

Operational Data Infrastructure as a foundation to Digital Transformation

OSIsoft Middle East February 2019 85% of Executives believe AI will sustain or give a competitive advantage.

-MIT SMR & OSIsoft Exec Forum

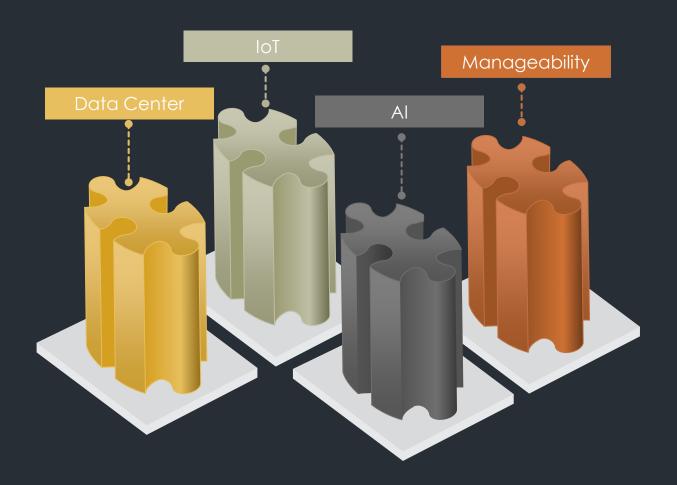


38% of Enterprises feel pressured to be 100% Cloud today.

IT spend on cloud has increased by 36% in the last 2 years.
-IDG



What is your transformation strategy today? Industry Megatrends...





Time to Value through Digital Transformation – how?

"The convergence of the physical and digital worlds begins with sensors and sensory data... Such data is becoming the currency of the Industrial Internet economy."



Source: World Economic Forum. Industrial Internet of Things: Unleashing the Potential of Connected Products & Services. January 2015.

Assets Plant Enterprise Critical Operations Multiple Multiple

Community

Sensors

Millions of **Smart Devices**

Assets

Plants





Translating the megatrends for Critical Operations

Cloud

IoT

Al

Data
platforms & scale
are changing

Operational data scope is increasing

Data consumers are changing

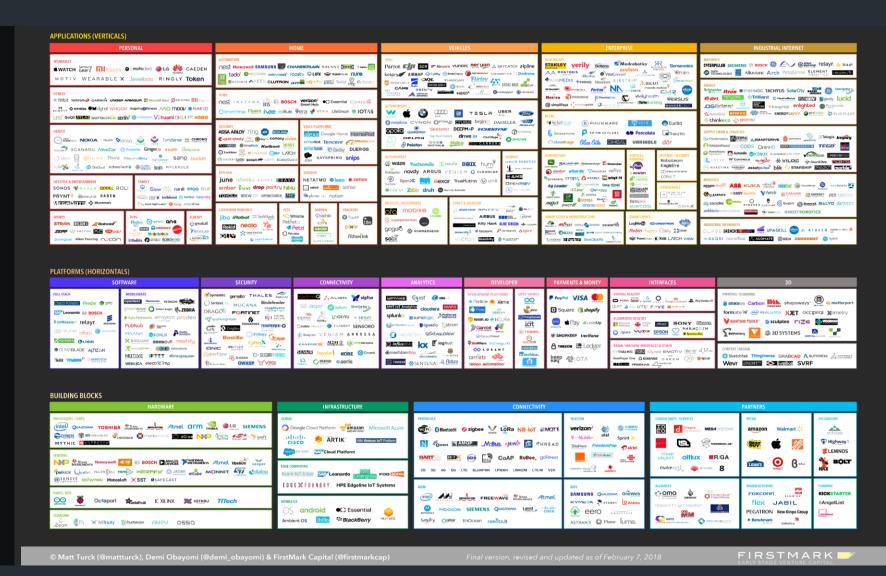


loT is one of the most disruptive forces CIOs must contend with today.
-Gartner

80% of IoT implementations will squander transformational opportunities and fail to monetize IoT data.

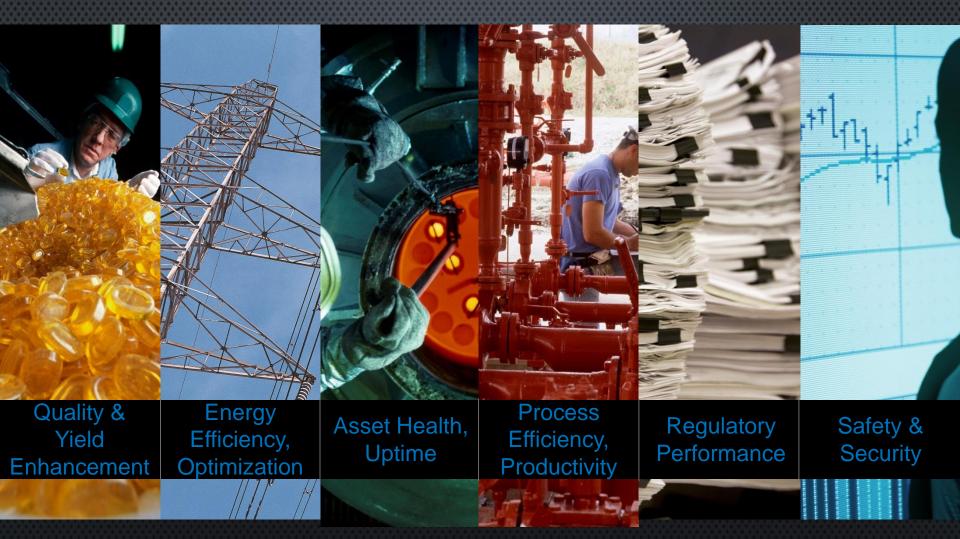
-HBR







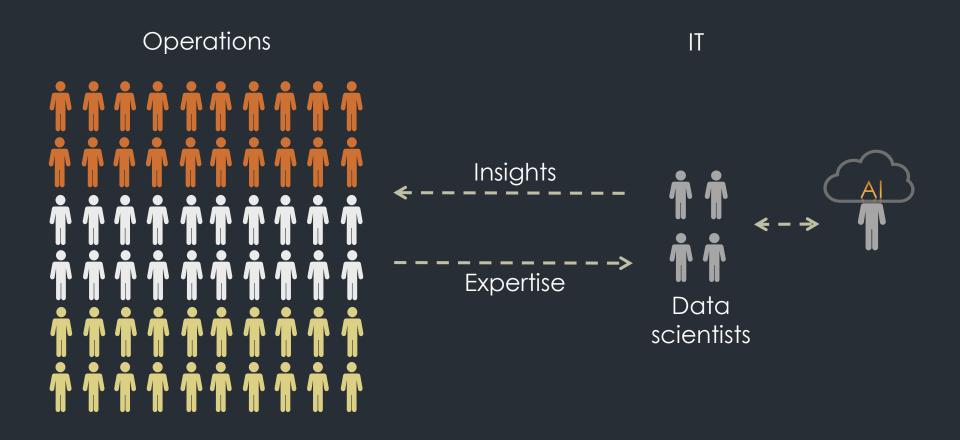
Accelerating Digital Transformation through Critical Operations



Across the Enterprise



Focus on Operations people enablement





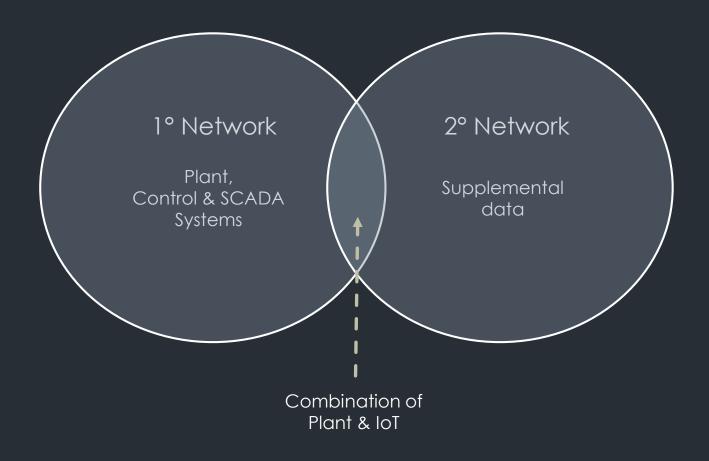
Real-time Operations Data is being created everywhere

- Creating islands of systems
- Demanding we connect data, to systems, to people, to actions
- Availability and accessibility of this data is critical



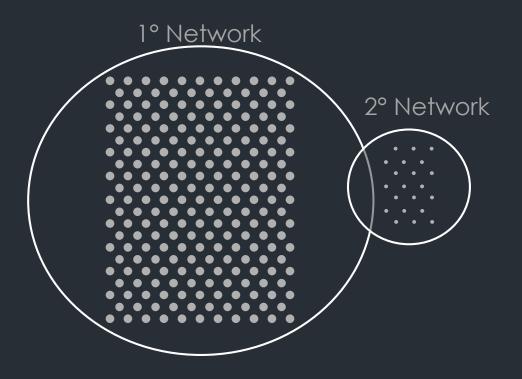


The promise of IoT





The reality of new sensors today





What is an Infrastructure?

in'fra'struc'ture [in-fruh-struhk-cher]

"It can be generally defined as the set of **interconnected structural** elements that provide **framework supporting** an entire structure of development¹"

Traits of an Infrastructure





¹ Online. January 7th 2014. http://en.wikipedia.org/wiki/Infrastructure



From Data to Operational Intelligence





Approach to an IoT Enabled Enterprise

Analytics/ GIS/BIG Data **Vendor Applications** 3rd Party Services **Real-time Monitoring** Application Ready Real-time Decision **Enterprise** soft **Operations** Infrastructure Serational Intelligence 0000000000 Automation/Control New Sensor Remote and Mobile Systems Technology Assets

IT – Business Intelligence

OT – Operational Intelligence



Critical Operations is the core of a manufacturing business

The impact of Digital Transformation and Big Data initiatives can be accelerated - and scaled - through a Data Infrastructure focused on Critical Operations





Thank You

