

# HOW AI IS SUPPORTING INDUSTRY 4.0

## COMPETING ON INSIGHTS



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Software AG

**A Think About It! Presentation**



# WHY IOT AND AI ARE NOT AN OPTION MEGATREND

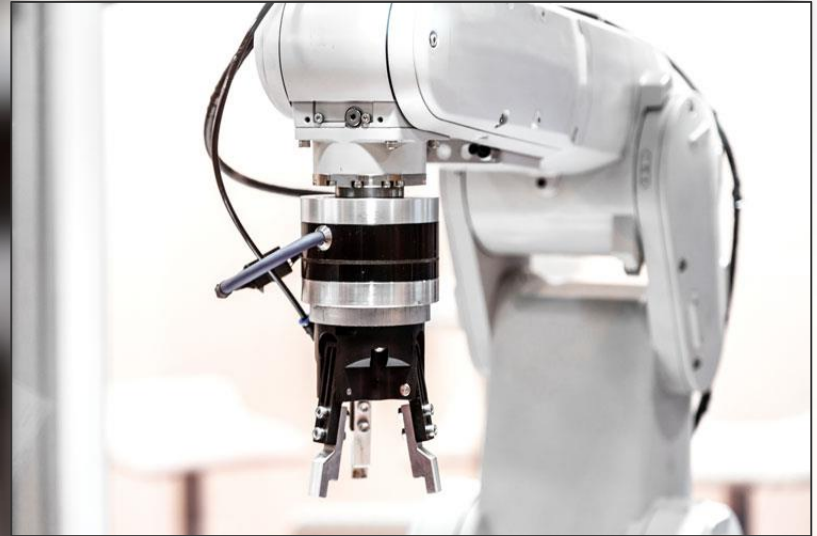


Courtesy:  
American Airlines

# HOW TO GROW PRODUCTIVITY IN AN AGING WORLD



# THE INFLUENCE OF AI ON THINGS



**Spot the robot with AI**

# **AI IS CAUSING THE NEXT WAVE**

## **AND IT IS GOING TO BE A TSUNAMI**

**Inevitably disrupts all industries**

**A new generation of platform companies emerge**

**Will change the way we do business profoundly**

# SO WHAT DOES AI/ML CONTRIBUTE

**Mine your collected experiences for insights**

**Turn insights instantaneously into actionable responses**

**Apply at scale based on a 'truly open & connected world'**

# WHAT WILL IT MEAN TO YOU?



**Dürr Is Part Of the ADAMOS Initiative**

**Very successful, blueprint for industry-led innovation**

**Please visit Software AG at our booth in Hall6, E46.**

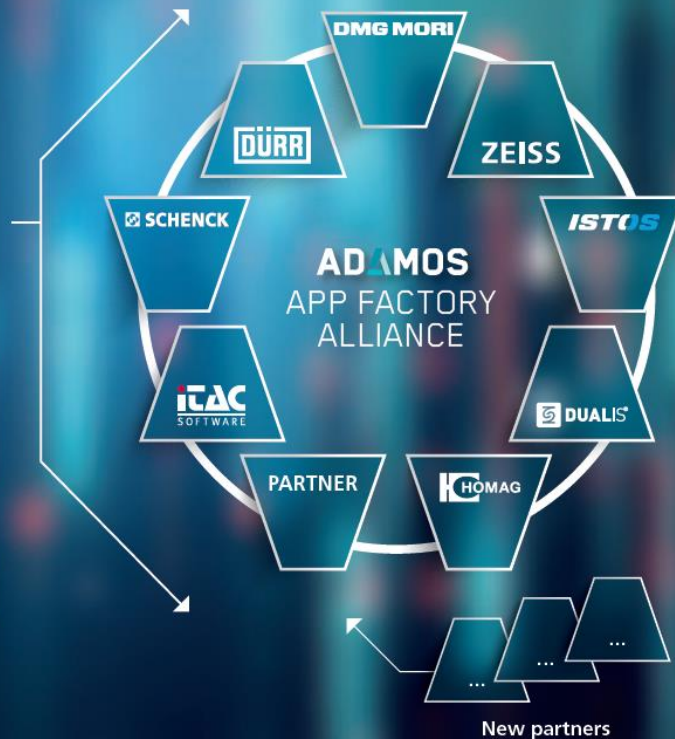


**Nico Koch**  
Manager Digital Factory

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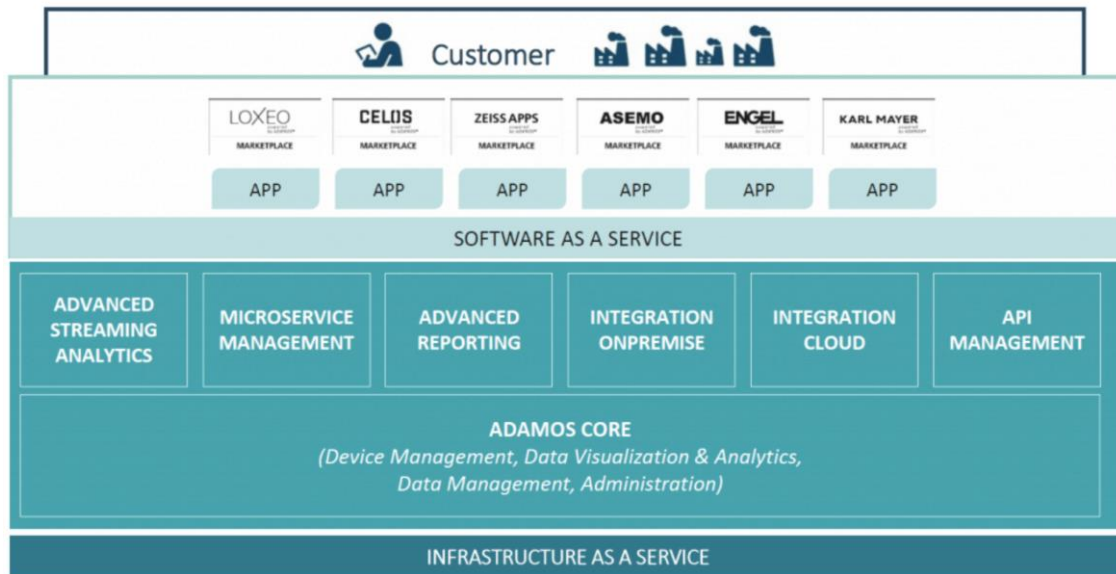
**“I can really feel the enthusiasm of the customers when we are presenting the product. With Analytics Builder we will push forward the digitalization on the shop floor tremendously.”**

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# FROM MACHINE MANUFACTURERS FOR MACHINE MANUFACTURERS, THEIR SUPPLIERS AND CUSTOMERS

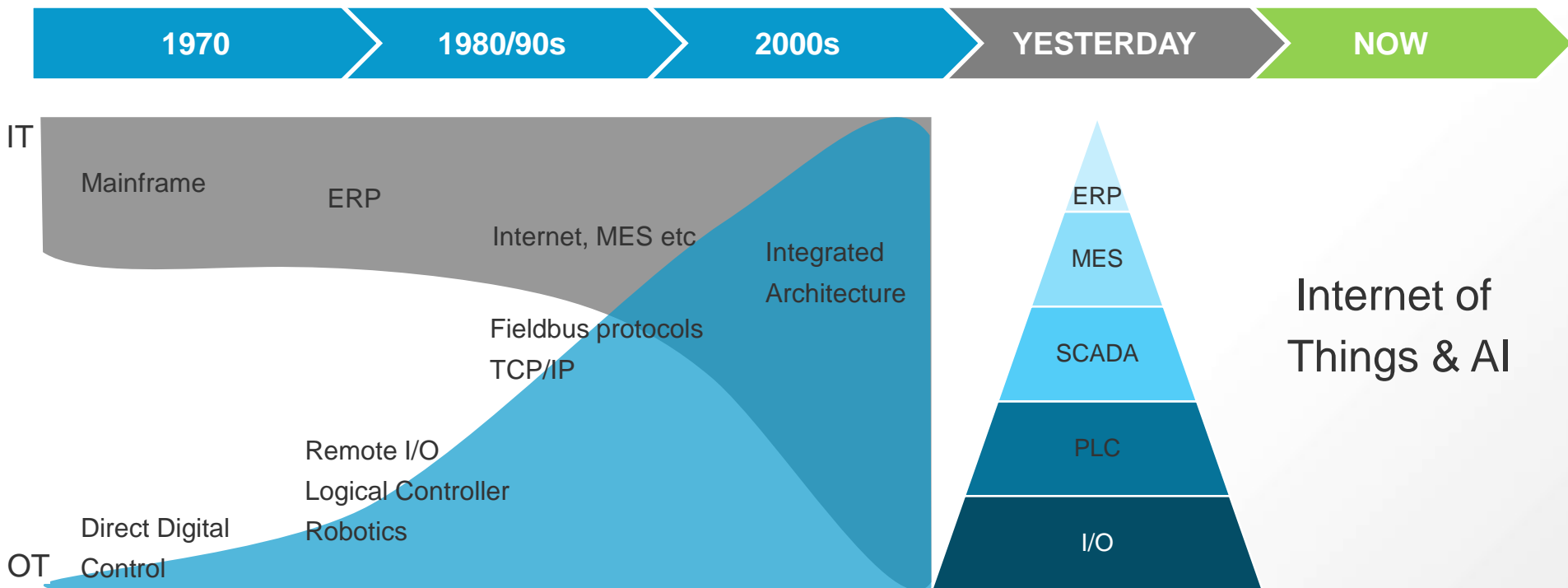
ADAMOS platform



## CLOUD & EDGE COMPUTING

# DISRUPTION IN THE MARKET

## CONVERGENCE OF IT AND OT



# THE CONSEQUENCES OF INDUSTRIE 4.0

**Usage Based Pricing Is Core**

**Transfer Of Risk**

**Service Excellence Is A Must**

# WIND POWER PLANT MANAGEMENT

## REAL-TIME DATA ANALYSIS FOR PREVENTIVE MAINTENANCE



- Secure remote access and central monitoring system
- Monitoring, collection and processing of real-time data (e.g. icing protection on turbines) for controlling industrial processes
- Visualization of real-time data for better and faster decisions
- Accelerated commissioning process
- Same software architecture from edge to cloud with identical APIs, data models and analytics.
- Up and running in a few weeks

# **NOW TO COME BACK TO THE BEGINNING**

## **TALENT IS IN DIRE DEMAND**

**Nordex needs hundreds of maintenance engineers,  
where to find them?**

**Who can afford the data scientist, data engineers, cloud  
engineers?**

**The problem only will get worse**

**OUR ANSWER**

IN REGARD TO THE ANALYTICS ASPECT

A group of business professionals are gathered around a whiteboard in a modern office setting. A man in a light blue shirt is pointing at a flowchart on the whiteboard with a green marker. A woman with dark hair is looking at the whiteboard with an open mouth, appearing to be in the middle of a discussion. Other people are visible in the background, also looking at the whiteboard. The whiteboard contains a flowchart with numbered boxes and arrows, and some green markings.

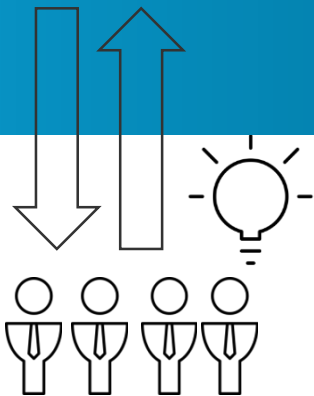
**Democratisation of Analytics**



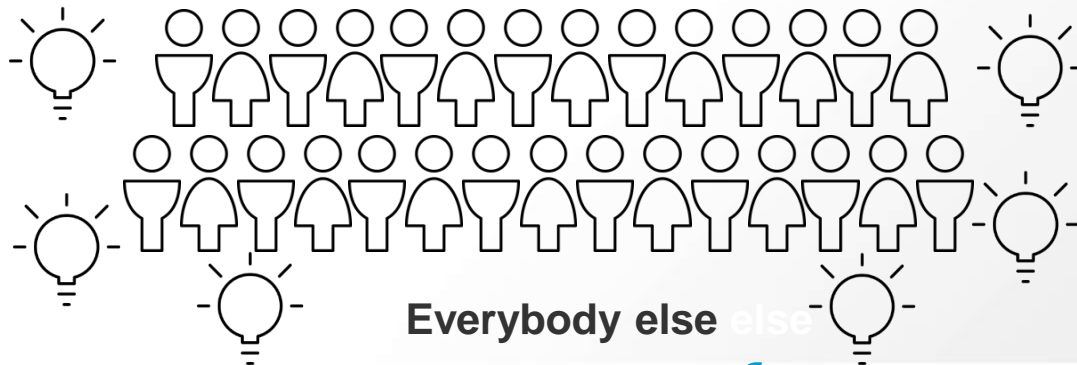
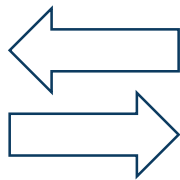
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**Self-service  
analytics tools**



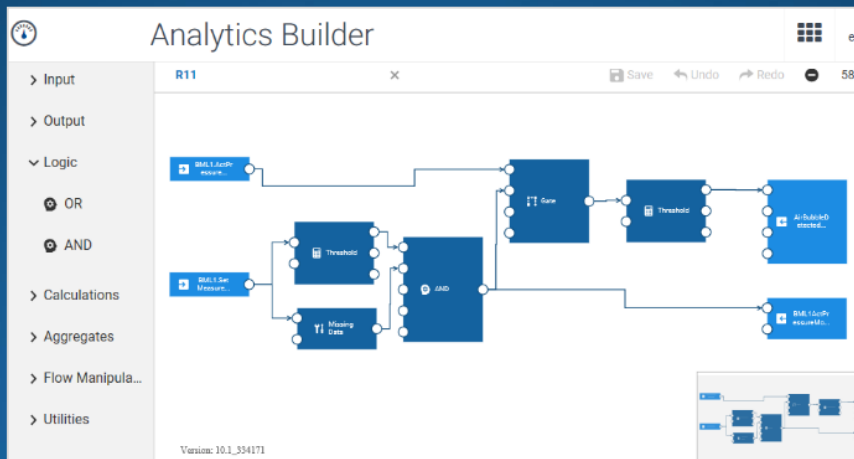
**The Analytics Team**



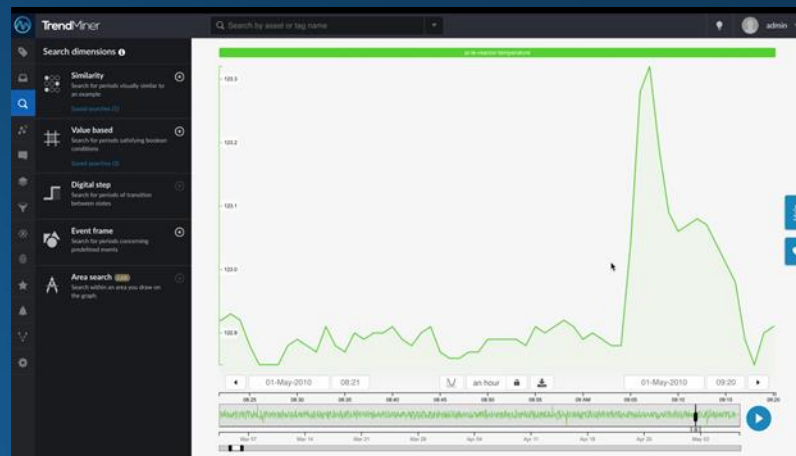
**Everybody else**

# DEMOCRATISATION OF ANALYTICS

## Streaming Analytics - Apama



## Advanced Analytics - Trendminer



The future UI will be powered by AI

# THE BENEFIT OF FIRST MOVERS



**Leaders + 15%**

**Laggards < 5%**

Source: McKinsey



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“All the Best  
In Adopting of IoT & AI in your Industry”



@grossbernd