

# SOFTWARE AG ACQUIRES TRENDMINER

IoT Portfolio Enriched with Self-Service,  
Time Series and Data Analytics

[Learn more](#)

 **software** AG

 **TrendMiner**





# CONNECT YOUR THINGS AND INNOVATE YOUR BUSINESS

Karl-Heinz Streibich  
CEO Software AG

CEBIT  
12 June 2018



# DIGITAL DRIVERS FOR GROWTH



**Realtime  
Platform  
Economy**



**Internet  
of Things  
Technology**



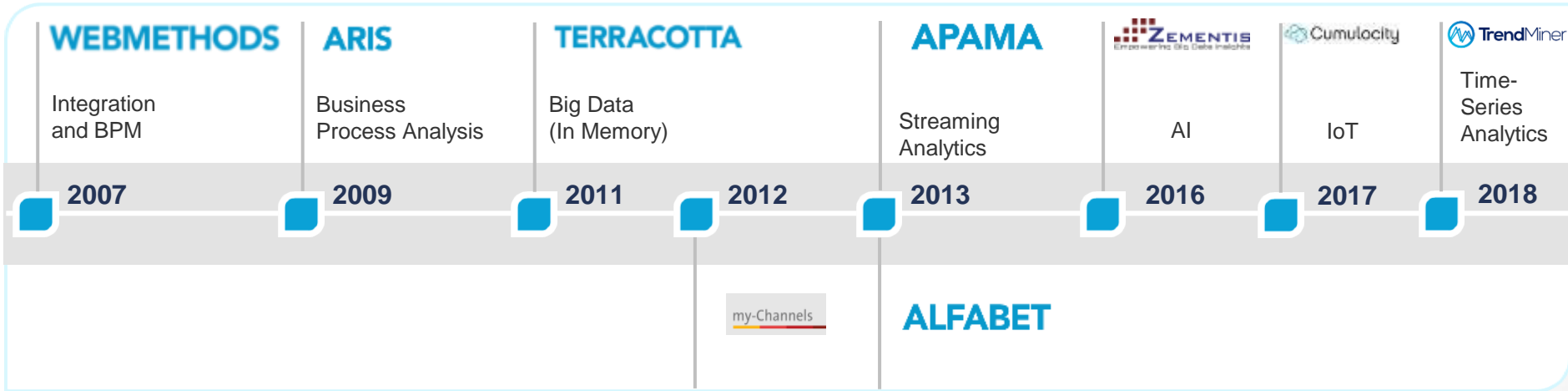
**Industry 4.0  
Mega  
Use Case**



**Total Process  
Automation &  
Transparency**

# STRATEGIC REALIGNMENT

## INTEGRATION / PROCESSES / INTERNET OF THINGS / ANALYTICS



**Software AG has invested more than 1 billion euros over the last 10 years in future technologies**

# INNOVATOR FOR COMPETITIVE DIFFERENTIATION



## DIGITAL BUSINESS PLATFORM

### THE FIRST

high-performance  
transactional database

**ADABAS &  
NATURAL**

### THE FIRST

B2B server and  
SOA integration platform

**WEBMETHODS**

### THE FIRST

business process analysis  
and design platform

**ARIS**

### THE FIRST

time-series & streaming  
analytics platform

**TERRACOTTA  
APAMA  
TRENDMINER**

### THE FIRST

True IoT  
cloud platform

**CUMULOCITY IoT**



# NEXT GENERATION PRODUCTIVITY

THROUGH SELF-SERVICE  
INDUSTRIAL ANALYTICS

**Bert Baeck**  
CEO, TrendMiner

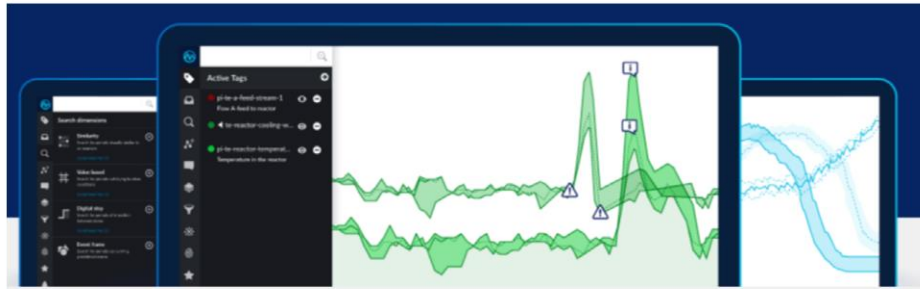
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# TrendMiner



**TRENDMINER IS AN INTUITIVE WEB-BASED SELF-SERVICE ANALYTICS PLATFORM FOR RAPID FIRE VISUALIZATION OF TIME SERIES BASED PROCESS AND ASSET DATA.**



# STREAMING & TIME-SERIES ANALYTICS AT THE EDGE

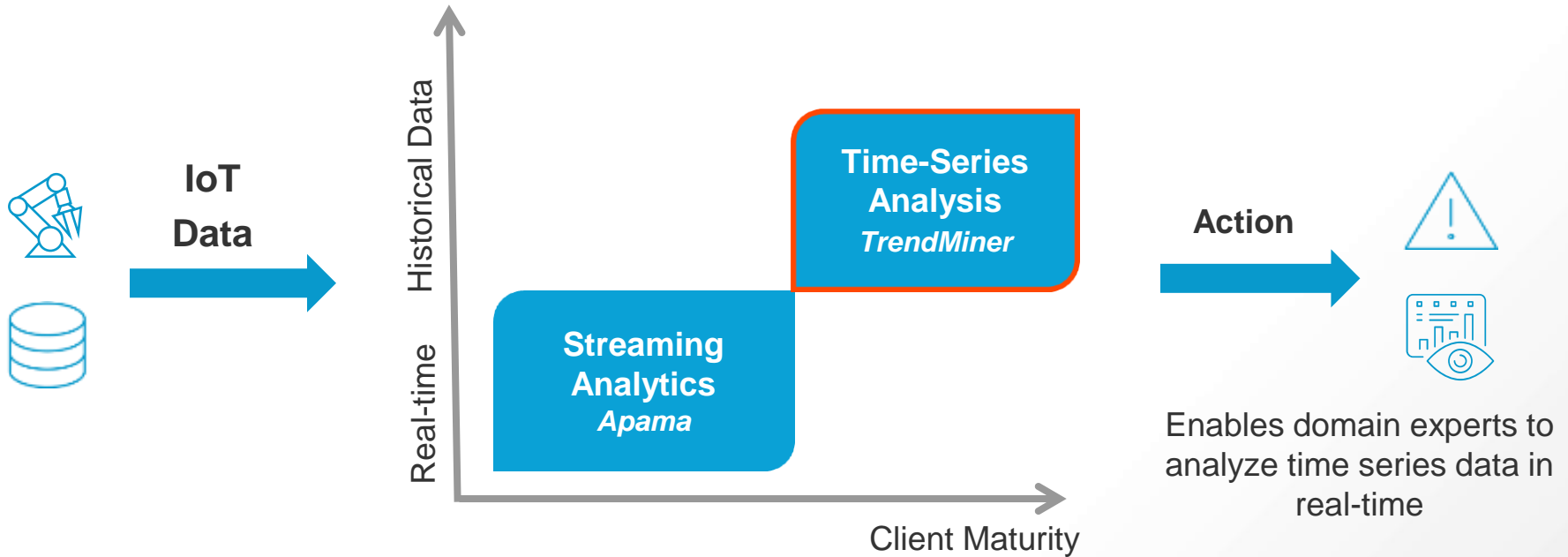
**Dr. Stefan Sigg**  
CRDO, Software AG

CEBIT  
12 June 2018





# TRENDMINER PROVIDES AN IDEAL FIT INTO OUR INNOVATION STRATEGY



# STREAMING & TIME-SERIES ANALYTICS AT THE EDGE

## AIR SUPPLY MONITORING OF PAINT SYSTEMS



### Challenge

- Real-time signals from paint shop robots
- Analyze and visualize live data
- Identify anomalies in historical data and detect them in real-time

### Solution today

- Cumulocity IoT Edge
- APAMA Analytics Builder
- Machine Learning via Zementis

### New Opportunity

- Use TrendMiner for easier and faster time series anomaly exploration & detection for domain users

# ANALYSIS AND VISUALIZATION OF TIME SERIES DATA

The screenshot displays the 'Cockpit' dashboard interface for an 'Mbed Device'. The left sidebar contains navigation options: Welcome, Home, GROUPS (JK Devices, Mbed Device), Smartphones, Alarms, Data explorer, REPORTS (Reporting), and CONFIGURATION (Data Point Library, Smart Rules). The main content area features two SCADA widgets. The left widget, titled 'GEARBOX', shows a 3D cutaway of a wind turbine gearbox with the following data: Gear Boxing 43, Gear Oil 96.305809, and Oil Pump 32.375. The right widget, titled 'Mbed Device', shows a diagram of a wind turbine connected to three battery units: Battery C (96.305809), Battery B (32.375), and Battery A (43). A 'TrendMiner' widget icon is highlighted with a red box in the top right area of the dashboard.

powered by Cumulocity

# CUMULOCITY IOT

CONNECT TO INNOVATE

**Bernd Groß**  
SVP IoT & Cloud BU, Cumulocity

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