



ACCENTURE IS A LEADING PROFESSIONAL SERVICES COMPANY

WITH CAPABILITIES IN STRATEGY, CONSULTING, DIGITAL, TECHNOLOGY AND OPERATIONS



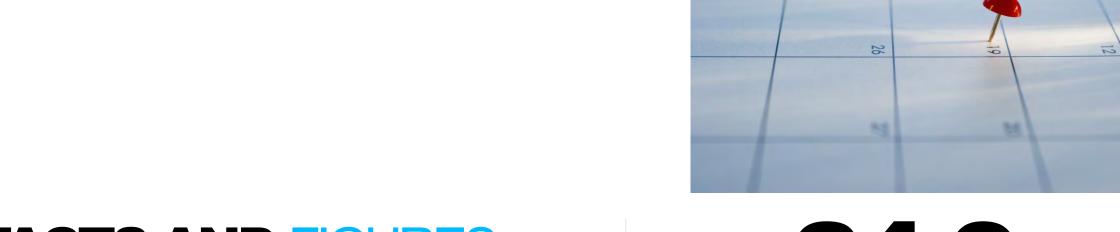




WE ARE ONE OF THE WORLD'S LEADING PROFESSIONAL SERVICES COMPANIES



442000
People globally



FACTS AND FIGURES

WE ARE ONE OF THE WORLD'S LEADING PROFESSIONAL SERVICES COMPANIES Net revenues 34.9 billion USD Fiscal year ended August 31th, 2017

ACCENTURE IN THE NORDICS AND FINLAND

WE HAVE A STRONGLOCAL PRESENCE



WE HELP ORGANIZATIONS ALLOVER THE WORLD MAXIMIZE **THEIR PERFORMANCE AND ACHIEVE THEIR VISION**



OUR WORLD IS UNDERGOING A FUNDAMENTAL SHIFT TO THE NEW...

OLD WORLD

Information scarce
Static hierarchies
Compete to win
Individual productivity
Focus on planning ahead
Efficiency of process

NEW WORLD

Information abundant

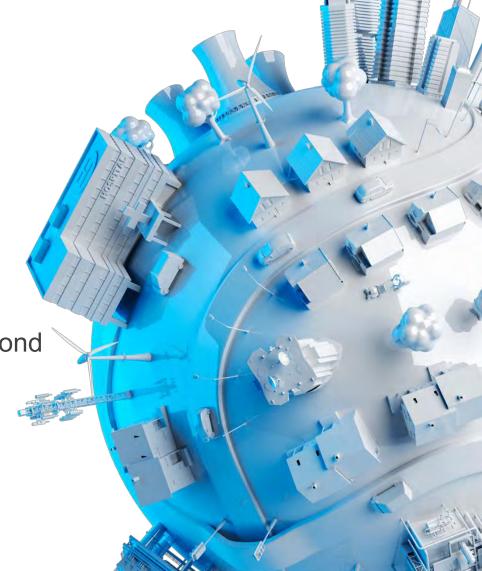
Dynamic networks

Collaborate to win

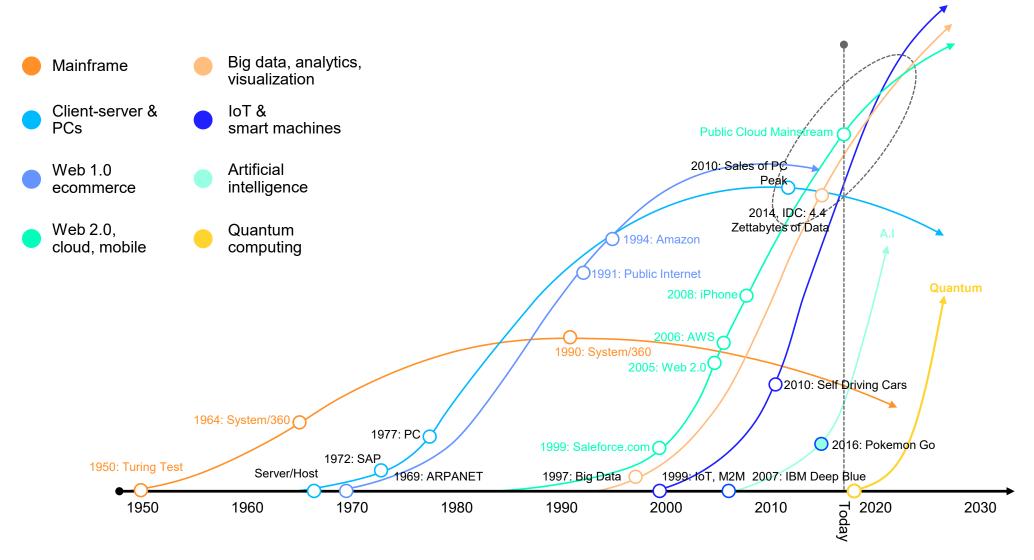
Collective value creation

Experiment, learn and respond

Effectiveness of outcomes



... AND DIGITAL IS ACCELERATING THIS SHIFT IN INDUSTRY EXPONENTIALLY



WE ARE ENTERING THE INDUSTRY X.0 ERA, CONVERGING INFORMATION AND

CONVERGING INFORMATION AND OPERATIONAL TECHNOLOGY



INDUSTRY 1.0
Mechanical production
powered by water
and steam

20TH CENTURY

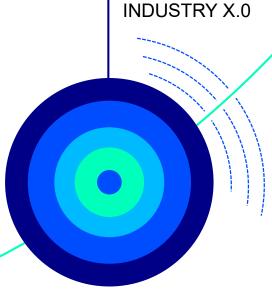
INDUSTRY 2.0
Mass production based on the division of labor and powered by electrical energy

1970 - **RECENT**

INDUSTRY 3.0
Electronics and IT for automation of production and front/middle/back office

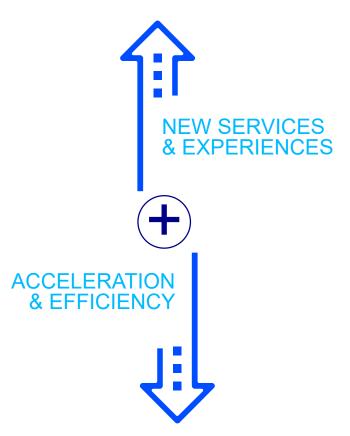
TODAY

INDUSTRY 4.0 Cyber physical production systems



TOMORROW

WHAT IS INDUSTRY X.0?





INNOVATION & GROWTH

TRANSFORMATION OF CORE

DESIGN | PRODUCE | SUPPORT



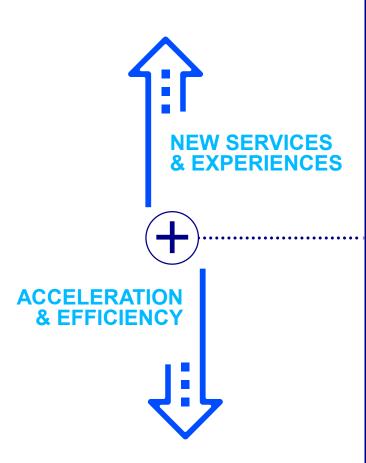






DIGITAL ENABLERS

WHAT IS INDUSTRY X.0?



WHAT WE DO

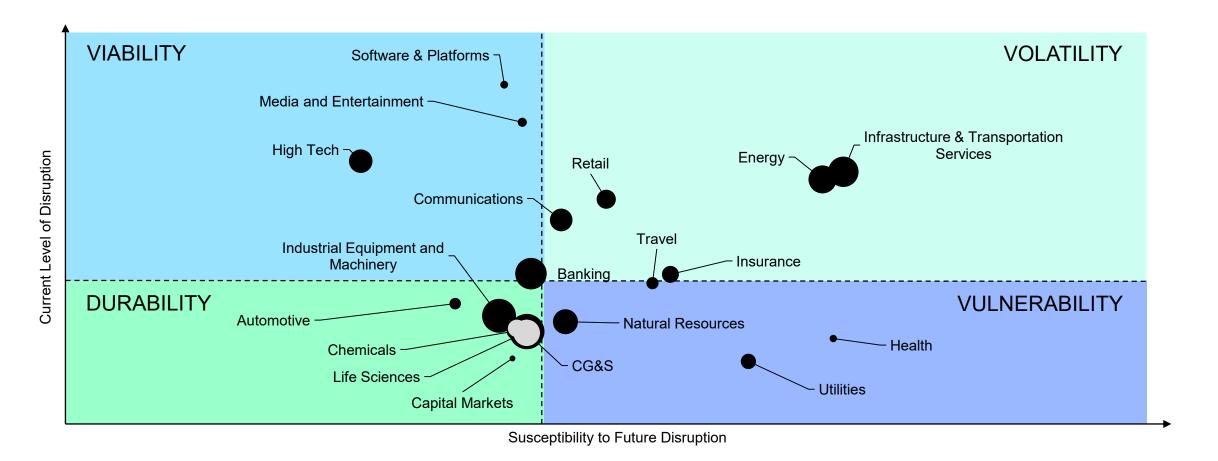
- Invent new Smart, Connected Products and Services
- Transform business models and operations from Product to Service
- Help businesses become Software and Experience Companies
- Enable companies to create and participate in New Ecosystems
- Automate core processes of R&D, Engineering, Production and Support through integrated systems
- Connect machines and sensors and Extract Data and Derive Intelligence to improve performance
- Connect and Enable Workers with new digital technologies
- Apply Next Generation Production techniques - 3DP, robotics etc.

WHAT CLIENTS GET

- New Revenue Streams from as-a-Service and Smart Connected Products
- Personalized Customer Experiences for both B2C and B2B

- Dramatically Reduced Cost and Faster Throughput
- Greater Agility and Responsiveness to demand
- Better Worker Experiences and Productivity

NORDIC INDUSTRIES IN DIFFERENT PHASES OF DISRUPTION – ACTIONS TO BE TAILORED ACCORDINGLY



ACCELERATING THE PATH TO VALUE

THE MORE INTELLIGENT THE INDIVIDUAL MACHINE, THE MORE EFFICIENTLY IT CAN OPERATE AND BE MAINTAINED

RETURN ON INVESTMENT I RO

OPERATIONAL EFFICIENCY

- Asset utilization
- Operational cost reduction
- Improvement worker productivity, safety and working conditions

NEW PRODUCT & SERVICES

- New business models
- Pay per use
- · Software based services
- Product / Service hybrids
- Data monetization



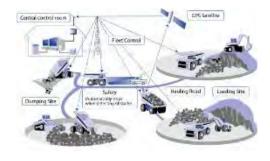
OUTCOME-BASED ECONOMY

- Pay per outcome
- New connected ecosystems
- Platform-enabled marketplace
- Industry blur



AUTONOMOUS PULL ECONOMY

- · Continuous demand-sensing
- End to end automation
- Resource optimization and waste reduction



FROM PRODUCT TO

SERVICE

OUTCOME

PULL

AND REFINERS ARE BEGINNING TO RECOGNIZE THE VALUE OF DIGITAL TECHNOLOGIES

IT'S NOT "CAN REFINERS AFFORD TO" — IT'S "CAN THEY AFFORD NOT TO"?

19%



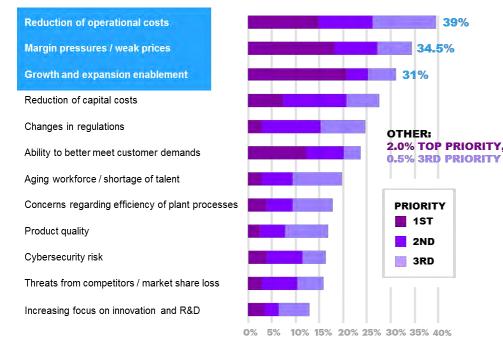
CURRENTLY RECOGNIZE DIGITAL AS ONE OF THEIR TOP 3 SPENDING PRIORITIES FOR PLANT EFFICIENCY AND PRODUCTIVITY – BUT THIS IS SET TO CHANGE

NEARLY TWO



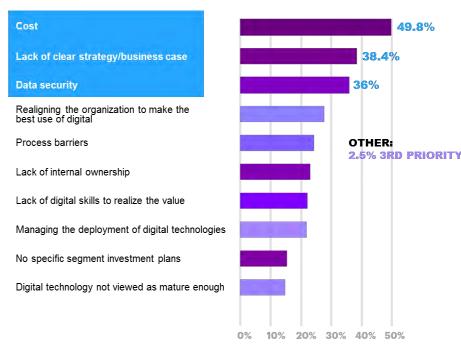
PIANTONS REASE THEIR INVESTMENTS IN DIGITAL TECHNOLOGIES OVER THE NEXT THREE TO FIVE YEARS.

PRIORITIES OF DIGITAL TO REFINERS



Which business priorities influence the digital investments in your refining business? Please rank your top 3 with "1" as top priority.

BARRIERS TO ADOPTION OF DIGITAL IN REFINING

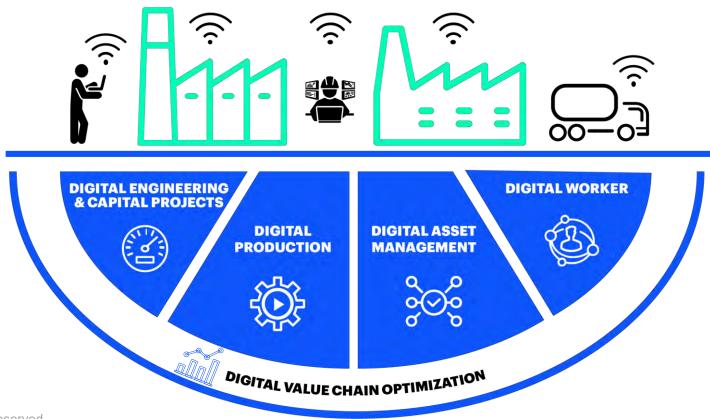


Which barriers, if any, prevent successful adoption of digital technologies in your organization? Please select all that apply.

WHAT IS DIGITAL PLANT? FROM COLLECTION TO COGNITION

Facilitates proactive asset and operations management beyond localized optimization through applied analytics and artificial intelligence at scale.

DIGITAL PLANT/REFINERY



16







ACHIEVING A TRULY DIGITAL PLANT

- Digital requires senior executive leadership and vision, underpinned by proof of concepts that quickly lead to scaled programs focused on maximizing return on investment
- Companies need to drive a culture of innovation and technology adoption – a parallel focus on OT & IT

 Investment in human capital and development programs are needed to promote new, digital thinking and new ways of working

- A methodical approach for developing and/or industrializing the digital foundation is needed, including managing the broader ecosystem of digital partners
- A comprehensive digital enablement plan should be built into business strategy to lead to digital transformation
- Incorporate agile design thinking into development and implementation for fast innovation, fast failure and quick success

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Why Participate in the Industrial Internet Consortium?

- Collaborate and network with like-minded leaders of the Industrial Internet: Small and large technology innovators, vertical market leaders, researchers, universities, and governments
- Drive innovation and grow your business by creating new industry use cases and testbeds for real-world applications
- Join with industry innovators in setting the technology and security direction and requirements for the Industrial Internet
 - Define and develop the reference architecture, frameworks, and security necessary for interoperability
 - Influence the global development standards process for internet and industrial systems
- Participate in the sharing and exchange of real-world ideas, practices, lessons, and insights

CONTACT



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