

CORENA Company Presentation

Making Mechanics more Efficient with 3D Animated Graphics and Interactive Job Cards







Presentation for S1000D User Forum Vienna September 2013

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Agenda

- CORENA introduction
- CORENA S1000D Work Order Solution
- CORENAs engagement with Norwegian Rail (NSB)

CORENA Vision



- Wanted by the best customers
- Wanted by the best partners
- Wanted by the best employees

CORENA Mission



- We shall add value to our customers' technical information processes
- We shall develop user friendly and adaptable COTS based solutions
- We shall provide outstanding services and customer support
- We shall offer the world's most experienced team of domain experts
- We shall be a global, innovative, an inspiring workplace



About CORENA

BUSINESS

- Software products development
- Markets:
 - ✓ Aerospace (Commercial and Defence)
 - ✓ Defence (Land and Sea)
 - ✓ Commercial Marine
 - ✓ Rail
 - ✓ Energy and Oil & Gas (emerging)
- Members of standardization committees

PRODUCTS & SERVICES

- Commercial-Off-The-Shelf
 Products and Services for production and usage of Technical Life Cycle information, focusing on standards
 - ✓ ASD/AIA/ATA S1000D
 - ✓ ATA iSpec 2200
 - ✓ SHIPDEX

ORGANIZATION

- Established in 1991
- Employees: ~90 + 25 consultants
- ISO 9001:2010 Certified
- NATO Security Clearance



LOCATION

- Headquartered in Denmark
- Offices in 8 countries
- Partners in 10 countries











CLIENTS

- Never lost a client in 20 years
- Typical clients include:
 - BombardierAerospace
 - ✓ Rolls-Royce
 - ✓ Goodrich Aerostructures
 - ✓ Pratt & Whitney
 - ✓ COMAC
 - ✓ British Airways
 - ✓ Thales
 - ✓ Swedish Defence
 - Danish Defence
 - ✓ Norwegian Defence
 - ✓ Patria
 - ✓ BAE Systems



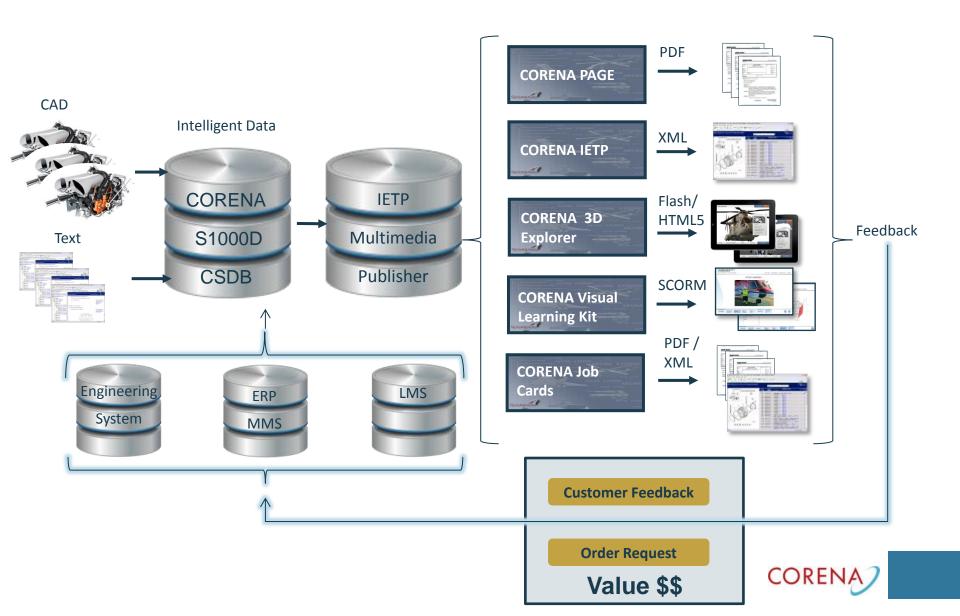
CORENA Locations



Solution Vision «The Intelligent Information Console»



Publishing intelligent information – and feedback



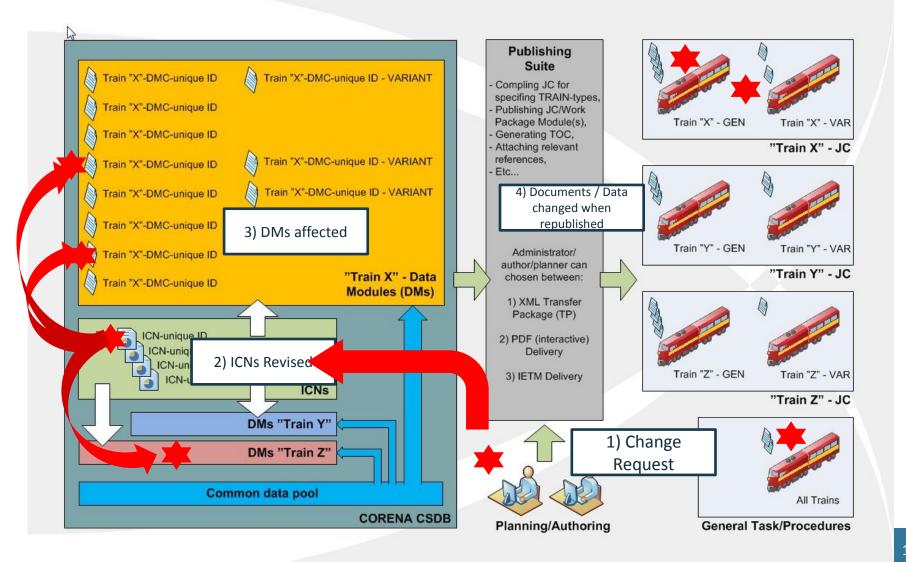




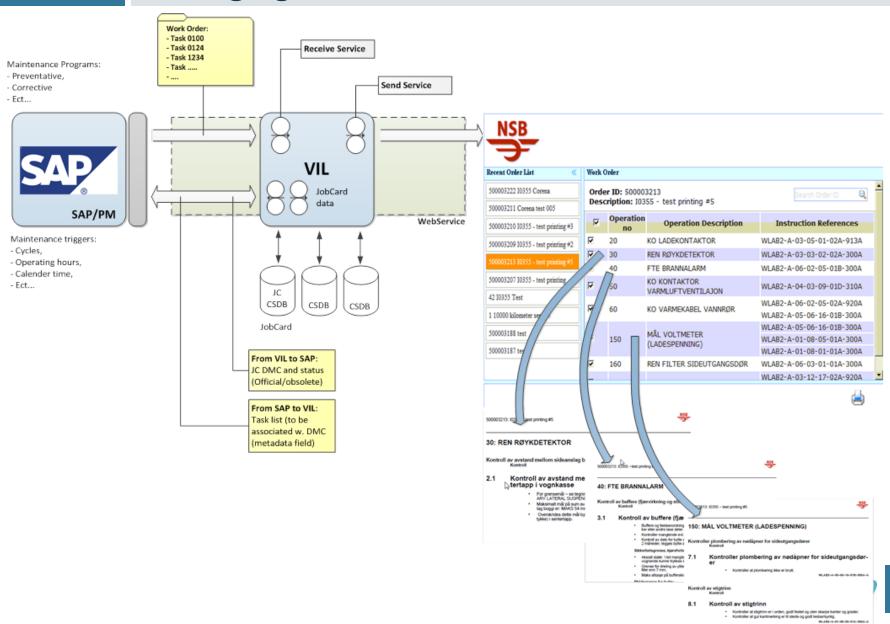
CORENA vision for NSB

- Solution scenario
- CORENA solution for job cards
- Conversion of 15 000 work instructions to \$1000D
- Integration to SAP
- Electronic Parts Catalogue (3D and 2D)

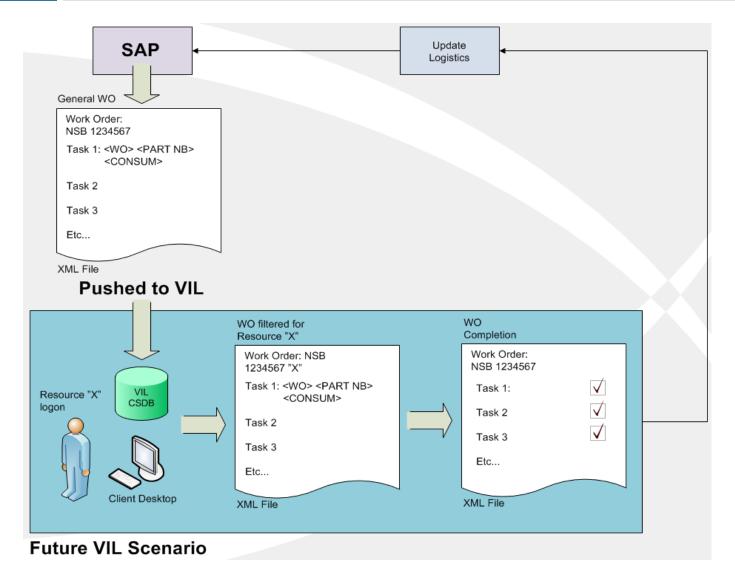
Maintaining Data in CORENA CSDB



Managing Job cards with SAP



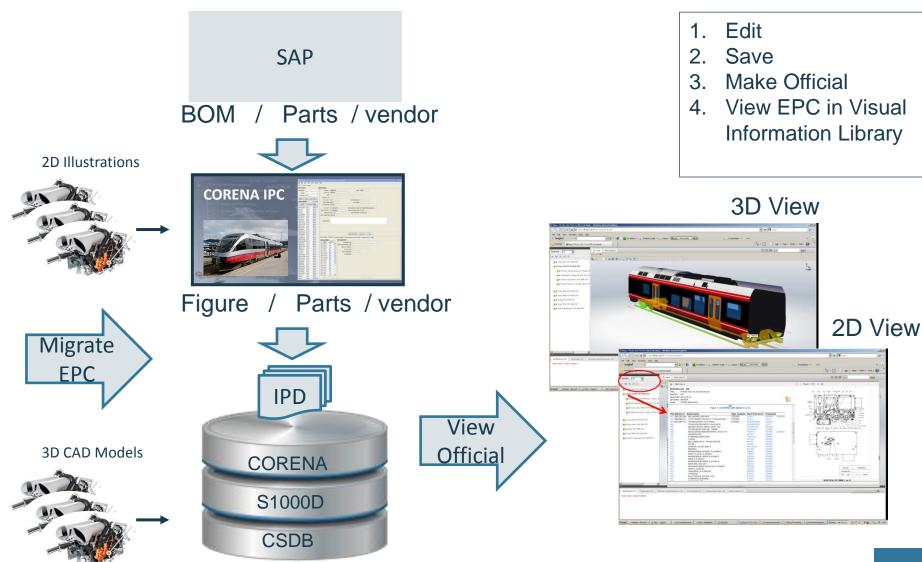
Workflow Scenario



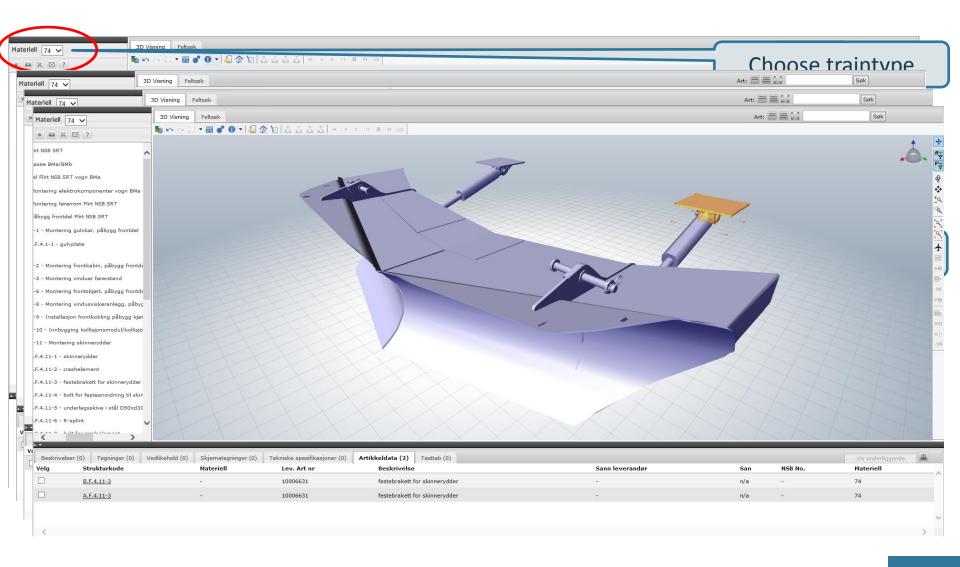
Solution overview — EPC (Electronic Parts Catalogue)



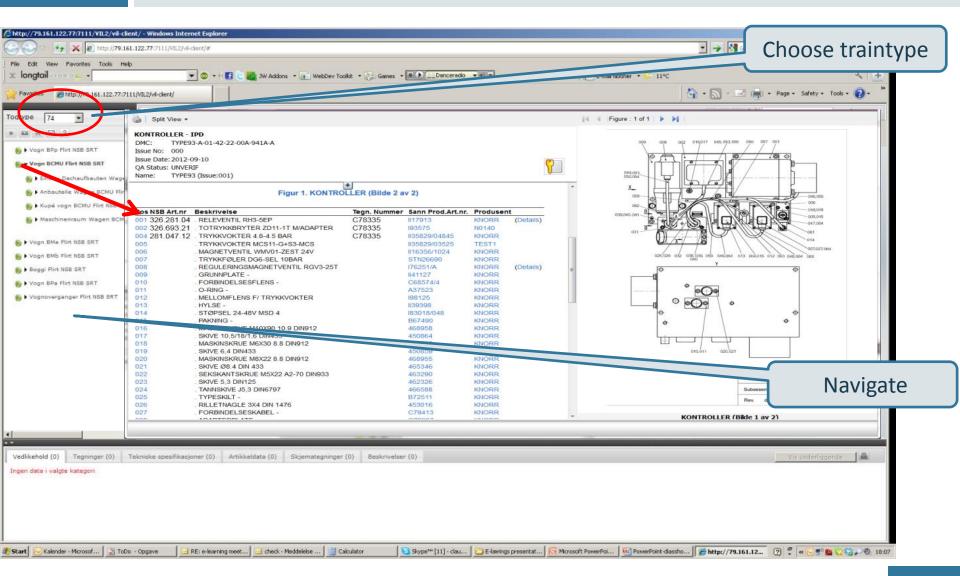
Solution overview – using VIL



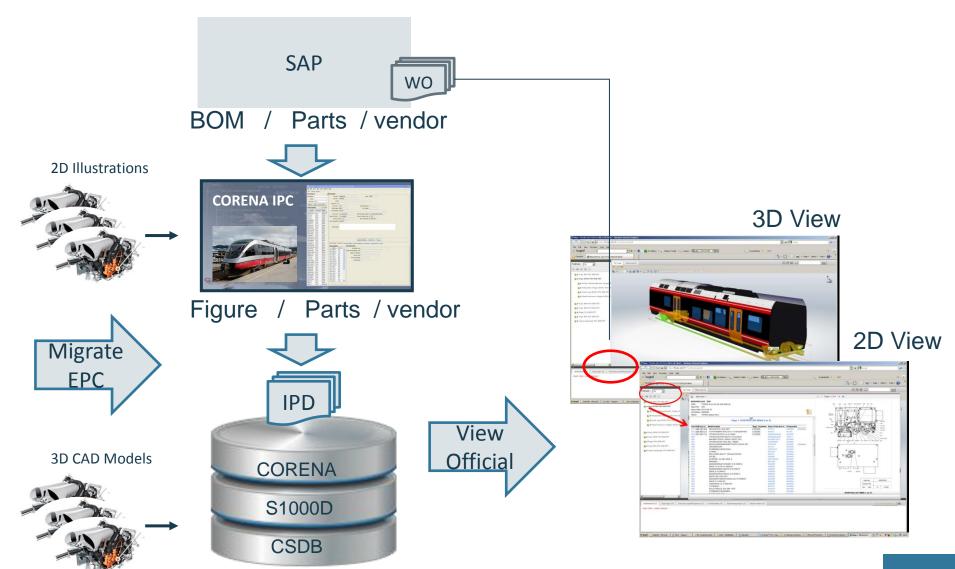
Solution: EPC end user via Visual Information Library (3D)



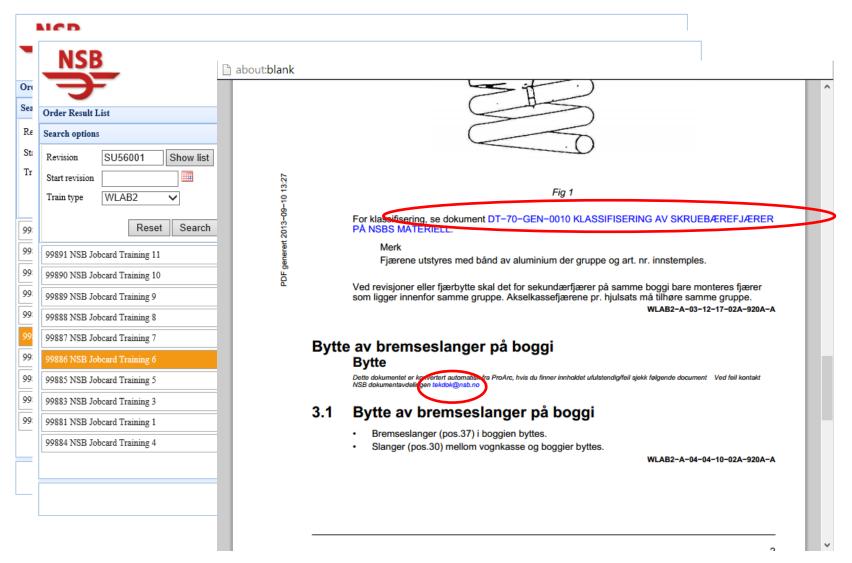
Solution: EPC end user via Visual Information Library (2D)



Solution overview – using VIL– Work Order / Job Cards



Solution: Work Orders / Job Cards



Summary

- We have used 3D models and S1000D data for multiple purposes, including manuals, work processes and dynamic job cards
- Data are prepared for the next step of E-Learning
- Planners and Authors are now in control of maintaining the data in an easy way
- Mechanics are expected to become much more efficient with intuitive access to product variant specific 2D/3D and animated illustrations and data
- All relevant information available in one tool



Complex reality made easy!