



Comos[®] - ISO 15926 Interoperability to Manage Supply Chain Information - In Action

PCA Forum & Members Meeting, Kuala Lumpur, 2009

Geoff Turner



It's Time for Change People



... Barack Obama

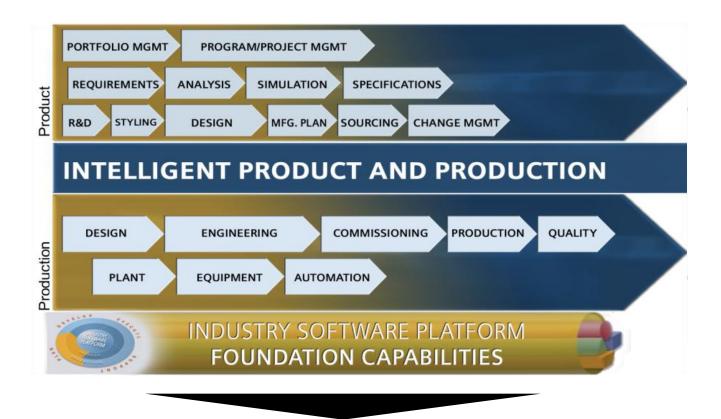
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A Siemens Business

Siemens offers complete Industry Software Portfolio for the Process & Power Industries



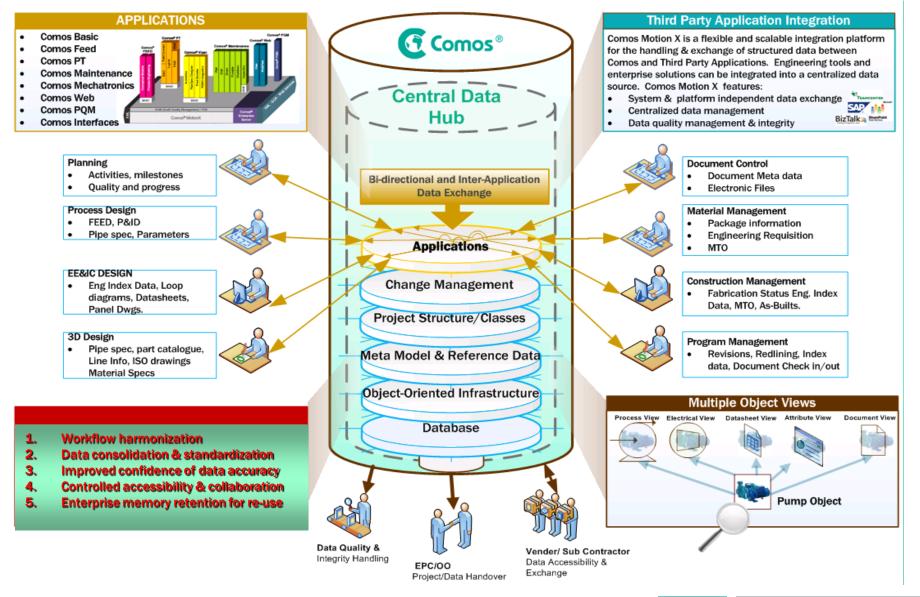
Industrial Software Platform: We do standards everyday



Integrated Approach to Innovation

Simple yet sophisticated!

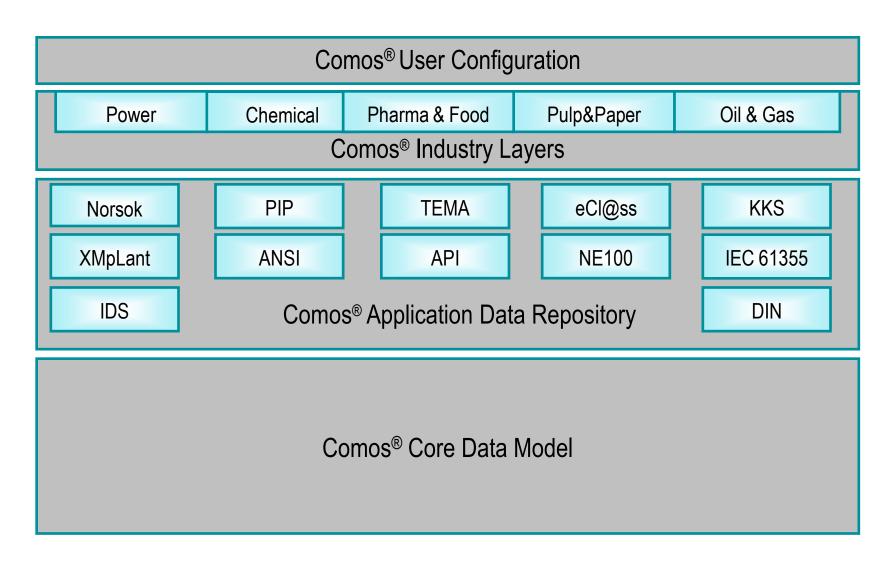




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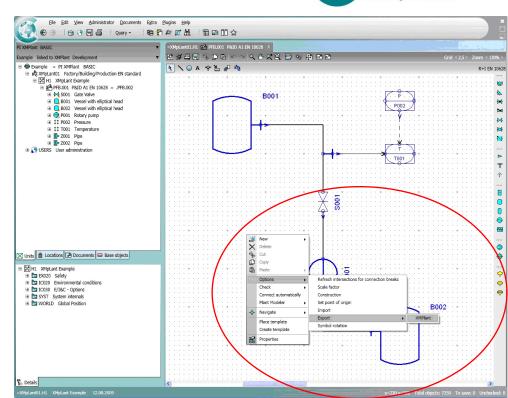




XMpLant-Import/ Export



- XMpLant enclosure data is imported into Comos and provided for use with further Comos modules.
- Data can just be exported from Comos via XMpLant for use in other locations, systems or suppliers
- Configurable interface requiring no manual intervention or complex programming.

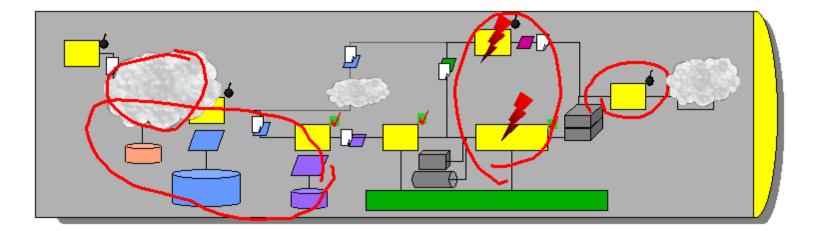




- Compliant ISO 15926 data exchange between Comos and external applications
- Consistent approach to handover of data
- Optimized support at the intelligent P&ID construction
- Higher quality by an automated data flow in and from external applications
- Time-saving at the data transfer from basic to detailed engineering
- Improved exchange possibilities with branch offices and suppliers
- ISO 15926 Dictionary Compliant XML Exchange Files



- Multiple engineering tools / multiple data input
- IT supported, but 'islands' of solutions or expensive interfaces
- Sequential working process
- Numerous meetings to make collaboration possible
- Economic pressure: faster, better, quality, cheaper
- Customers wants to have a hand-over strategy based on a "Digital Process Plant" approach

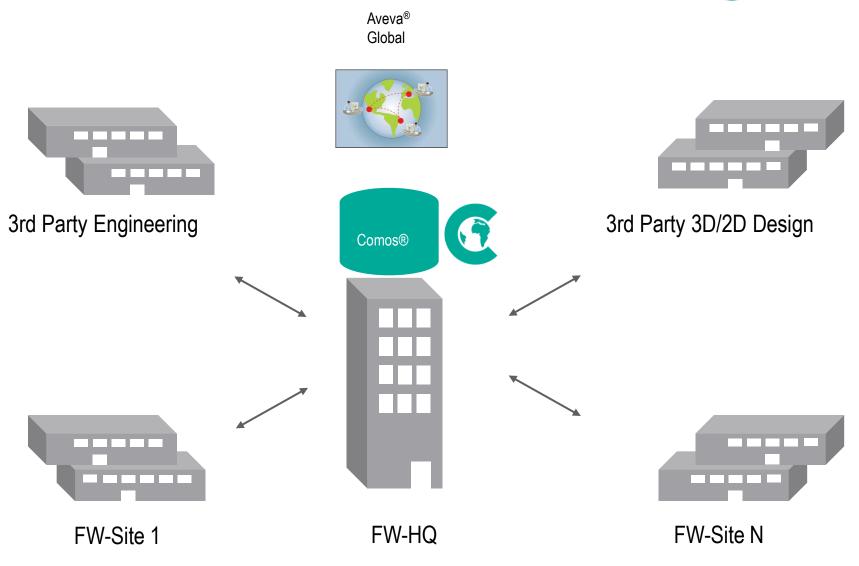




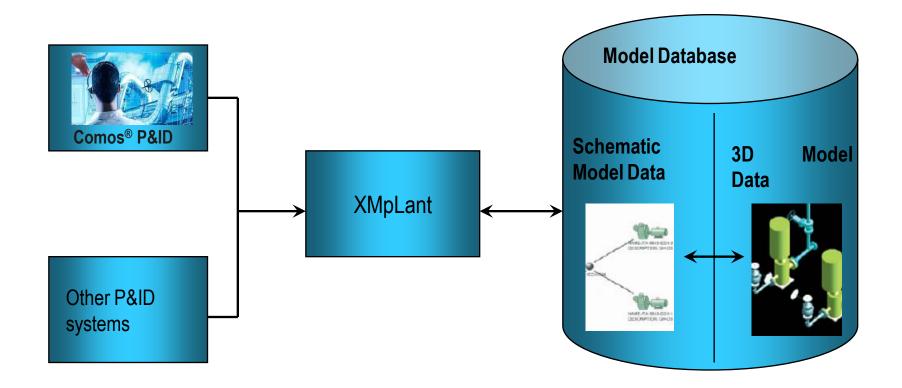
1. Foster Wheeler Energy Oy (FWEOy)

FW Energy Oy









Pushing P&ID data to PDMS via XML-Interface based on ISO15926



- XML export based on ISO15926 for the Comos[®] P&ID data
 - P&ID diagram
 - Equipment data
 - Pipe data
 - Fitting data
- Configuration of the Comos[®] P&ID PDMS[®] XML Interface (mapping)
- Controlled data exchange between Comos[®] and PDMS[®]





1. GDF Suez E&P Norge - work in progress

GDF SUEZ E&P Norge





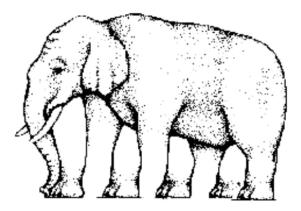
Gaz de France Norge has chosen Comos®



- 1. Comos will be used to manage all operational engineering, documentation and maintenance management tasks at Gaz de France Norge, especially in the operation of the Gjøa field.
- 2. Terje Overvik, Managing Director Gaz de France Norge: "Comos Industry Solutions GmbH won the contract after fending off fourteen other competitors during the initial and final tender rounds. **Comos Industry Solutions came across as professional and reliable during the negotiations and their systems provided the best functionality to meet Gaz de France Norge's requirements...** In fact, the technology and commercial teams unanimously decided to award the contract to Comos Industry Solutions."
- 3. "The systems will contribute greatly to us meeting our goals in Integrated Operations," Operations Manager Kjell Ola Jørgensen explains.
- 4. With the new systems, the operational staff will be able to obtain all necessary information on their desktops without the need for manual interventions. This allows for faster, better and more precise decisions and solutions in daily operations.
- 5. Comos Industry Solutions will work closely with Gaz de France Norge to implement the new systems, and will also establish integration with other systems, third-party support and data import.

What is the hold up ...?





How many legs does this elephant have?

Risk or Ignorance



... it's not about the technology anymore, it's about people and process...

Svein Ivar Sagatun ... StatoilHydro IO 09 Science & Practice Integrated Operations, Trondheim September 2009



- Pockets of ignorance
- Fundamental change in behaviour
- Integrated Operations
- Contracts stipulating ISO 15926 Dictionary complaint exchange files
- Motivation to act
- Project Risk is lowered
- Continuous Improvement

• 2009. Is this the year it changed ...



Workshop

- Understanding of critical Business Processes
- Define areas of interest
- Investigate use and value of best practice for your company

Assessment

- Analysis of workflow
- Analysis of current work procedures
- Areas of value by use of best practice workflow
- Areas of value by use of Comos[®]
- ROI calculation

Agreed business relationship

- Have a conversation in the break
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