How can the digital transformation support the workplace experience?

ISS indlæg på – Intelligent bygnignsdrift



Christian Gaardboe Carlsen Title: Head of Property Excellence Opportunities for Digitalization

Connecting People with Buildings:

- Data Connectivity

 Real-time & Historical
- Data Insight
 Analysis & WO triggers
- Data Prediction
 Usage and workplace optimization



It's not only about assets... ...it's really about people



INCREASED USER EXPERIENCE



EASIER COLLABORATION HIGHER EMPLOYEE PRODUCTIVITY LEARNING ENVIRONMENT EFFICIENT WORKING ENVIRONMENT

Digitalizing the Workplace and Service Experience



Digitalizing the Workplace and Service Experience



Current Smart Building Use Cases



We are taking our own medicine:

Sensors installed everywhere

At the ISS HQ

What is the technology behind

Back-end solution for an IoT connection to FMS



Back-end Solution loT connection to FMS

High level technical solution

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Subscriber



ISS Dashboard – Predictive Maintenance



To be situation

Monitoring (live dashboards): Asset health Alarms

Control (historical data analysis): Energy Consumption Uptime

Optimization (triggers):

- Reduce asset break down and increase asset life time with correct service
- Reduce unnecessary service deliveries
- Proactive service and repair before asset breakdown
- Automatic service registration in FMS (TRIRIGA)



What happened?

Lets fix it!

Technology innovations Something for the future – internal building navigation



- A potential solution to support way finding navigation at large sites
- For new employees or visitors who are unaware of a sites layout
- Visiting or site based FM delivery staff carrying out service tasks



- Future design would allow a user to raise a task directly from the 360° Visualization
- Link IWMS data to specific assets in the map so that service teams can access historical data from one view, rather than switching systems

Building *usage*

Service delivery Productivity and user satisfaction

Thank you for your attention!

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