Tech Talk Emerging Technologies

Matthew Wittemeier INFORM GmbH



Current/Known Technologies

for operators...

Terminal Operations

Autonomous Vehicles Big Data Electric Vehicles Smart Devices IoT

Operational Efficiency

Big Data Cloud Intelligent Optimization for venders...

Training Big Data Smart Devices IoT

Deployment Cloud

for industry...

Transparency Big Data

Efficiency Big Data





Virtual Reality (VR)

"Digital environments enable a proactive mode of safety design in which we no longer need to draw conclusions only on the basis of estimates and statistical data."

Kalmar



Video: ITI VR Crane Training

10.4





Augmented Reality (AR)

Approximate time to reach 50 million users

/INFORM

Telephone	75 years
TV	13 years
Internet	4 years
Pokemon Go	19 days



Chatbots

"The chatbot receives both voice and text-based queries from a broad range of input sources, recognizes the request, searches for the answer, and sends the answer back as a text response in real-time."

INFORM

Dr. Eva Savelsberg, SVP at INFORM



Blockchain

"While blockchain was popularized by the fact that digital currencies like Bitcoin operate using its technology, blockchain has many applications that have nothing to do with finance."

Jack Filiba, eXeBlock





Edge Computing

Card

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"In most scenarios, the presumption that everything will be in the cloud with a strong and stable fat pipe between the cloud and the edge device - that's just not realistic."

Helder Antunes, Senior Director of Strategic Innovation at Cisco





Digital Twins

"Digital twins are becoming a business imperative, covering the entire lifecycle of an asset or process and forming the foundation for connected products and services. Companies that fail to respond will be left behind."

Thomas Kaiser, SVP of IoT at SAP



Practical Applications

for operators...

Terminal Operations

Augmented Reality Chatbot Edge Computing Virtual Reality

Operational Efficiency

Augmented Reality Edge Computing Digital Twins Virtual Reality

for venders...

Training Digital Twins Virtual Reality

Deployment Blockchain Edge Computing for industry...

Transparency Blockchain

Efficiency Blockchain Edge Computing





Artificial Intelligence (AI)

"We are seeing artificial intelligence being introduced more and more in the manufacturing industry and also in logistics."

Dr. Ulrich Dorndorf, CTO at INFORM





Machine Learning (ML)

"Companies are increasingly beginning to use Machine Learning to predict future events, based on large numbers of explanatory variables, as opposed to traditional approaches where they would just try to project the past behavior into the future."

Dr. Ulrich Dorndorf, CTO at INFORM





Future Considerations

"Millennials will comprise more than one of three adult Americans by 2020 and 75 percent of the workforce by 2025."

Forbes



Thank You

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