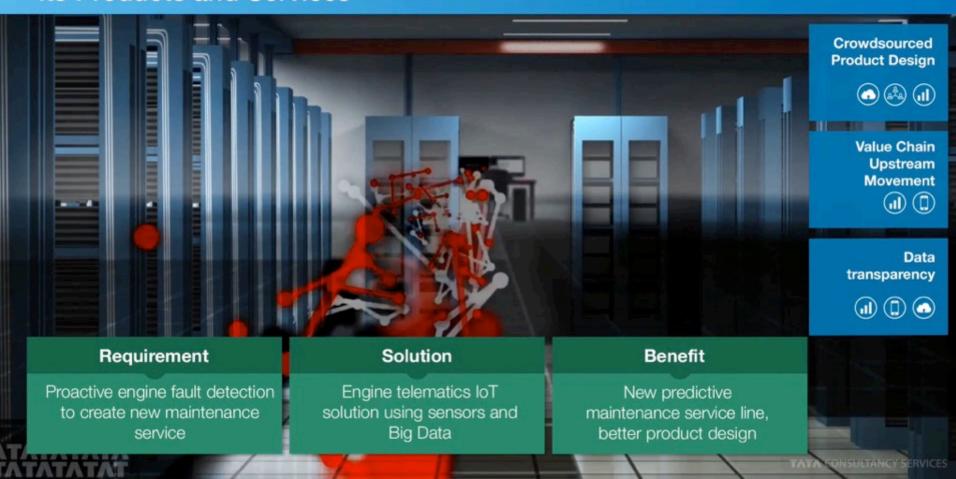
Solution

Mobile based IoT solution with Big Data processing for individual customer segmentation and dynamic pricing

Benefit

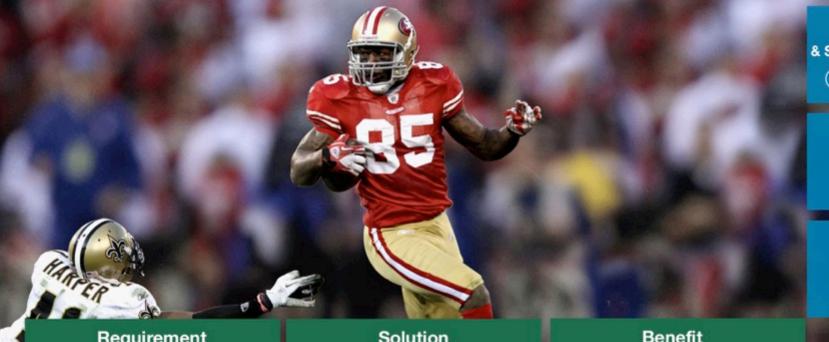
Breakthrough in target customer segment, better customer intimacy

TCS Helps American Engine Manufacturer Reimagine its Products and Services



TCS Helps Global Consumer Goods Major Reimagine **Customer Segmentation**





Micro Segmentation & Segment of One















New Segment Creation





Requirement

Identify and micro-segment the fan base of NFL teams

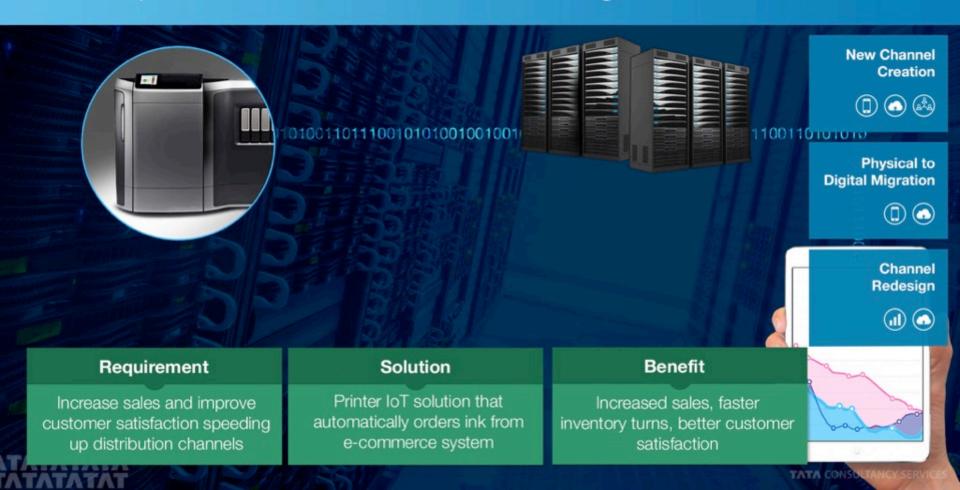
Solution

Hadoop as social media analytics platform to understand online behavior and interests

Benefit

Improve and maximize impact of marketing investment

TCS Helps Global Printer Manufacturer Reimagine its Channels



TCS Helps European Cargo Handler Reimagine its Business Protesses



TCS Helps World Leader in Oil & Gas Technology Reimagine its Workplace









Data Driven Human Resource Management



TATA CONSCILTANCES





Teleworker **Enablement**





Requirement

Reduce reserve of obsolete inventory and thus increase margins

Solution

Gamified centralized inventory management application

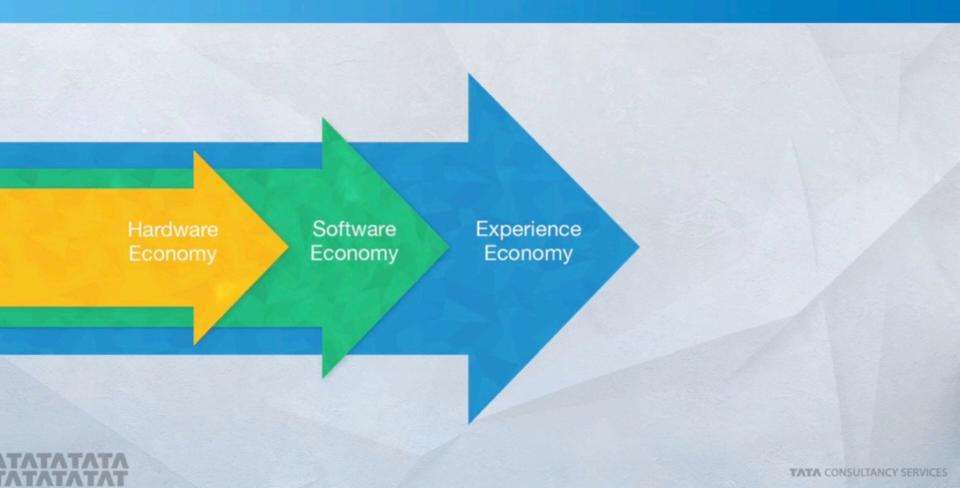
Benefit

Motivated employees to use inventory before it become obsolete

Digital Reimagination™ Creates Enterprise Digital Equity



The Emergence of the Experience Economy



The Emergence of the Experience Economy



Digital Reimagination[™]



Business Models

Products & Services

Customer Segments

Enterprise Experience

Channels

Business Processes

Workplaces

Partner Recognition







Intel is excited by our partnership with the TCS Digital team in bringing the best of IoT to our customers.

We are impressed by the depth of architectural and engineering talent as well as the customer focus and responsiveness of the TCS teams and are energized by our many joint wins that have come already.

Douglas L. (Doug) Davis SVP & GM IoT Group Intel Corporation



cloudera



The Cloudera and TCS partnership has achieved impressive results over the past several years and our next great opportunity is IoT. Together with Intel, Cloudera and TCS are thrilled to announce the availability of a joint solution that accelerates IoT.

Mike Olson Co-Founder, Chairman & CSO Cloudera

Partner Recognition



EMC²



TCS is one of our most strategic global partners. Their global reach, deep infrastructure and analytics experience coupled with an overarching digital strategy is second to none. For EMC, they are able to connect the business and economic value to our technology solutions and with it deliver on an IoT promise we'd be unable to fulfill alone.

Jay Snyder

SVP, Strategic Sales and Alliances EMC



databricks



The Internet of Things places demands on Big Data requiring a major transformation on how transactional data is handled in this new paradigm. Apache Spark sits at the inflection point of that transformation. We are thrilled to be a partner with TCS Digital Enterprise team and be part of their IoT Solution Architecture.

Ali Ghodsi

CEO Databricks

Industry Analyst Recognition

"In Winner's Circle of Enterprise Mobility Services" (2015)



"Leader in Digital Services" (2015)



"Leader in Business Intelligence Services"



"Leader in Mobility Services for Global Banking"



"Global Leader in Enterprise Mobility Services"



"Front Runner in Digital Transformation Services"



"In the Winner Circle of IoT Services"



"Leader in Enterprise Mobility Services"

(2013)

FORRESTER'

TATA CONSULTAN

The New Customer Engagement Model - TCS Digital Reimagination Studio

Artistic top-of-the-line working space

Top notch internet company talent

Creative-led teams and processes

Industry changing ideas

Opportunities vs Problems



Leverage positive empathy

Discover-Define-Refine-Deliver in iterative cycles

Customers resident in Studio for 12 week engagements

Deliverables for CEO/Board consumption

Seamless handover to Agile project implementation



TCS Digital Reimagination Studio Talent



Apple, Adobe, Disney, Google, Motorola

IDEA, CES Best of Innovation, Red Dot, Core77, Codii and Good Design awards



Emmy nominated Visual UX Designer



BMW, Frog Design, Microsoft, HP, Ford, PayPal



Mercedes R&D, Siemens Healthcare, Abbott, DARPA



Amazon, HP, Franklin Templeton, Nook, Warner Brothers, Samsung, Sony



Carnegie Mellon's Tepper School of Business Background in Psychology



Mercedes-Benz, Toyota, Nike, Adidas, MTV



MBA from Kellogg School of Management

TCS Digital Reimagination Studio Space & Deliverables



Thank You

Designed by



