



PMISV SYMPOSIUM 2019

DIGITAL TRANSFORMATION EFFECTS ON WORKPLACE AND PROJECT LEADERSHIP

PROJECT LEADERSHIP



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AGENDA

- ▶ Digital Transformation
- ▶ Project Leadership
- ▶ What is next?
- ▶ Key Take aways

DEFINITION

DIGITAL DIGITAL TRANSFORMATION

DIGITAL TECHNOLOGY



BINARY
ORGANIZATIONS, PARTNERS,

ELECTRONIC DEVICES APPS
CUSTOMER



~1770s



~1870s



1908



~1990s



~1830s



1903



1971



~early 2000s



TELEGRAPH

- ▶ First technology that enabled instant data transition
- ▶ Samuel Morse
- ▶ Morse Code
- ▶ Data Security
- ▶ Data Storage



TECH ONLY

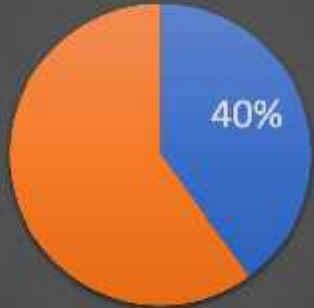
ALL OTHER INDUSTRIES

US Tech: Use of Chat apps



■ Use chat apps ■ Do not use chat apps

Use of Chat Apps in the US



■ Use chat apps ■ Do not use chat apps

Productivity at work actually increases with access to social media cha

CHAT TOOLS LIKE SLACK

- ▶ Instant messenger
- ▶ Brings communication to the open
- ▶ Reduction of meetings and emails
- ▶ Makes communication easy
- ▶ Requires policies



THREE COMPONENTS



Independent worker



Consumer



Companies connecting via App

EST. 60 MILLIONS IN US PARTICIPATE IN GIG ECONOMY EACH YEAR

- ▶ 20–30% in US and Europe are Freelancers
- ▶ 47% of Millennials are freelancers
- ▶ 60% of freelancer depend on money they earn
- ▶ Work outsources to Gig workers rose by 26% from 2016 to 2017
- ▶ More flexibility
- ▶ Harder to find full time work
- ▶ Higher cost for workers
- ▶ Apps replacing middle men



PROJECT LEADERSHIP

AGILE LEADER OUTPERFORM OTHER LEADERS

- ▶ Characteristics
 - ▶ Humble
 - ▶ Adaptable
 - ▶ Visionary
 - ▶ Engaged
- ▶ Behavior
 - ▶ Hyperawareness
 - ▶ Informed Decision Making
 - ▶ Fast Execution



MORE ESSENTIAL TO BUSINESS

- ▶ Collaborative
- ▶ Problem Solver
- ▶ Manage cross-functional teams
- ▶ Coordination and facilitation of meetings and reviews
- ▶ Strong organizational skills
- ▶ Familiar with Cloud technology
- ▶ Data analytics



DIGITAL SKILLS FOR PROJECT LEADER

- ▶ Data science
- ▶ Innovative mindset
- ▶ Security and privacy knowledge
- ▶ Legal and regulatory compliance knowledge
- ▶ Make data-driven decisions
- ▶ Collaborative leadership



WHAT IS

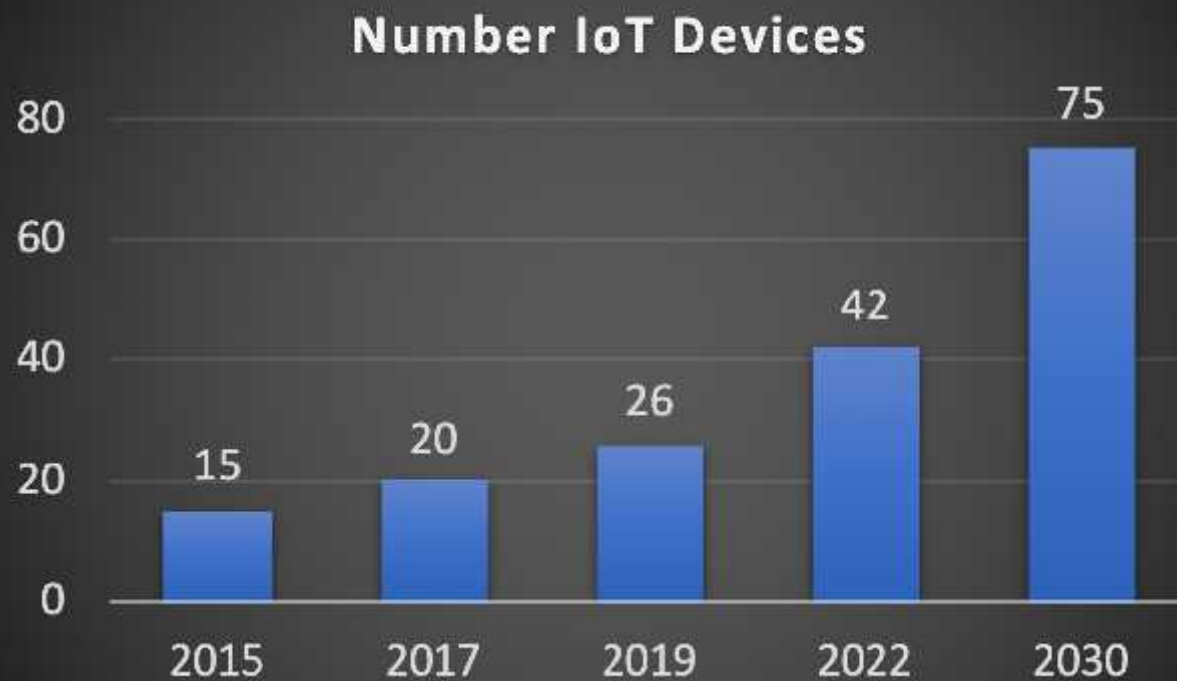
NEXT?

Artificial Intelligence (AI)

Augmented Reality (AR)

Impact and Risks

DIGITAL TRANSFORMATION



AI TERMS

- ▶ Machine Intelligence
- ▶ General Intelligence
- ▶ Machine Learning
- ▶ Neural Networks
- ▶ Evolutionary Computation
- ▶ Generative Adversarial Networks





AI GET TO WORK

- ▶ Assistant
- ▶ Automation
 - ▶ Warehouse Automation
- ▶ Self driving Transportation
- ▶ Surveillance
- ▶ Security Breach Prevention
- ▶ Medical Diagnoses

AR

- ▶ AR vs. VR
- ▶ Applicable to
 - ▶ Manufacturing
 - ▶ Construction
 - ▶ Maintenance / Repairs
 - ▶ Oil and Gas
- ▶ Costly
- ▶ Integrates with jobs



IMPACT AND RISKS

- ▶ Job replacement
- ▶ Job creation
- ▶ Risk of Social inequality
- ▶ Risk of machine made decision process



SUMMARY

DIGITAL TRANSFORMATION

- ▶ Is a journey, not a destination.
- ▶ Requires a clear strategy.
- ▶ Includes changes in culture, processes and tools.
- ▶ Project leader role is essential in this change.
- ▶ Prepare by exploring digital technologies and tools, learning digital skills and growing into a digital project leader.

THANK YOU



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AVIATION

- ▶ Computers transformed
 - ▶ Design and Manufacturing
 - ▶ Flight Control and Navigation Systems
 - ▶ Engine Performance
 - ▶ Reduction of Human Error
 - ▶ Vulnerabilities

