

PCA meeting Stavanger 2010

Statoil and ISO 15926, the MapIT project

Statoil, approx 40 plans connected to an infrastructure of fiberoptic



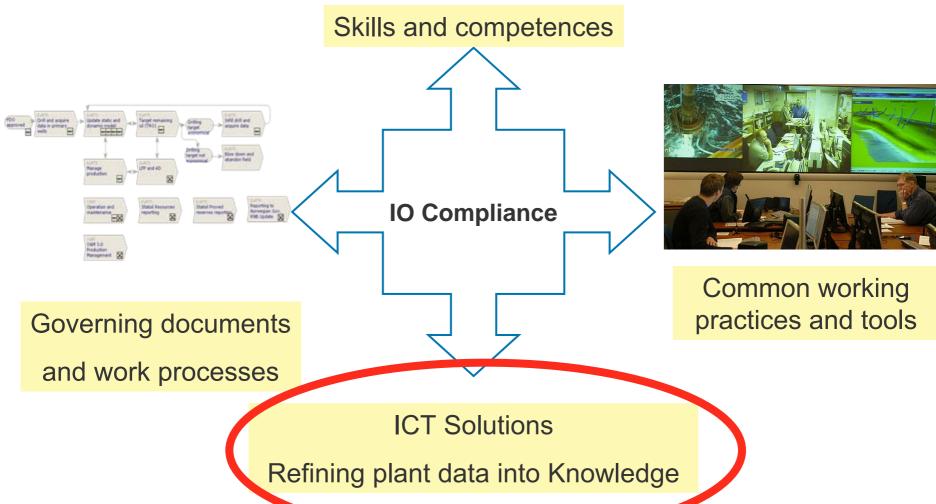


Snøhvit



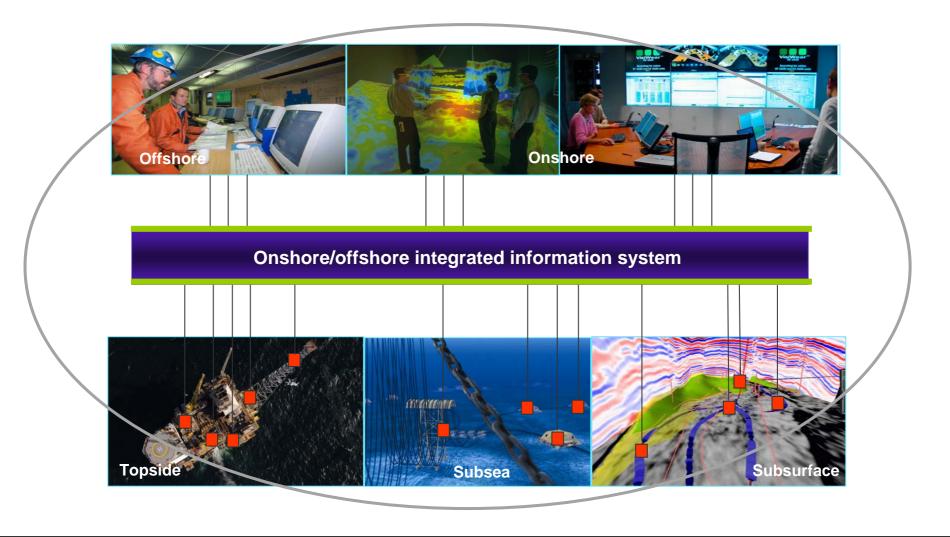
Oskar Fredagsvik
Leading Advisor IO Operation, Maintenance and Modifications,
StatoilMember of Corporate Initiative IO
Member of TAIL IO Steering Committee
Head of MapIT Steering Committee

Integrated Operations IO Compliance in Production Optimisation



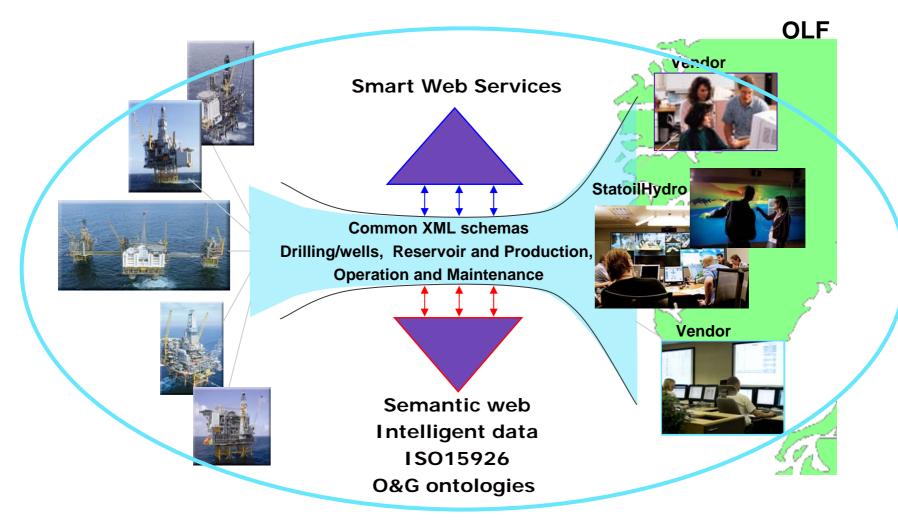


Integrated operations: Collaboration across all boundaries



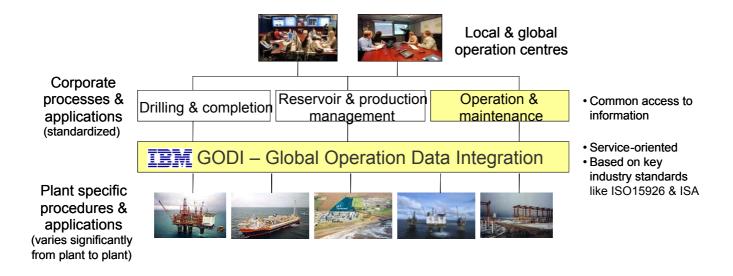


New web based data- and communication standards ...





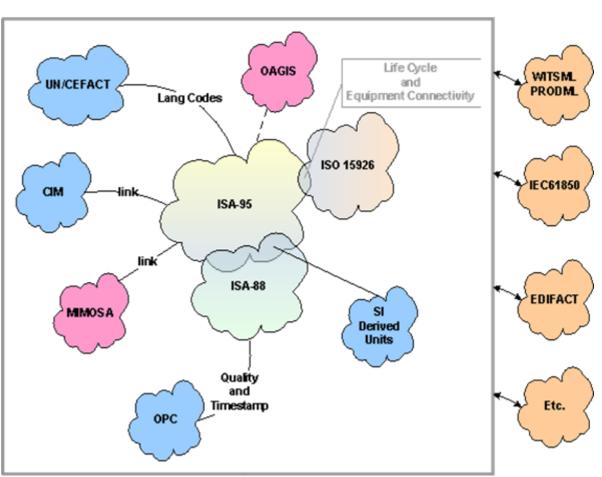
OMM in Statoil





Reference semantic model Participating associations and companies

- **MIMOSA**
- **OAGi**
- **WBF**
- **Energistics**
- **ISA** 88
- **ISA 95**
- **POSC Caesar**
- OPC
- **OSIsoft**
- DNV
- DOW
- SISCO
- **IBM**



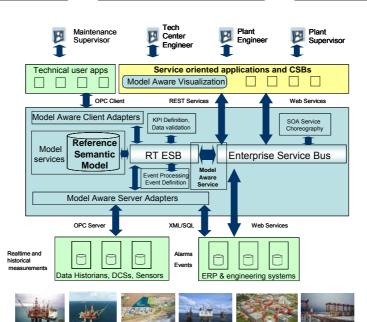


Examples of challenges solved by the RSM and the IIF

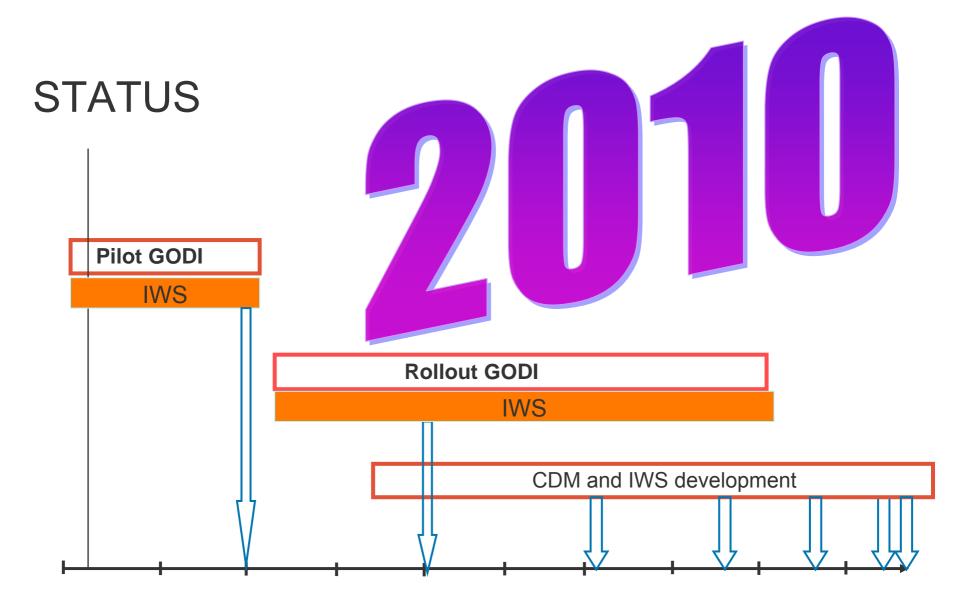
 Non-intrusive integration of the many existing applications in both the plant & enterprise domains

Fast deployment of new, innovative work processes across domains and facilities

Production
Operation & Maintenance



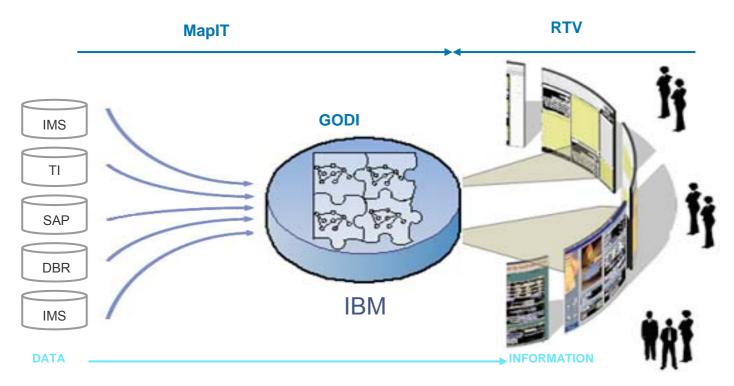






RTV - MapIT

- The MapIT project will deliver standardised <u>data access</u>
- The RTV project will deliver information work spaces and collaboration tools



GODI - Global Operation Data Integration

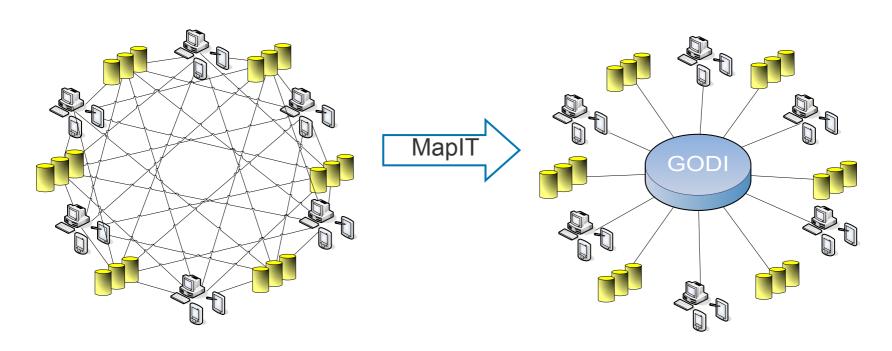
RTV - Real Time Visualisation

MapIT- Master programt IT



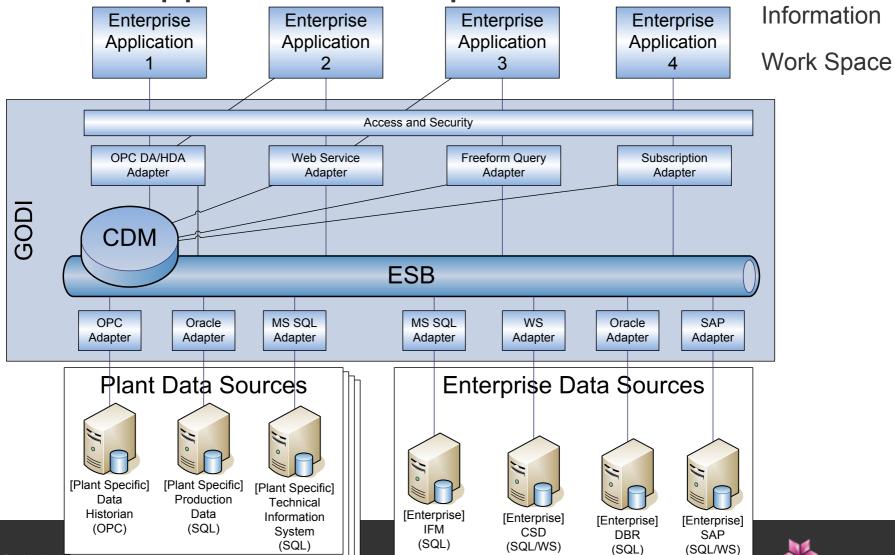
As-is and to-be

• From point-to-point integration to GODI-integration

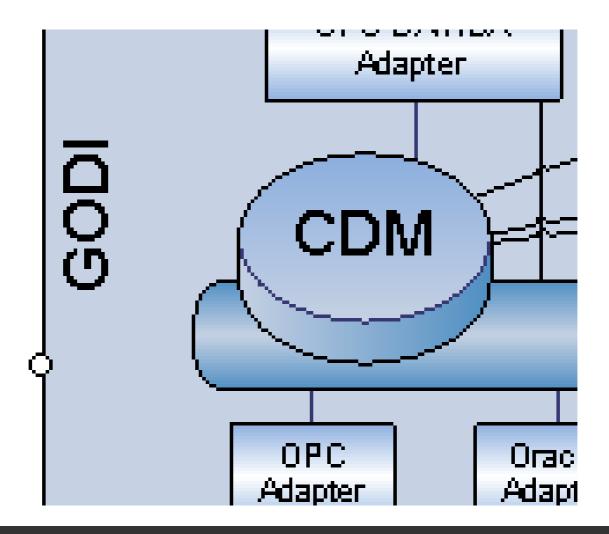




GODI – Approved Concept Architecture



The value of the model part 1 of 2





Status: Draft

GODI and ISO 15926

- international standards
- GODI this will be based om
 - Canonical Data Model (CDM) and Service Oriented Architecture- SOA
 - IBM's RSM (IIF).

Status: Draft

- The instance model is established and maintained by Statoil. In this work we also aim to support international standards.
- Step by Step



The value of the model

Status: Draft

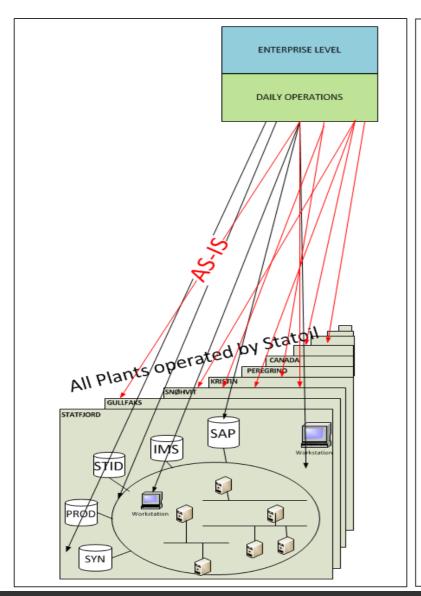
part 2 of 2

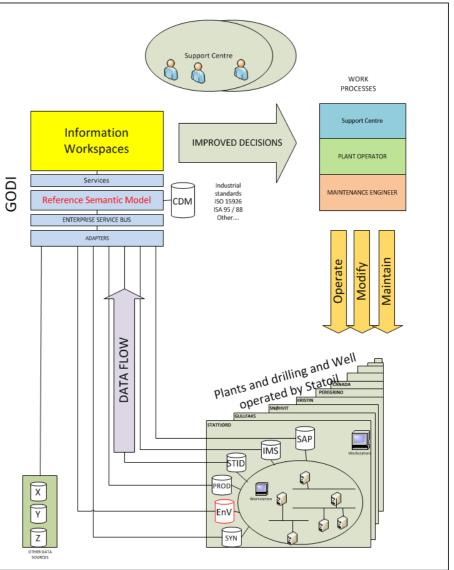
Case	AS-IS	TO-BE (GODI)
Trend well head preassure at Statfjord C for well id xx xxxx	Need to know Tag id, IMS tools and Database information, involving technicans.	GODI will provide this data to new information workspaces by navigation if access allowed
Federation of data sources	If the engineer needs to compare measurements with historical work orders she needs to produce to files in different IT tools.	In GODI we can federate this information by use of one application on top of GODI. Easy to use design tools to be provided



AS-IS

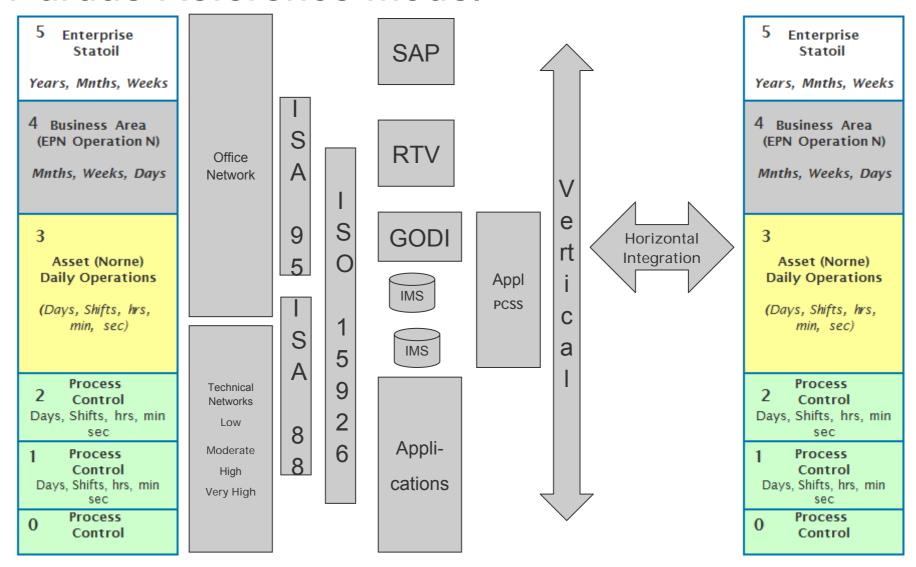
TO-BE







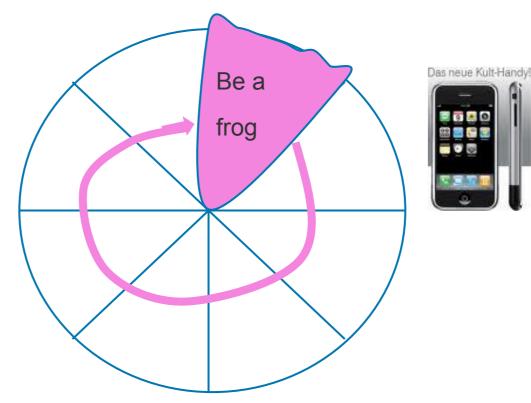
Purdue Reference Model



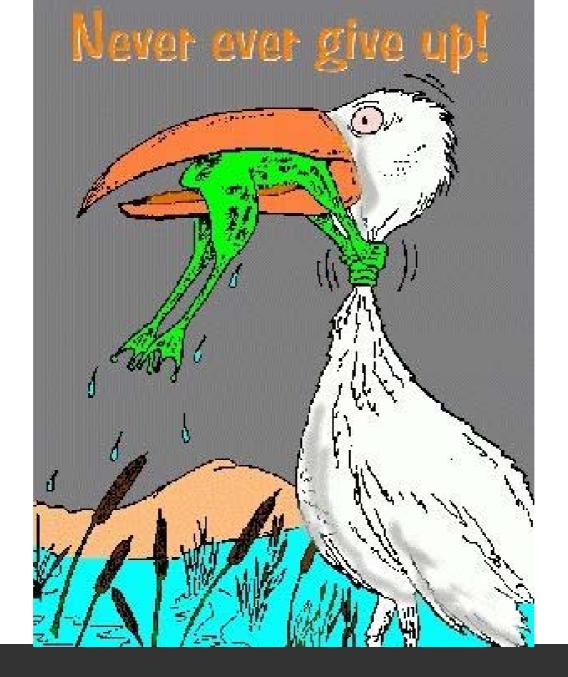


Awareness of Creativity and innovation











Thank you

Access to real-time data in Statoil using CDM

Oskar fredagsvik

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MapIT project Steerinc Committee leader

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