HAHN DIGITAL
enhancing operational technology

Your way to the smart factory

Expertenforum Digitalisierung und Automation, December 5th 2019
HAHN Digital is part of the HAHN Group
HAHN Group Overview

13 countries

14 brands

1,400 employees

part of the HAHN GROUP
HAHN Digital supports the OT Digital Transformation of manufacturing companies

The combination of Digital & manufacturing expertise is becoming mission critical to develop lasting solutions.

Illustration Source: Fir at RWTH Aachen

www.hahn.digital
Our users benefit from increased efficiency

Detailed views, Optimization through Predictive Analysis, Individual customization, Personal dashboards

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Digital businesses outperform traditional businesses because of lower latencies in the entire reaction chain.

**Typical reaction of traditional companies to unplanned event**

- Event
- Insights about event become available
- Analysis completed
- (Counter)-measure approved
- (Counter)-measure takes effect
- delays/loss of value

**Typical reaction of agile companies to unplanned event**

- Event
- (Counter)-measure takes effect
- time saved/increased value

**Drivers of Industrie 4.0**

- A: Real-time capability
- B: Big Data Analytics
- C: Decision support systems
- D: Vertical and horizontal process and systems integration
- E: Systems integration
- F: Machine Learning and Artificial Intelligence
- G: Automated decision making
- H: Cyber-physical systems

Manufacturing companies are enabled by Industrie 4.0 to react a lot faster towards unforeseen events thus saving value in the according process.

Source: i4.0MC – Industrie 4.0 Maturity Center GmbH | RWTH Aachen Campus
Stepwise approach of digital transformation leads to a leverage of diverse potentials

Legend

Maturity levels on transformation path

<table>
<thead>
<tr>
<th>Level</th>
<th>Return on business</th>
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<tbody>
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<td>Objectives</td>
</tr>
<tr>
<td></td>
<td>Building blocks</td>
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1) within narrow limits, e.g. a production cell

Source: i4.0MC – Industrie 4.0 Maturity Center GmbH | RWTH Aachen Campus
HAHN Digital offers smart services to accelerate manufacturing

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Complex topics of digital transformation are supported by consulting services

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EVE Suite + Digital Consulting

Smart Factory

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Service Overview

EVE Analytics
Monitoring and analysis of production data
- Pilot
- Implementation (not applicable, if pilot done)
- Monthly fee afterwards
- Data connectivity on project basis

EVE Vision
Smart visual inspection for nearly any product
- Purchase option
- Rental option

EVE Support
AR based customer support
- AR-glasses
- Yearly license fee

EVE Protect
Cybersecurity for firmware of components
- Pilot for one component
- Unlimited license per component
Dr. Ing. Martin Bleider
Head of Consulting Services

Phone +49 6764 90 22 384
Mobile +49 172 3583552
m.bleider@hahn.digital

HAHN DIGITAL GmbH
Frankfurt Airport Center 1
Hugo-Eckener-Ring
GERMANY