

# LINKED DATA 2016



## LINKED THINKING FOR THE PRODUCT LIFECYCLE MANAGEMENT OF THE FUTURE

*Results Paper for CONWEAVER GmbH Workshop  
on 11/11/2016 in Darmstadt.*

## LINKED THINKING FOR THE PRODUCT LIFECYCLE MANAGEMENT OF THE FUTURE

The Linked Data Workshop took place on 11 November 2016. Forty participants made their way to the darmstadtium Conference Centre for an exclusive participation workshop on the subject of “Linked Thinking for the Product Lifecycle Management of the Future”.

The discussions were based on the following questions:

- As an innovation driver for the economy, how can the manufacturing industry keep pace in the digital era with respect to transparency, internal processes and the networking of products and services?
- How can it be made possible for employees to obtain cross-domain information and dependencies within an organisation and beyond?
- How can product lifecycle management be adapted to these new requirements?

After a motivational introduction by hosts Sebastian Dörr and Dr. Thomas Kamps (both from CONWEAVER GmbH), the workshop opened with a successful keynote speech by Mr. Michael Schneider (Head of Enterprise & Engineering Platforms Department at Robert Bosch GmbH), who is an enthusiastic customer of the Linked Data Search solution from CONWEAVER.



LINKED DATA 2016

Willkommen

CONWEAVER

CONWEAVER

WE MAKE  
YOUR DATA  
WORK



## New approaches to product lifecycle management - mechanics, electronics, software - linked automatically

The speaker started by explaining what made the company look for a solution in the first place. The focus was on looking for a solution which would be able to support all the mechatronic domains (mechanics, electronics, software) in a professional way.

The solution needed to be from a single source and be able to connect to the existing software and ways of thinking. This challenge was successfully overcome with Linksphere Terra and the Linked Data Search solution based on it.

This meant the company employees no longer had to restrict themselves to a known IT system, they could use all the linked/networked information belonging to an artefact/object for their application. Comprehensive standardisation of the artefacts (or the master data) is superfluous, as only what is most essential needs to be standardised. In future, even non-structured data can be found and incorporated into the processing of a task. Long-term legibility of the artefacts can also be guaranteed in order to provide the required level of traceability.

Product complexity is increasing:

- Products are increasingly linked and there is more internal and external cooperation
- Engineering is also happening in the cloud
- Cross-linking of data, products and services is on the rise.

<b>User Experience &amp; User Benefit</b> - The User View - <i>Sylke Rosenplänter</i> (Adam Opel AG)	<b>The Benefits of Linking</b> - The Strategic View - <i>Dr. Bodo Machner</i> formerly BMW
<b>IT concepts &amp; flexibility</b> - The Implementation View - <i>Achim Besel</i> Robert Bosch GmbH	<b>Active Process Support</b> - The Process View - <i>Dr. Christoph Kilger</i> Ernst & Young GmbH

This increasing complexity also means increased requirements in terms of documentation and data management which can now be met using Linked Data. Even now, it is clear that autonomous product documentation and product development is becoming a reality. Automated networked data - Linked Data - is a good first step in this direction which can already be taken today.

After this introductory key-note speech, the participants were split into four World Cafés...



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