Responsive & Reliable Leadership

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Mission

IP3

• Create
• Support
• Accredit

The IT Profession

Partnership is key to success!

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Responsive & Reliable Leadership

- Theme of World Economic Forum 2017
- 2016 – Fourth Industrial Revolution
Fourth Industrial Revolution

1st
- Mechanization, water power, steam power

2nd
- Mass production, assembly line, electricity

3rd
- Computer and automation

4th
- Cyber Physical Systems

Last third of 18th century

100 years later

1960’s

Internet of Things

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Cyber Physical Systems

Theory of Cybernetics

Mechanatronic Design

Design & Process Science

Similar to Internet of Things (IoT)

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Internet of Things

- Network of **physical** objects
  - Devices
  - Vehicles
  - Buildings

- Embedded with:
  - Electronics
  - Sensors
  - Network connectivity
    - Collect & exchange data

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Fourth Industrial Revolution Definition

- Contemporary automation, data exchange and manufacturing technologies.
- A collective term for technologies and concepts of value chain organization
- Draws together
  - Cyber Physical Systems
  - Internet of Things
  - Internet of Services
- Extreme automation, connectivity
Definitions

- Responsive – *reacting quickly and positively*

- Reliable - *consistently good in quality or performance; able to be trusted*
The Leadership Imperative

- Rededicate leaders
  - Common goals
  - Drive new initiatives
- Co-design
- CIO’s
  - Professionalism
    - Self
  - ICT practitioners
A Professional

Skills & Knowledge

Competence, CPD

Service

Internal & External Customers Broader Community

Trust

Trustworthiness

Accountable

To himself & his employers

Ethics

Code of Ethics, Ethical Behavior

Pride

Proud of Profession Desire to protect Profession

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How it plays out in business

Why responsive?

- Digital revolution
- Millennials
- Deglobalisation and anti-establishment views
My experiences
Leadership Qualities

- Transformational Leadership
- Unqualified Acceptance
- Empathy
- Listening
- Growth
- Awareness
How does leadership change?

- Revise strategies and business models
- Redesign organizational structures & patterns of working
- New way of “thinking”
Conclusion

- Challenges of Fourth Industrial Revolution
  - Interconnectedness
  - Cyber Physical Systems
  - Artificial Intelligence Embedded
  - Automation

- Responsiveness and reliability - imperative