

AC/DC – WP2000 – T2100

The core concept to be developed in T2100 is the Dynamic Supply Loops (DSL) concept. The DSL specify a possible TO- BE process for planning and controlling future supply networks while minimizing planning effort and communication overhead. Furthermore T2100 focuses on the benefit balancing methods for supply network partners and the planning of the process implementation at Continental.

1 Targets / Benefits

- Collaboration within the entire Supply Chain Network
- Global standardization of Planning Processes and Applications
- Improved worldwide communication exchange instead of one-way information forwarding
- Speed-up of Business Processes
- Enhanced data availability within entire Supply Chain Network
- System environment extension in context of a natural evolution
- Avoid unplanned requirements caused by massive fluctuation on Customer Call-Offs by enhanced End-to-end planning and improved forecast
- Replacement of inventory and capacity buffers with information
- Faster business processes which increase customer responsiveness at least cost
- Know-how transfer across the supply chain network
- Reduction of uncertainties and anticipation of exceptional situations through the possibility of simulating different customer and market behaviour
- Greater transparency and more accurate statements through reliable information
- Basis for standardized performance management through system integration
- Improvement of stock and thus capital tie-up through increased transparency and cross-location stock planning
- Less planning effort through automated, standardized processes – from demand planning to detailed production planning and elimination of redundant untuned planning
- Further improvement of supply chain management costs through forecasting and better planning of future demand in the entire production network
- Improvement at idle time to increase output quantity

2 Implementation Approach

Pre-condition

- It is of benefit to keep production as customer-anonymous as possible
- Common understanding about Dynamic Supply Loops -> Handbook and Documentation
- Transparency of information through the complete network
- Methods and techniques developed in T2200, T2300, T2400 and T2500 support the DSL – therefore clear definition of processes and responsibilities
- Fast, reliable and extensive cooperation of all Supply chain partners (all functions)

3 Areas of Application

Internal and external supply chain processes

4 Related Topics

Methods

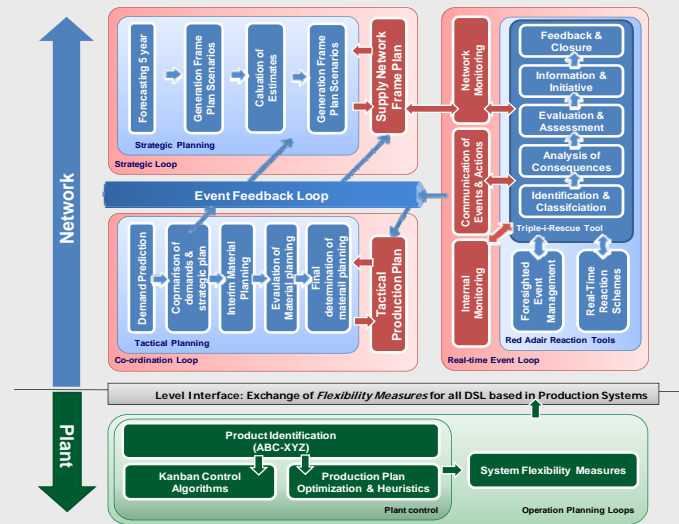
- Strategic Loop
- Tactical/coordination Loop
- Operational Loop
- Real time Event Loop

Tools

- ERP system – Supply Chain Management system with an optimized communication system
- Event Management System
- Production System / Strategies

5 Example

Dynamic Supply Loops Architecture:



6 Sources and additional Training Material

<http://www.acdc-project.org/public>

6 Contact

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