

# Managing Margins:

## How Industry Drivers Are Threatening Operator Cash

John Brooks  
VP – Product Management  
Subex

- Industry Trends and Drivers
- The xCommerce factor
- Market changes and the Cloud
- Leveraging multiple domains
- The next evolution of Business Optimization



# Market Drivers through 2017

## Impacting Revenue and Cost Performance

- **Business Optimization and Analytics is forecasted for steady growth in every sector through at least 2017\***
  - Risk management shifting from reactive to proactive
  - Growing reliance on analytics to track and predict business performance
  - Increased emphasis on cross-functional use cases that improve user experience and efficiency
- **Significant rise in hosted, cloud-based, and multi-tenant solutions\***
  - Simplified user decision enablement will be major driver in next 5 year period
- **By 2017 there will be over 8.4 billion connected mobile devices (113% population penetration)\***
  - “Digital Life” and “Digital Everything” terms are dominating the landscape today
  - Mobile devices will drive most of the digital uptake
  - Assurance support across IOT and e/mCommerce will protect operators’ profitability



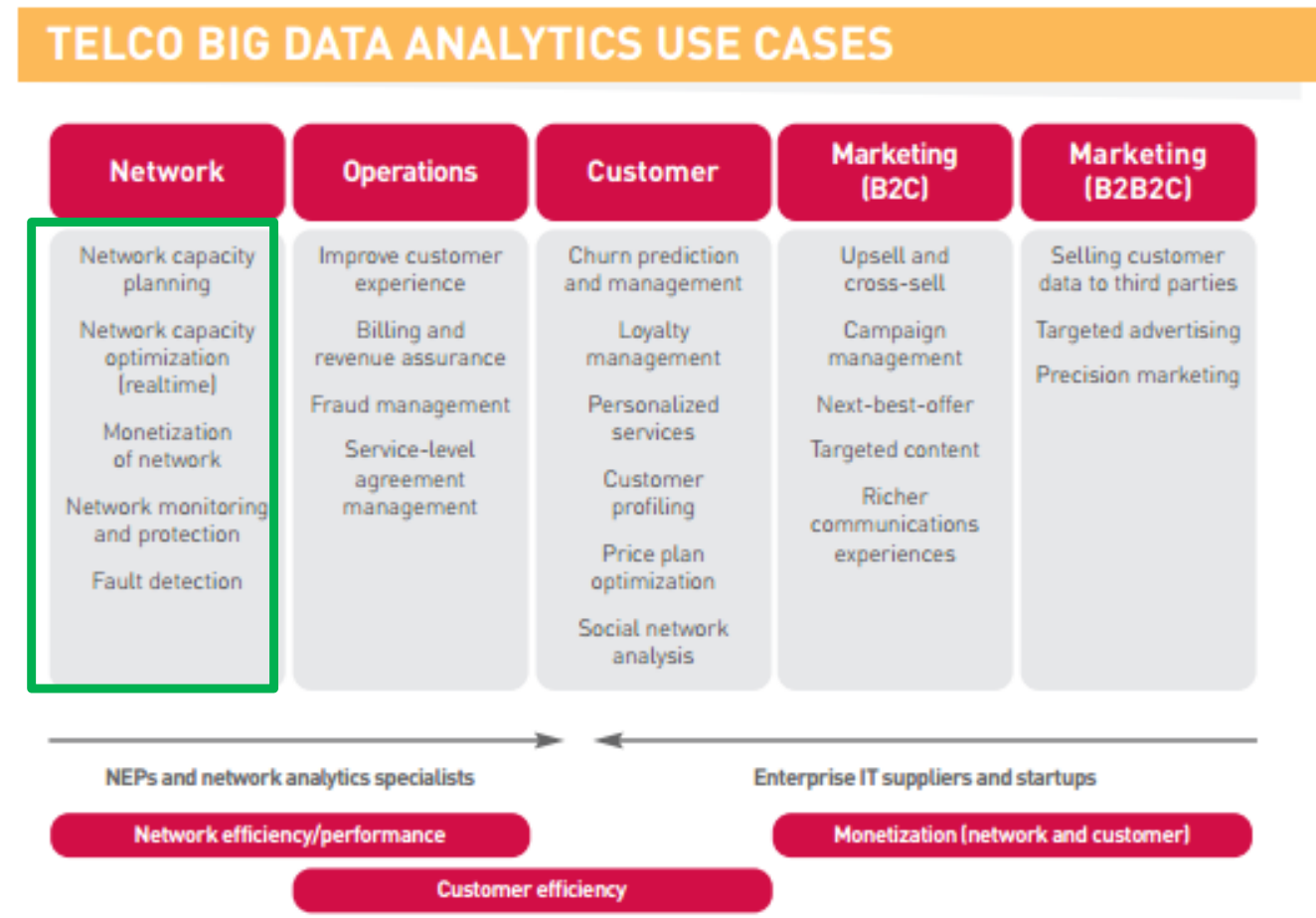
\* Source – Analysys Mason

# Market Drivers through 2017

## Impacting Network Planning and Operations

Growth for Network Analytics will be driven by the following key trends:

- **Network decommissioning**
  - Rapid migration from legacy private-line and packet services to Ethernet transport and VPN services
  - business VoIP will increase its share of the business voice market from 17 percent this year to more than 40 percent by 2018, according to ATLANTIC-ACM forecast
  - Exiting legacy technologies such as 2G to more efficient technologies such as LTE
- **Effective Capex Management**
  - Monetization of network
  - Optimize returns from new infrastructure investments
  - Optimize capex spending on legacy infrastructure
- **Network Capacity planning**
  - Real time optimization
  - Predicting consumption trends
  - Improvement in customer experience



Ovum Telecoms Research Agenda 2014

# Preparing for the Future – the xCommerce factor

## Key evolutions in Telecom digital technology that will drive the market

### Some facts to consider:

- mCommerce is now a \$25B industry, projected at \$31B in next 5 years
- By 2017, 25% of online sales will come from mobile devices
- mCommerce is now \$1 of every \$10 spent online and growing faster than eCommerce
- Mobile online payments will increase 6x to \$117B by 2017, while eWallet transactions will rise 4x to \$17B by 2017
- mCommerce is highest in Africa, followed by Asia, then North America, Europe, and Latin America
  - This is due largely to the amount of unbanked subscribers in the African market



*There are an estimated 1.4B smartphones in the world today, with a growth rate of nearly 44%*

**TechNavio: “eCommerce will grow at 13.54% between 2013-2018,...the growing risks of online frauds and associated costs could challenge the growth in this market”**

Sources: comScore, Forrester, eMarketer, Worldpay, TechNavio

mCommerce (and eCommerce) poses one of the greatest combined Fraud, Revenue, and Cost risks seen to **Operators** and their **Customers** in (at least) the last decade

Ensuring revenues for unbanked transactions

Validating partner costs

Protecting from identity theft

Monitoring appropriate payment channels

Understanding network impacts in a multi-access world

Managing multi-channel content delivery agreements



# Markets, Networks, and Products

The rate of change is faster than ever before

*Smaller tier operators are losing margin daily on complex partner relationships*

- IP billing, deals and bilateral agreements
- Rapid market changes affecting agreement conditions

*Smaller tier operators are the most at risk for revenue losses*

- Subscriber and usage management
- Product performance metrics



*The highest incidence of fraud worldwide is in smaller tier operators*

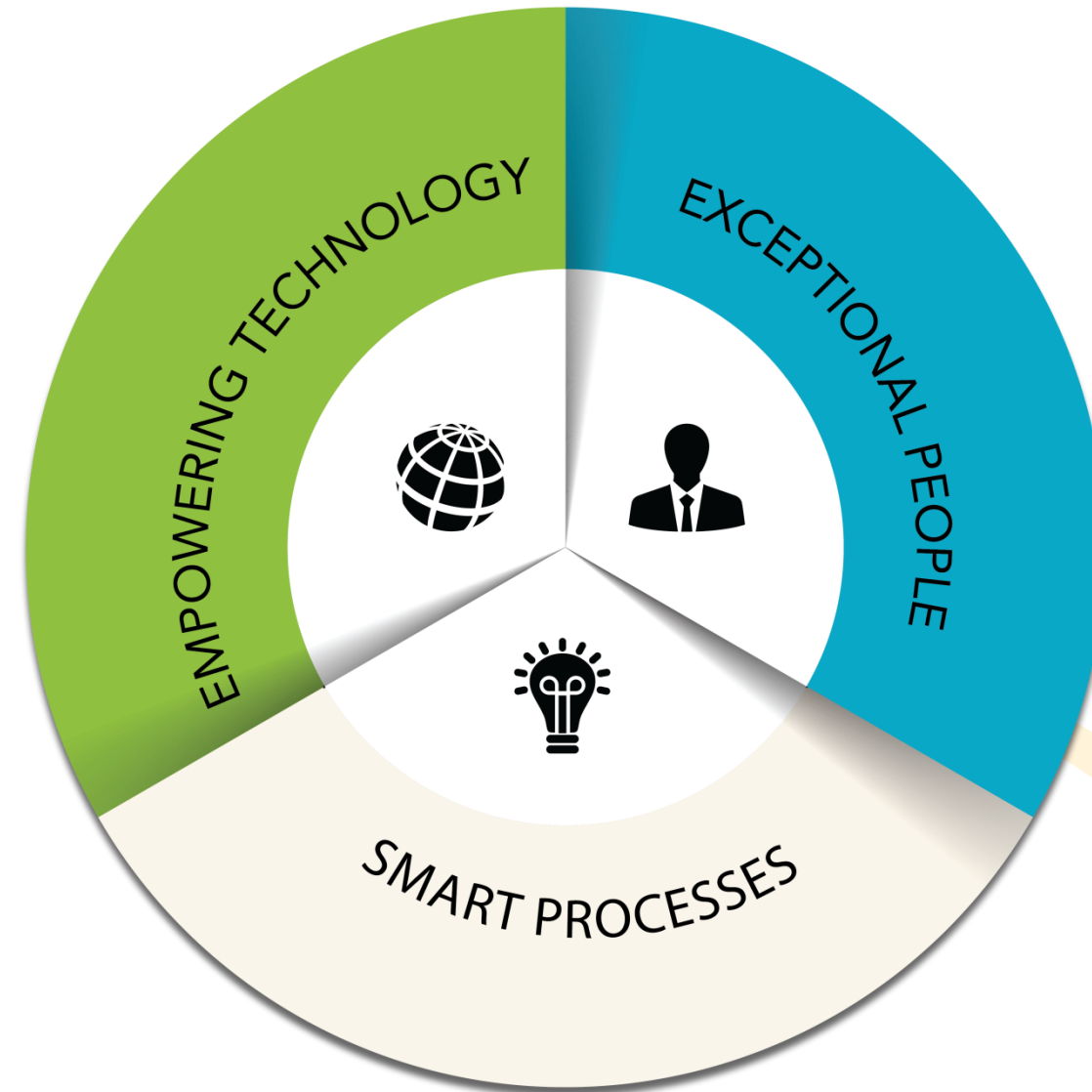
- Bypass, SIM Boxing, Internal, and other frauds
- Inadequate systems and programs to keep pace with daily changes in fraud

# Leveraging Cloud Programs

*Success will mean going beyond simple system relocation*

## Expertise and Process make Cloud Programs successful

- Cloud programs must go beyond simple scalable infrastructure and technology.
- Operators gain little ongoing benefit after the initial capex savings, unless a program is applied
- Expertise in market trends, dynamics, and best practices must remain available to the operator
- A Cloud with domain expertise provides operators a means to maintain the skills without incurring the additional costs in resourcing





## **Collapsing 2 or more departments into a single cloud instance**

- Cross-department collaboration
- Data sharing
- Common reporting
- Cross-domain resourcing



## **Combined Capex Savings**

- Infrastructure cost savings of *75% or more* easily achieved
- Ongoing licensing costs may be totally eliminated

## **Combined Opex Savings**

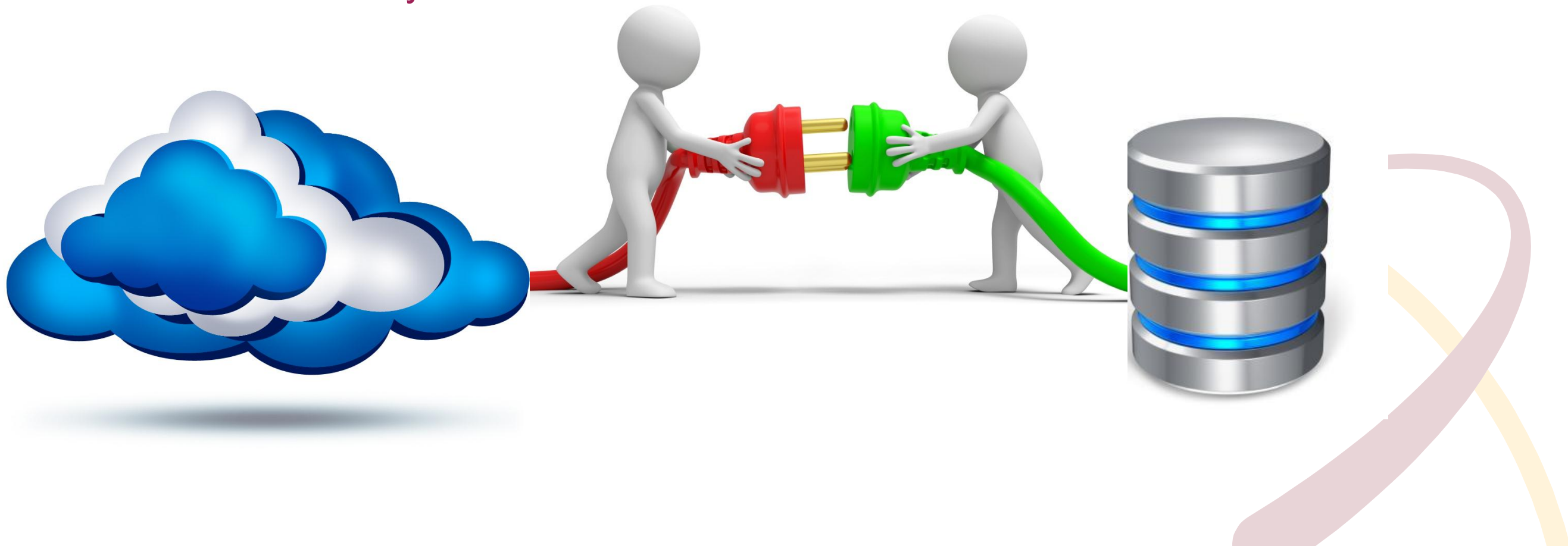
- Direct resource savings can exceed 40%
- Cost to maintain domain competency often reduced by *50% or more*

# Introducing ROC 3

The next evolution in Business Optimization



- Multiple solutions in single cloud instance, with common, shared data and portal
- Top tier solutions in Settlements, Fraud, Revenue Assurance, and Route Optimization
- Subject matter expertise and proven, stable process controls
- No “limited functionality” models!



## Thought Leadership

- Comprehensive BSS product suite
- Winners of Global Telecom Carriers Award 2013 for Best Product/ Service for ROC Partner Settlement
- Pioneering Asset Assurance
- Market Leader in Financial Assurance 2012, Frost & Sullivan
- Awarded Pipeline Innovation Award 2013 for Big Data & Analytics

## Financial Strength

- More than US\$ 60M in Revenue
- EBITDA higher than most other BSS vendors in the market

## Global Presence

- Development centers in India, US and UK
- Over 200 customers and 300+ installations in over 70 countries
- Customers include 28 of top 50 operators\* and 33 of the world's 50 biggest# telecommunications service providers worldwide

• \*GTB Carrier Guide, 2011 ; #Forbes' Global 2000 list, 2011

## Strong Subexian Base

- Global workforce, with local presence at all locations
- Over 800+ Subexians working together to deliver market leading software products

# Thank You

John Brooks  
[john.brooks@subex.com](mailto:john.brooks@subex.com)

