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Siemens Digital Industries Software
Armin Hasse works in the Portfolio Development Organization of Siemens Digital Industries Software at the interface between sales, marketing and customer. Based on his expertise in a broad customer environment, he optimizes and professionalizes go-to-market systematics for topics such as PLM, PDM, Requirements Engineering, Classification, Model Based Systems and Production Engineering (MBSE/MBPE). One focus of his work from 2013-2016 was the collaboration in the research project mecPro² for the "Model-based development process of cybertronic systems - the PLM-supported development process for products and production systems" (mecpro.de). Currently his focus is on the early classification and description of data and solutions in the product development process.
Vision 2020+
Siemens Industrial Businesses – Focus drives value creation

Operating Companies
Gas and Power
Smart Infrastructure
Digital Industries

Strategic Companies
SIEMENS Mobility
SIEMENS Gamesa
SIEMENS Healthineers
Digital Industries setup ensures an end to end portfolio for the digital transformation of process and discrete industries

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Driving the digital transformation of process and discrete industries
Siemens Teamcenter enables eCI@ss ADVANCED for Engineering
"eCl@ss HALVES COSTS"

In a customer survey, we asked companies why they use eCl@ss, and what their experiences have been.

SAVINGS DUE TO THE USE OF eCl@ss

Our customers told us that using eCl@ss produces savings especially in purchasing and sales departments. However, companies can also generate savings in the areas of logistics, scheduling, and production. Moreover, 45% of the companies with more than 1,000 employees indicated that these savings could be further increased through greater eCl@ss integration.

SIGNIFICANT COST SAVINGS FOR PERSONNEL EXPENSES AND MATERIALS COSTS

Savings associated with the use of eCl@ss come not just from personnel expenses, but also from materials costs. The use of eCl@ss can reduce ongoing costs associated with managing product master data by around 50%. The savings on personnel expenses represent a cost reduction of around 47%. Meanwhile, average materials costs savings due to the use of eCl@ss total around €330 per employee, corresponding to a value of more than 50%.
The job portal StepStone suggests that the role “master data administrator” is a much sought-after job profile for a wide range of companies in Germany.

Quelle: StepStone Anfrage am 13.08.2019

Quelle: https://www.sdzecom.de/pim/
What drives costs in Product Master Data Management?

What are the future challenges for product master data management?

What does a solution look like?
Only with high-quality Product Data can companies hold their own against the competition.

Optimal product data makes it easier to find them on the Internet.
Countless vertical and horizontal Media Breaks produce fragmented and non-synchronized Product Data across the Lifecycle.

Companies typically incur an average cost of €643 per employee per year for the management of product master data.

Quelle: IW Consult; 2018 eCl@ss customer survey
Digital Data Silos across the Product Lifecycle are responsible for poor Master Data quality and high effort of manual data maintenance.

- It generates labor-intensive work to update data and models.
- It leads to an increasing risk of rule violations.
- It leads to sales losses, cost increases or image damage.
What drives costs in Product Master Data Management?

What are the future challenges for product master data management?

What does a solution look like?
The introduction of the Digital Twin concept creates a growing need for a lot of Product features as part of Product Master Data.
The product development process for I4.0 requires a wide range of technical product features in machine-readable form.
Industry 4.0 stands for fully automated machine-to-machine communication in a corporate network
Engineering data as part of the product master data are the basis for the specification of a Digital Twin of I4.0

The lifecycle state must be easily identifiable at any time.

It must be possible to communicate them globally without any barriers.

The degree of machine readability determines the degree of possible digitization.
What drives costs in Product Master Data Management?

What are the future challenges for product master data management?

What does a solution look like?
Product Master Data Management is a continuous activity to increase the maturity of Product features in the Product Creation Process.
Teamcenter automates Product Master Data Maintenance by embedding processes and organizations into a flexible and powerful lifecycle collaboration management system.
Active Workspace – Make PLM accessible to all users throughout the product lifecycle by providing a streamlined and intuitive PLM user experience anytime, anywhere, on any device

Lifecycle Collaboration Environment
Teamcenter for eCl@ss Data Management
Eliminate the Learning Curve
Put more people in touch with product data

User Experience Principles

Simple – clean, efficient, minimal commands

Effective – streamline complex tasks, get more done

Engaging – bring information to life with visuals and images

Active – dashboards and reports to focus on the critical things
Teamcenter for eCl@ss Data Management
Streamline your business with standard digital exchange

New Product
Teamcenter for eCl@ss Data Management powered by our new classification engine

Industry Standard
eCl@ss is the only worldwide ISO/IEC-compliant data standard – foundation for Industry 4.0

Adopt at your Pace
Traditional and eCl@ss Classification data can co-exist – tools help seamlessly migrate data

Get Started
Initial Active Workspace availability July 2019
Leverage this enabler for better connected systems
Teamcenter for eCl@ss Data Management

New Product

Teamcenter for eCl@ss Data Management
• Will be licensed separately starting with Teamcenter 12.2
• Supports import/export and management of eCl@ss data
• This new license will not be required to take advantage of new classification engine. Means you can leverage new capabilities in context of a non-eCl@ss taxonomy
  • Attribute Blocks
  • Aspect
  • Cardinality
  • Polymorphism

eCl@ss Licensing also required
• Options:
  • One time download fee
  • Concordance License (multiple versions)
• See eCl@ss site for details
Teamcenter enables eCl@ss ADVANCED for Engineering to create a collaboration environment for a future-proof and highly automated Product Master Maintenance and Management.

- **Easy company-wide integration** of users and editors in a common collaboration environment.
- **Highly efficient Product Data Management** by automated workflows, lifecycle monitoring and access control.
- **Bulletproof Single Source of Truth** for all Engineering Data and all relevant Product Master Data.
"For the first time, KBA is able to combine easy search and retrieval with intelligent blocking of components and assemblies. And our design engineers no longer regard the push for standardization and component reduction as additional load."

Rudolf Staeb, Koenig & Bauer
Contact

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