

Emerging Technologies Empowering Business Transformation

GS1 Hong Kong Summit 2019

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ubiZense

AIW Syndrome



Would you tell me, please, which way to go from here?

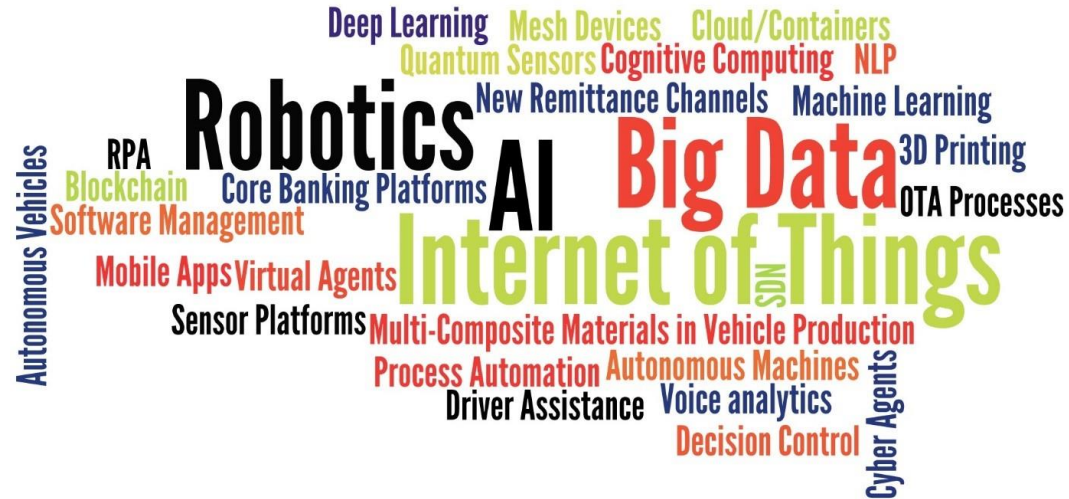
That depends a great deal on where you want to get to.

I don't care much where.

Then it doesn't matter which way you go.

88 IoT innovations from 2004 – 2014
40% show disappointing results

Emerging/Disruptive Technologies



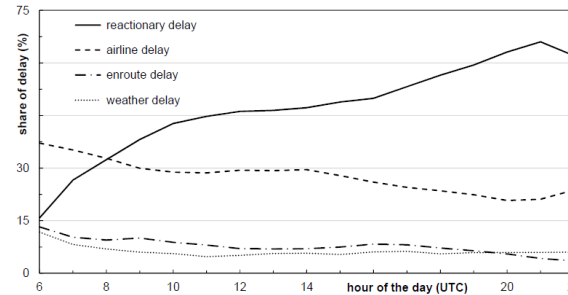
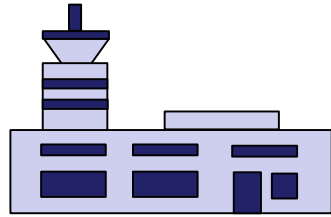
Courtesy: Clustre (2017)

Projected spending by 2021

IoT – \$1.1 trillion
AI – \$52.2 billion
Robotics – \$218.4 billion

IDC (2018)

Hong Kong International Airport Journey



Source: Eurocontrol (2016)



HKIA

- Top 20 by OTP - 71.51%
- 427,725 air traffic
- 5.1 mln tons air cargo
- 74.7mln air passengers

Airport Delay

Delay is often caused by airport operations (reactionary delay)

Turnaround

- ✓ Debris check
- ✓ Chock on
- ✓ Auxiliary power
- ✓ Air conditioning
- ✓ Baggage and cargo
- ✓

ubiZense services



IoT sensors

Track organizational performance



Data Cloud

Synergize organizational/IoT data



Artificial Intelligence

Artificial Intelligence

Make sense of (un)structured data



Actionable insights

Make better informed decisions



Organizational data consists up to 80% of unstructured data (Gartner, 2018)



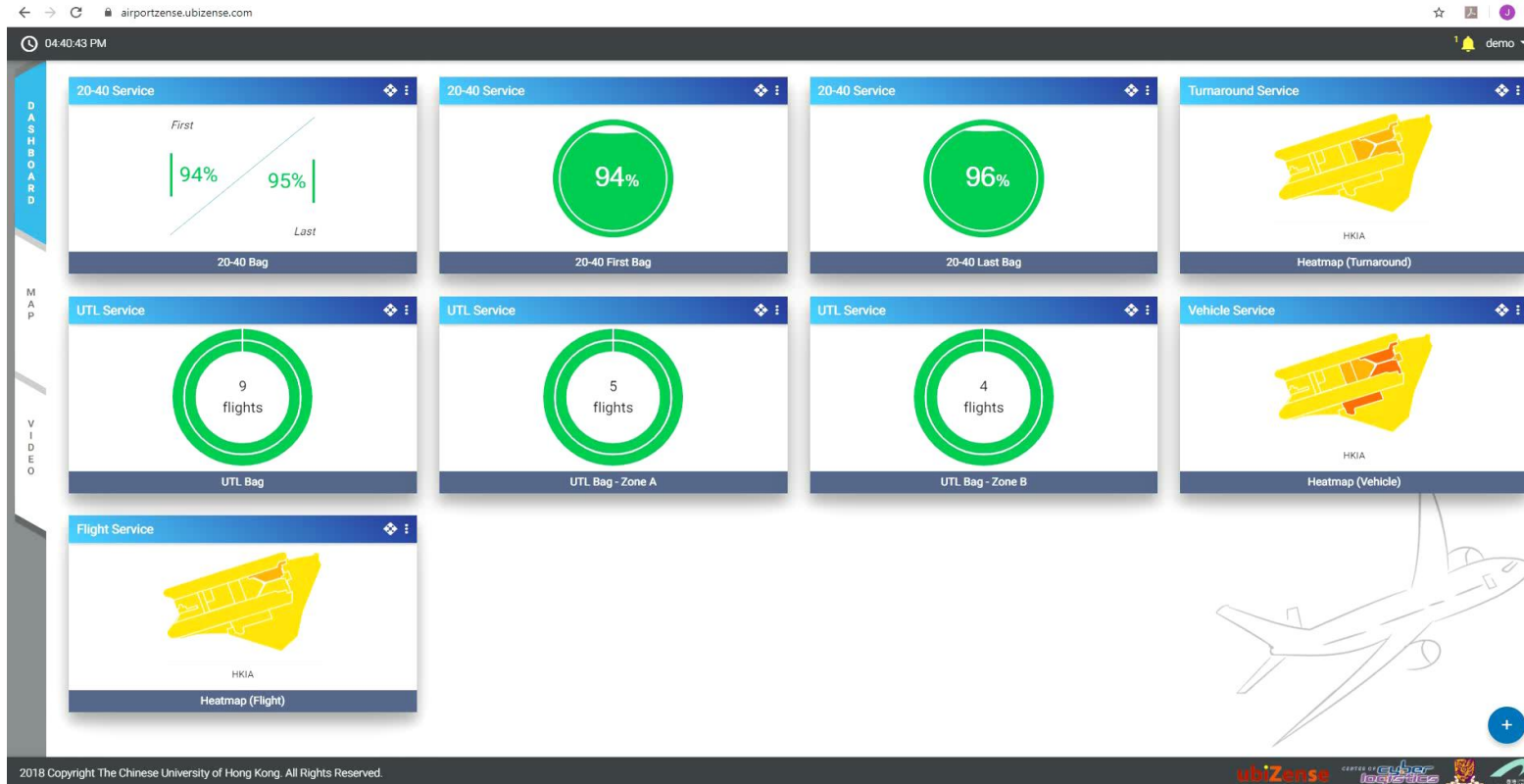
- ✓ Descriptive Analytics
- ✓ Predictive Analytics
- ✓ Prescriptive Analytics

Cater individual user needs



The Fitness Tracker of organizational performance

AS2 in Action



Real-time management dashboard to view turnaround visibility in an eye glance

Augment IoT data with flight data to measure and predict turnaround processes

Transforming unstructured data to structured data

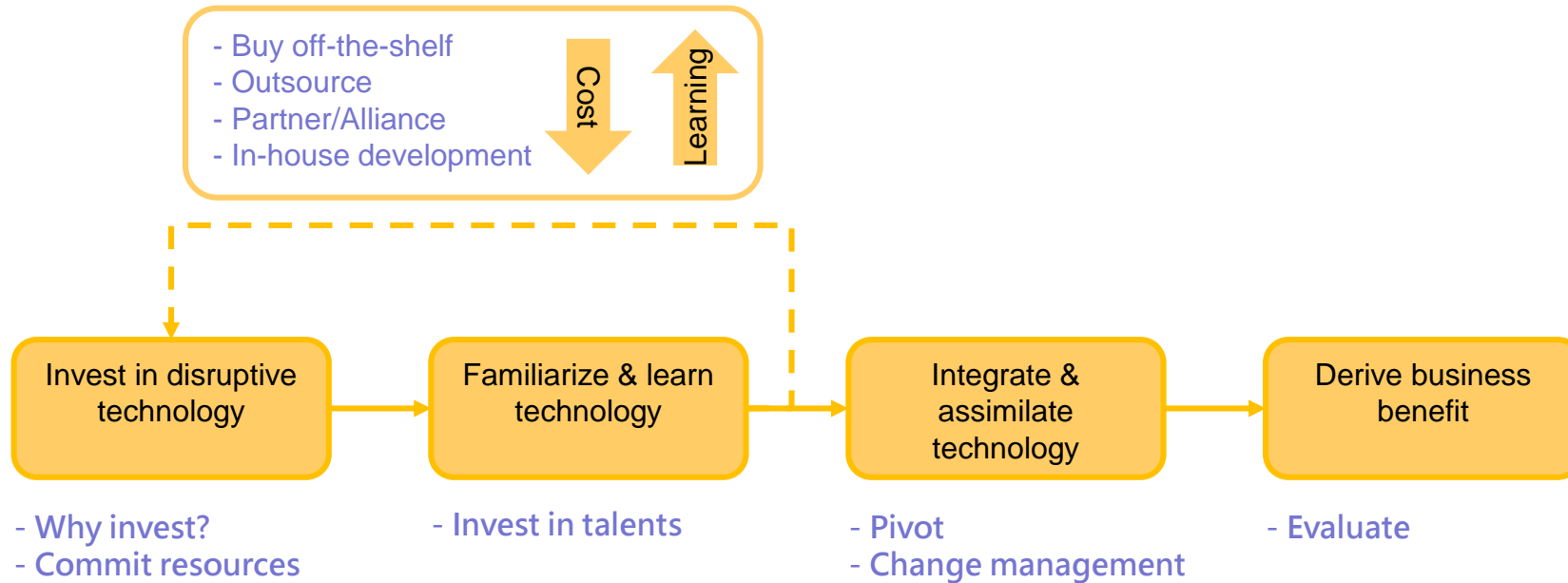
AS2 Solution

- One of the **first integrated IoT network solutions** for airfield operations
 - **Three** different IoT network resources
 - **Interoperability** with existing systems and IoT technologies
 - Conform to the international **A-CDM standard**
 - **Cloud based solution**

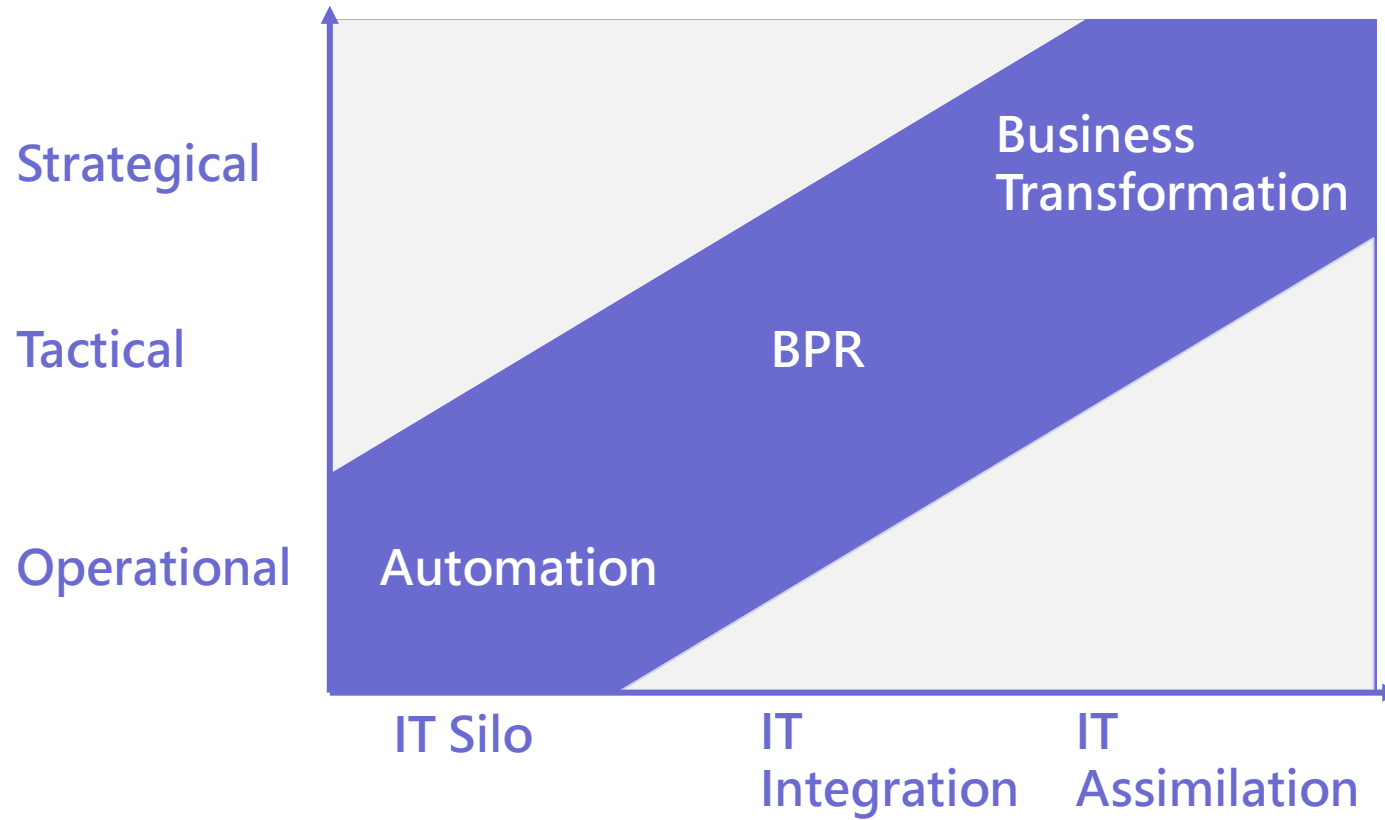


Benefits	
Operational	Less staff to monitor CCTV Eliminate manual data entry
Tactical	Improved baggage arrival 75% - 90%+ Projected annual fuel saving 5.5mln liters~ \$22mln
Strategical	Management by experience to management by data Single Source of Truth

Learning with Emerging/Disruptive Technologies



Mindful Business Transformation

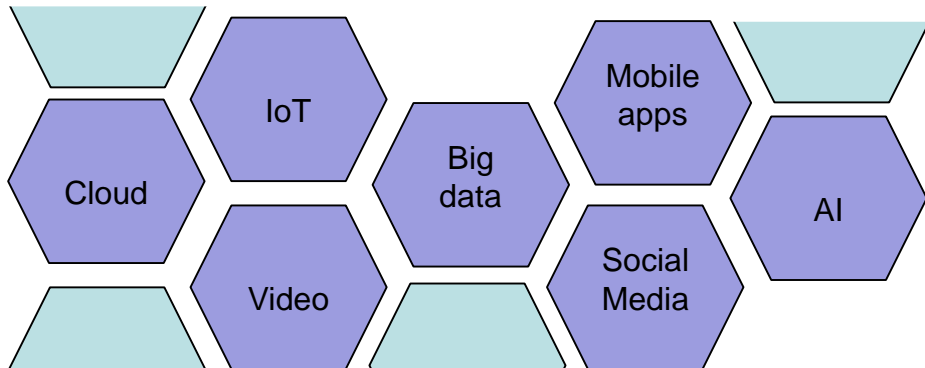


Mindful vs Mind Full

Managing operations with 20% of available data



Disruptive technologies abundant



Zense - be mindful not mind full



Thank you

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