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Power BI - A look into the future with mixed reality

Ida Bergum

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Welcome to my session

Recently Power BI announced Power BI for Mixed Reality app (Preview). Interacting with a mixed-reality app is different from interacting with a computer, or even with a tablet or phone. In this session I will demo a case with Power BI and mixed reality on a Hololens. Show some of the tips and tricks and cases where it might be applicable.

Agenda:

1. Me
2. Avanade Analytics
3. What is mixed reality?
4. Power BI application on the Hololens + Demo
5. Customer case POC Demo
6. Use cases
7. Full digital feedback loop
8. What the future holds..
9. Q&A and if time you can try it yourself

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1) Me

- Analytics specialist in MS Data platform
- Avanade 3 years, Analytics TC- Analytics Experience
- Big Power BI fan and speaker

@IdaBergum / https://www.linkedin.com/in/idabergum

2015

Graduation

- Bachelor in IT- Digital Marketing (NITH)
- Msc. in Digital Business Systems

Joined

2016

Started using Power BI

2017

First speaker event

- Customer story at MS Data Summit in Seattle

First SQLSat presentation

2018

UG

- Board member MDPUG, speaker
- PBIUG NOR

MS Bus Apps Summit

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2) We have unparalleled expertise with analytics on the Microsoft platform

Managed Services Options leveraging Hybrid, Cloud & On-Prem

BI COE As a Service

Analytics Application Development Factory

Migration Factory

Avanade Analytics

Global Modern Data Platform *Innovation Lab*

43% of our customers are in the Global 500

550+ Analytics customers across all industries

3,400+

D&A Consultants worldwide, 15+ in Norway
1,000+ Data Scientists, 5 Norway
100+ Power BI Worldwide, 3 Power BI SME's

Avanade Modern Analytics Platform On Azure

Analytics for *Dynamics AX*

Industry & Technology accelerators to jumpstart & accelerate delivery

2,500+ man years of Data & Analytics experience

Analytics Studio where data visualization and data interpretation drive analytic experiences and business insight

70 Locations

22 Countries

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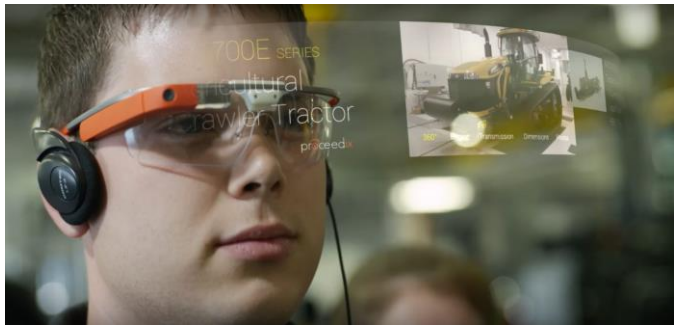
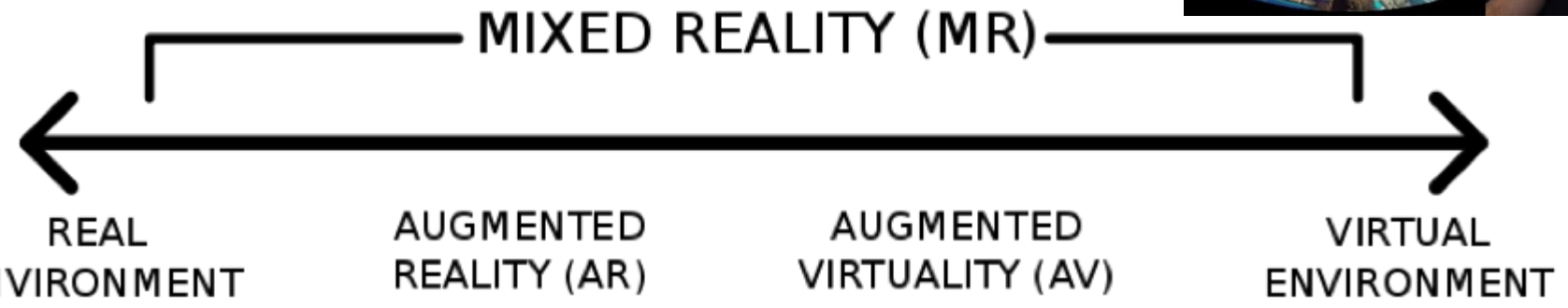
3) Hololens, what's it all about?

Augmented Reality (AR)	Virtuell Reality (VR)
The system extends the real world The user keeps the feeling of presence in the reality Needs a device like the Snap spectacles, Google Glass	Total 3D generated environment The senses is being controled by the device Needs a device like Oculus Rift Hard to make the VR world interesting





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4) Power BI for Hololens

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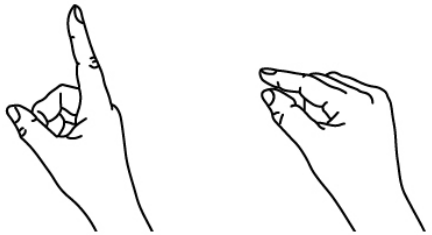
4.1) How to use it



Classic View

- Air Tap = mouse click
- Pin an item

Holographic view (a bit buggy)

- Place in physical space
- Voice commands "Follow me», «Dock», «Place here», «Go home», «Remove», «Remove all»
- Scan QR code

MR Gestures

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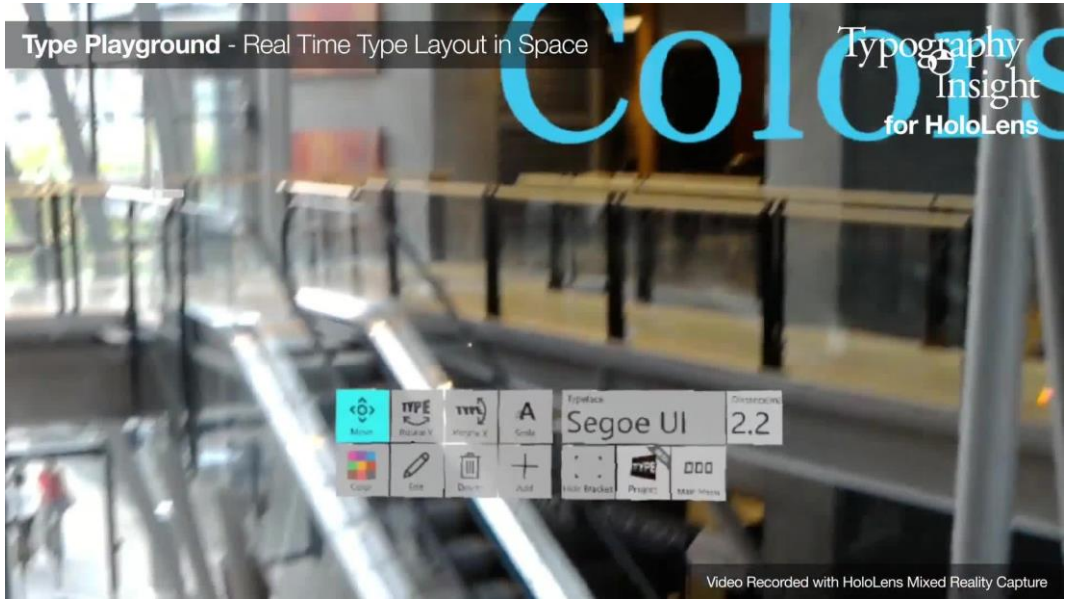
4.2) Considerations when creating a report

1) There's just never enough space

2) Layout: Remember you are in a mixed reality

3) It's hard to filter, scroll- slice and dice



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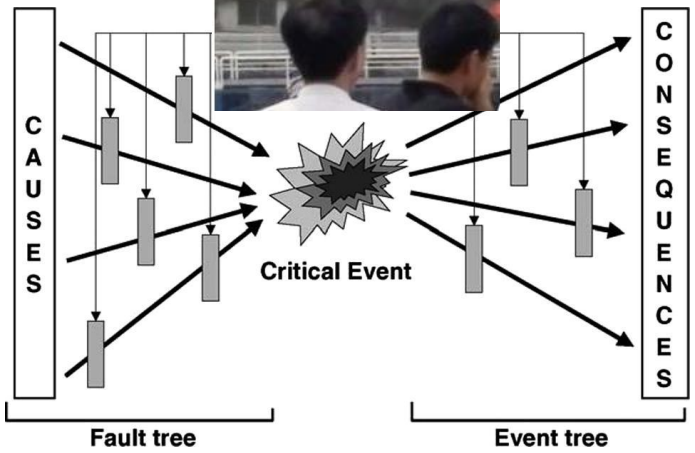
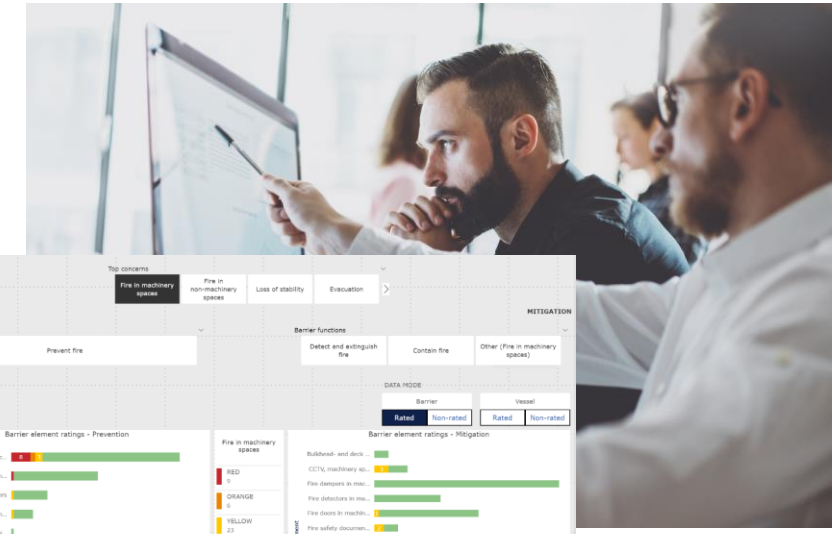
5) HoloLens and Power BI for Maritime Safety

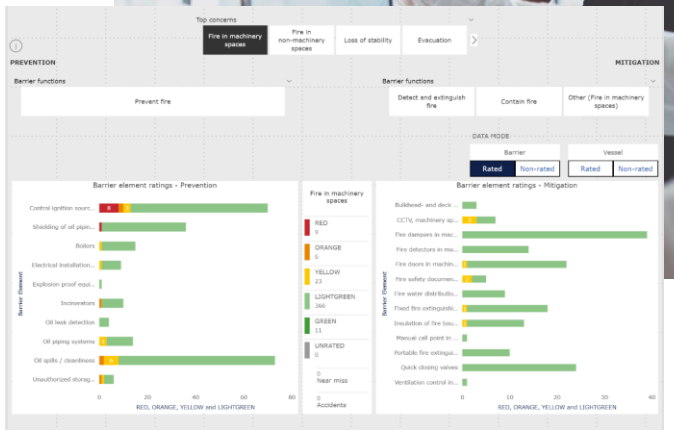
Plan
What is failing and need more focus? Barrier Model

Execute
Rate focus barriers aboard vessel, repair

Evaluate
Share results with Top management, Inspect, adopt







5.1) Engine room fire safety

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5.2 Demo

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6) Mixed Reality and Power BI use cases

Firstline Workers represent more than 2 billion people

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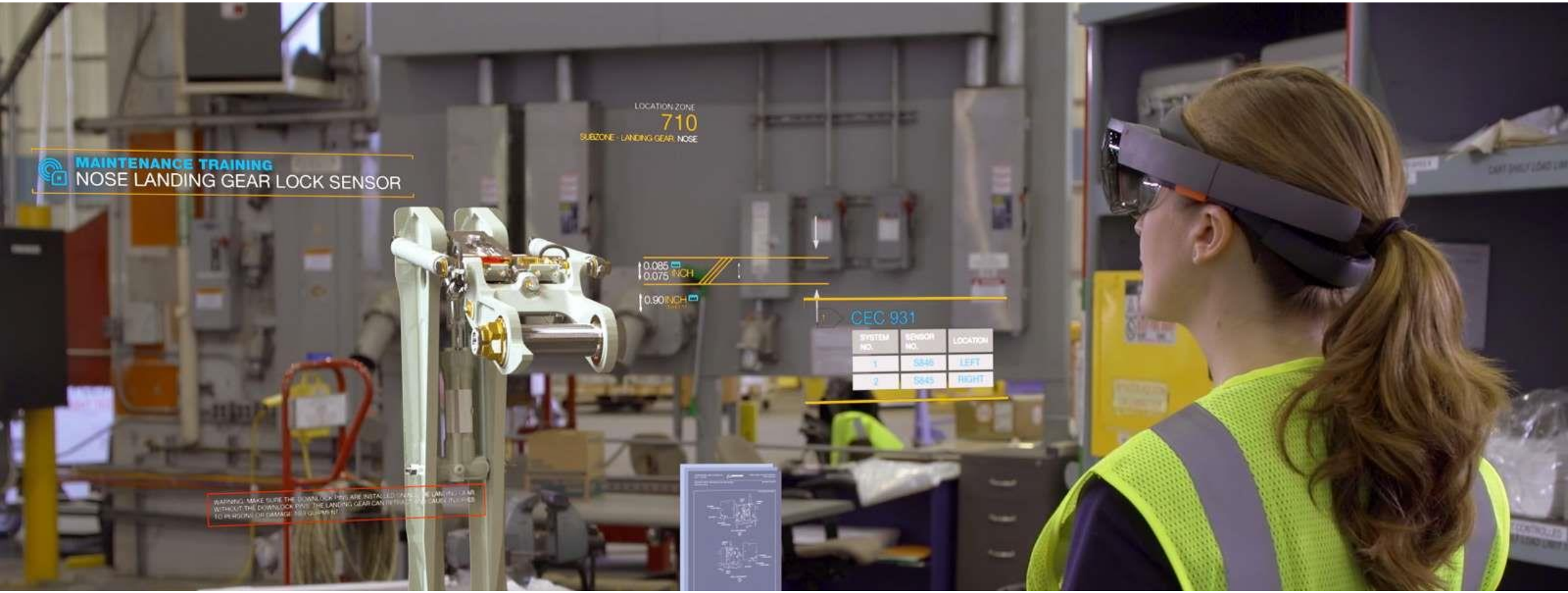
6.1) Factory floor



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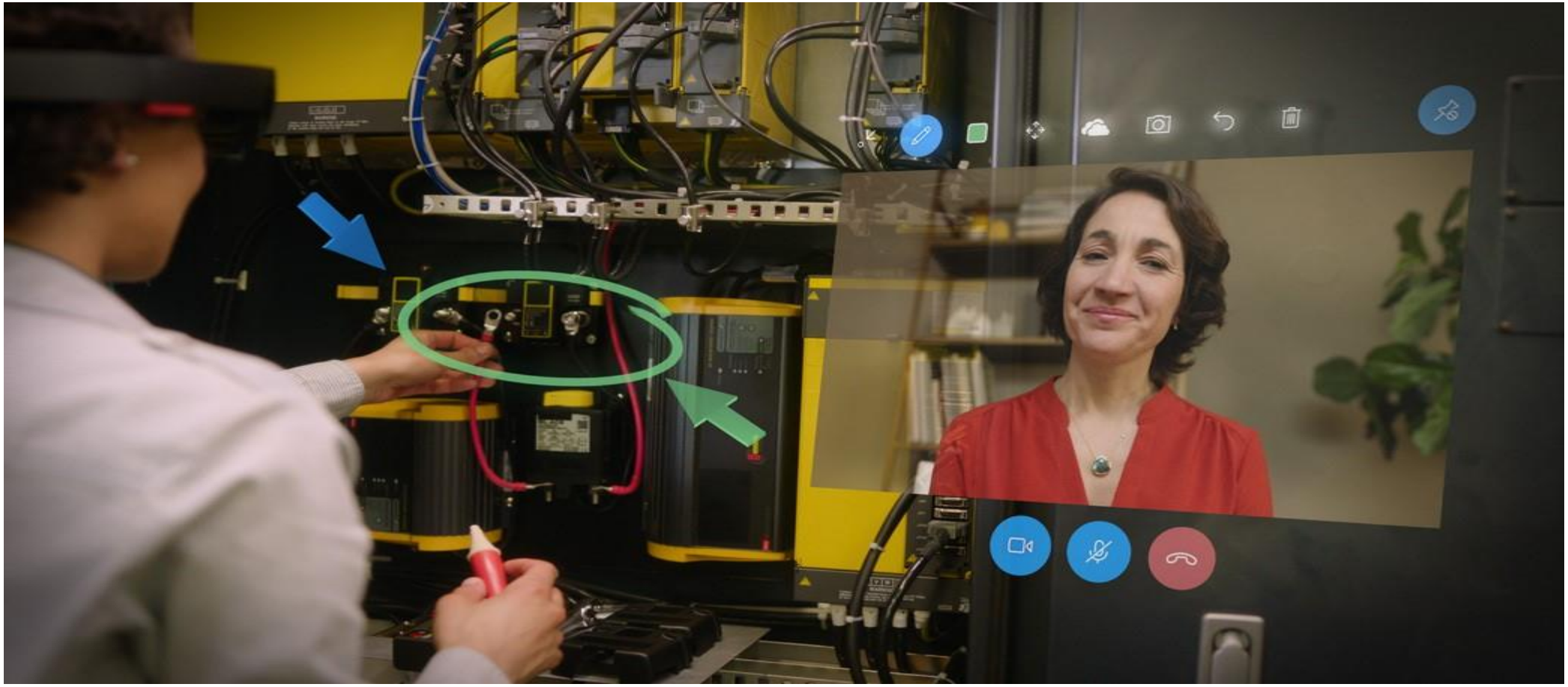
6.2) Remote assist/expert support



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6.3) Field workers / Repair and maintainance

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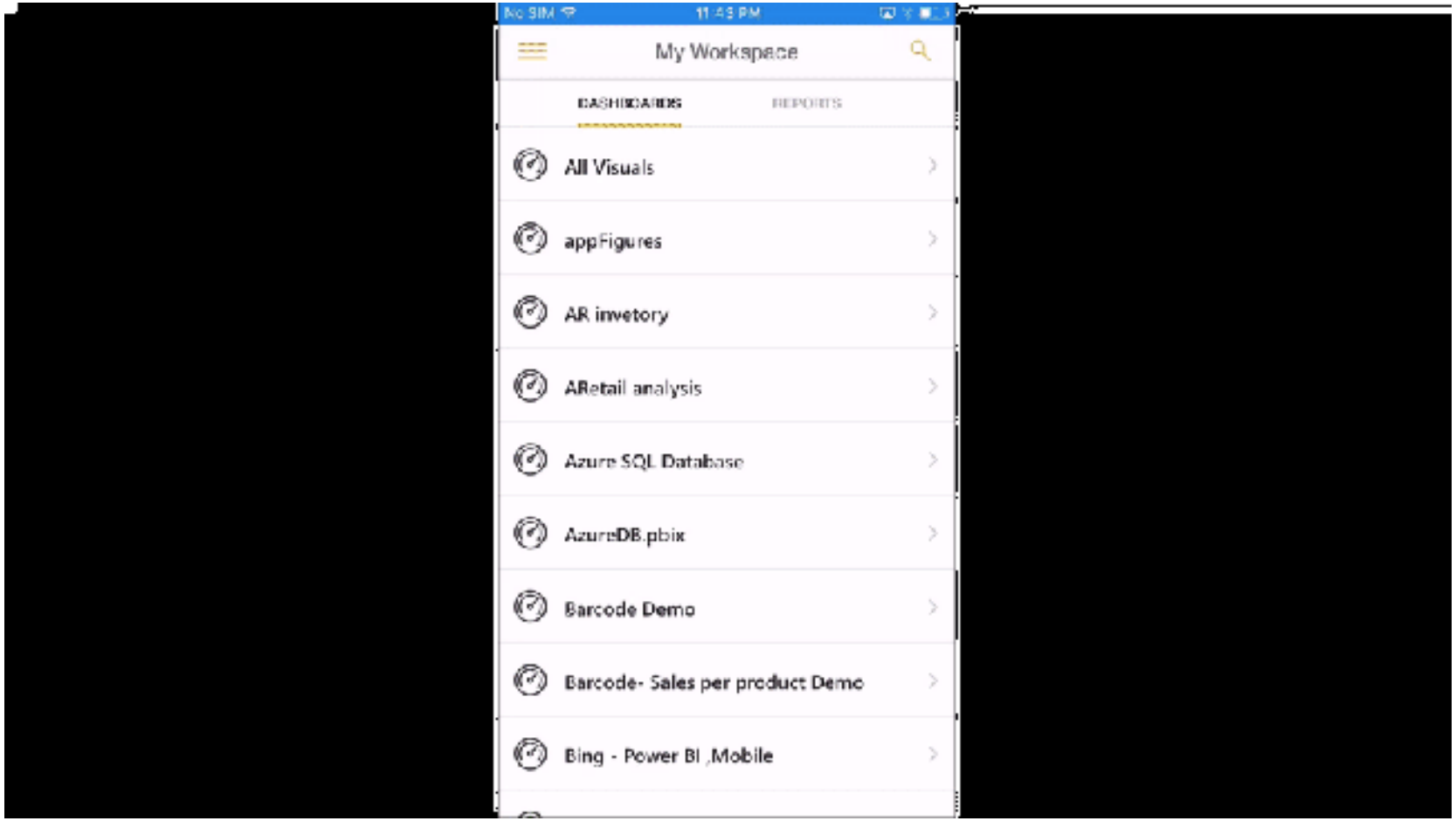
6.4) Retail- Inventory



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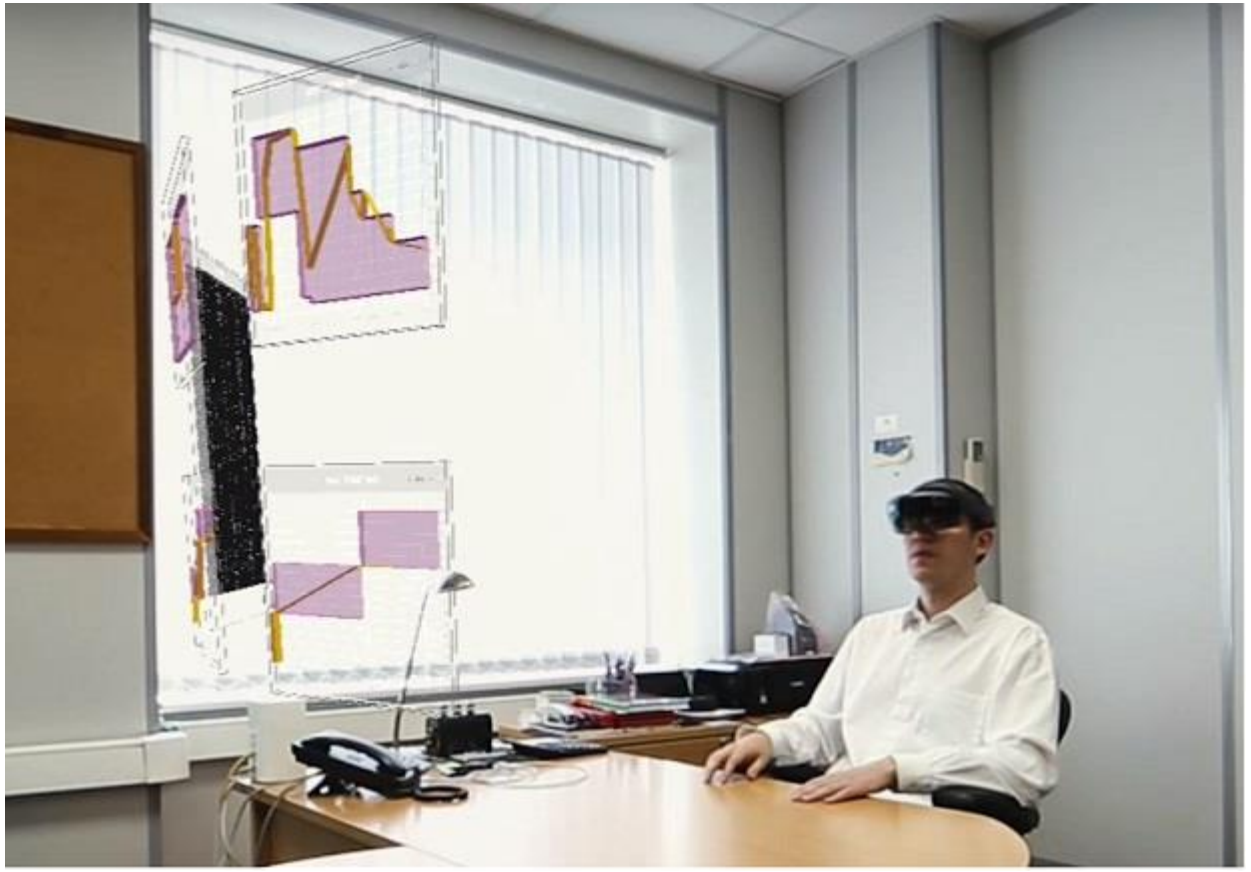
6.5) Trading



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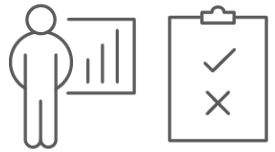
7) Next step: Full digital feedback loop

With Dynamics 365 Mixed Reality apps, physical spaces and interactions become digitized

Factory and field service worker. Patient and provider. Storefront and supply chain: These employees need information in context to apply their knowledge and craft.

View Power BI dashboards linked to Dynamics 365 work orders in Remote Assist. Leverage work order data from D365 Field Service on-site using the common data service



Microsoft has focused on integrating mixed reality business applications with the common data service that underlies Dynamics 365 so that companies get the full value of high-value data connecting the full workflow

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8) The future..

Gen 2: "Sydney"

- Improved field of view
- Analyze visual data locally
- Lighter
- More comfortable to wear
- Reduced cost significantly

Early 2019?

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8) Q&A

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