Transport and Freight Managemement

Digital logistics in thyssenkrupp with SAP Transportation management/ Project overview

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engineering.tomorrow.together.



thyssenkrupp **Business Area Materials** Services Fiscal year 2017/18 : 14 Mrd. € revenue 330 Mio € freight costs about 40,0 Mrd. € revenue (total tk group) about 1,7 Mrd € freight costs (total tk group)













Business model Materials Services

Trader between production processing and construction

Materials Services

Raw Materials

Producer

Mill Services

Our expertise:

Customer

(processing industries)

materials, raw materials, logistics, IT and Services

Customer oriented trading- und service organisation

- Materials trading
- Material prefabrication
- Warehouse Management
- Supply Chain Management
- Other services





Distribution







Logistic and IT Excellence: Worldwide greatest SAP ERP System

deliver the Basis for efficient processes

One SAP Template für Materials Services with 8.000 user



Efficient

Central Regional local

Warehouse, Transport and Logistics systems



Basic supply chain processes

Transport environment



Basic supply chain processes

Carrier structure

Transport Management

Carrier structure Rail, Truck, ship





Timeline

Actual project work for Digital Transport Order Management DTOM





Motivation for Digital Transport Order Management



Cost Reduction



ONE tool supports TWO strategies

as part of the overall transport and freight strategy

Digitalization & Harmonization



Actual Freight Cost Increase Requires Optimization

Freight cost trend of OU Materials Germany with forecast



- Productivity increase in transport network
- Productivity increase in process
- More efficient freight capacity purchasing
- Continually supplier improvement like CIP

Digital Transport Order Management as "Enabler", to counter the freight market trend.

thyssenkrupp Materials Services MX | SCM



Starting point for TM decision

Different landscape in systems





Main decision driver for SAP-TM

Managing complex IT-infrastructure and widespread physical logistic locations within supplier and customer networks



Standardization in IT, physical processes and future technologies



thyssenkrupp SAP-TM entry: Digital Transport Order Management to optimize business process

What does it mean in general? Where are the/ your business needs?



tk first solution set up





View on TM

Mobile application, visual transport planning and trailer yard management



View on TM

Rail planning options over stage planning





Target environment

Simplify complex environment and having one integrated TMS







Cost, budget and targets





Outlook

technical strategic development

Having a highly integrated transport solution within logistics and supply chain based on state of the art IT technics and future developments

Connected IoT Transparency & Traceability Logistics and Transportation Real-Time Data Networks **SAP Transportation SAP Transportation** SAP Global **SAP Logistics** Management Management **Track and Trace Business Network** Real-time Data SAP Leonardo S/4 HANA 270 SAP ERP / Any DB Transactional Systems **Responsive Systems** YESTERDAY/toda **TODAY / FUTURE** © 2018 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC

Digital Core: from Transactional Systems to Responsive Systems

thyssenkrupp Materials Services MX | SCM



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MX stainless plant, Italy

AST

















thank you for attention





