

THE ONLINE TELCO

TRENDS SHAPING THE INDUSTRY





NEW CHALLENGERS



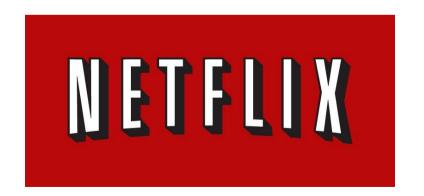








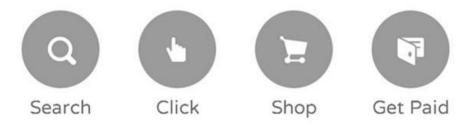




THE ONLINE INDUSTRY



Standard products and services



Ultra-efficient processes



Global markets



Ultra-low cost infrastructure

... HAS DISRUPTIVE EFFECT ON TELCO BUSINESS





OUR BUSINESS MODEL IS CHALLENGED

"Every industry that becomes digital eventually becomes free."

Wired Magazine



TELCO STRATEGIES VERSUS ONLINE PLAYERS



Customer Experience Provider

- End-user services
- Content aggregation/personalization
- Portals, applications, multiscreen solutions

Business Enabler

- Platforms and Enabler services
- CC/CRM/Payment/Billing
- Security, Identity, QoS, Data analitics

Infrastructure Provider

- Ubiquitous connectivity for voice, messaging and data services
- Network based services
- laaS and hosting

BUILDING BLOCKS FOR ONLINE TRANSFORMATION

TECHNOLOGY TRANSFORMATION

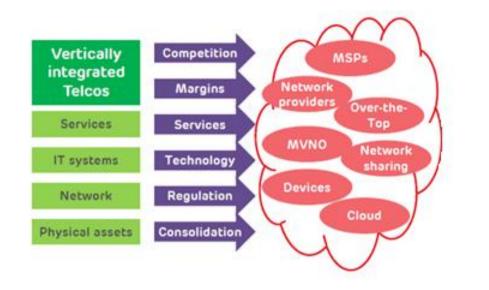
PRODUCT TRANSFORMATION

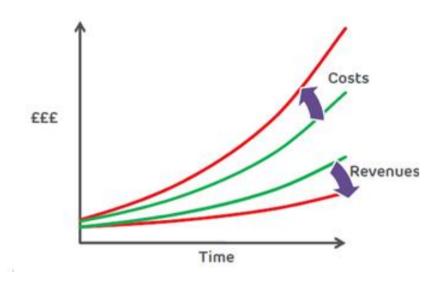
PROCESS TRANSFORMATION

FULLY INTEGRATED, SCALED-UP DISTRIBUTION AND CRM/BILLING

UBIQUITOUS NETWORK CONNECTIVITY AND INFRASTRUCTURE

TECHNOLOGY TRANSFORMATION



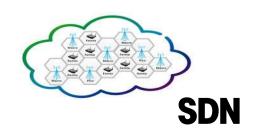


Today's Network and IT architecture were meant for 'vertical' Telcos

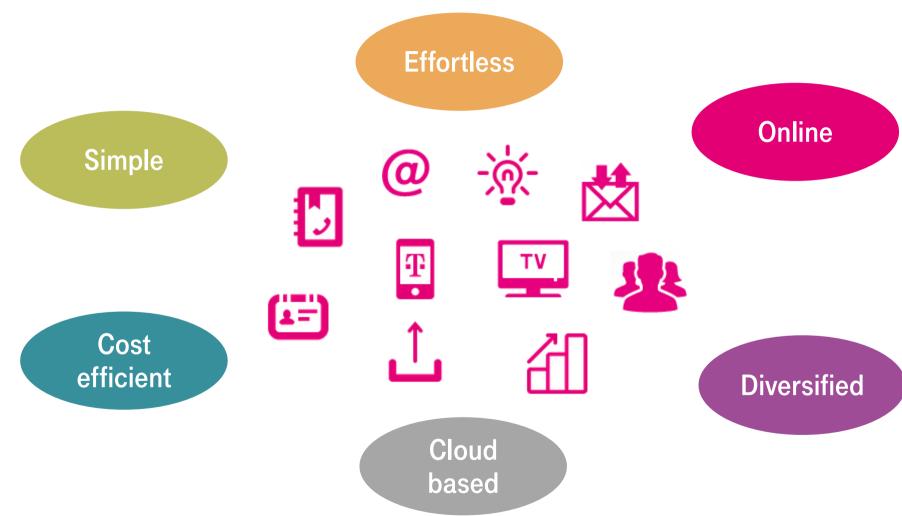
The industry direction makes us to shift towards a 'software-defined' operator





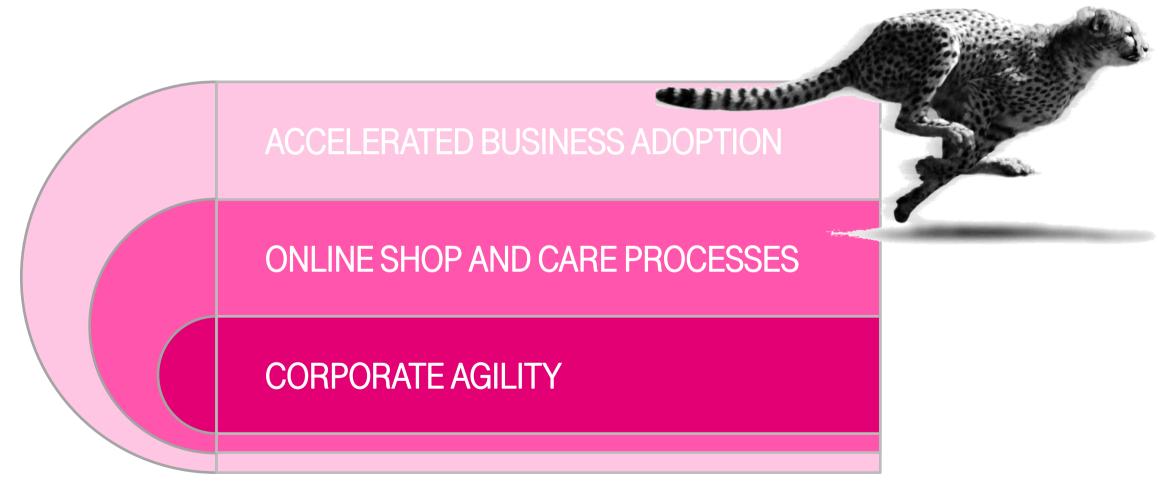


PRODUCT PORTFOLIO TRANSFORMATION





PROCESS TRANSFORMATION



QUO VADIS TELEKOM?

