

# PCA Member Meeting Agenda

**Houston**  
**20 February 2009**

# Agenda

- 09.00-09.15 Welcome

## ISO 15926 Reference Data Services launch

- 09.15-09.45 ISO Reference Data in database format, Nils Sandsmark PCA
- 09.45-10.15 PCA Reference Data System, Magne Valen-Sendstad, PCA
- 10.15-10.45 Coffee Break
- 10.45-11.30 PCA Reference Data content, Magne Valen-Sendstad, PCA
- 11.30-12.00 Short report on standards development and ongoing projects, Nils Sandsmark PCA
- 12.00-13.00 Lunch

## ISO 15926 Implementation

- 13.00-13.15 Common equipment catalogue for Norwegian Continental Shelf (“NOR-HUB”), Dag Pettersen Tektonisk
- 13.15-13.45 SHAREcat - equipment information once and for all, Knut Dagsvik, SHAREcat Solutions
- 13.45-14.15 The IDS-ADI Camelot project, Robin Benjamins Bechtel
- 14.15-14.45 Coffee break
- 14.45-15.15 Industrial solution for real-time integration of process and enterprise domain, Kaare Finbak IBM
- 15.15-15.45 OpenPlant™ – Accelerating ISO 15926 Adoption Through Open Applications, Manoj Dharwadkar, Bentley
- 15.45-16.00 Summing up, Nils Sandsmark PCA

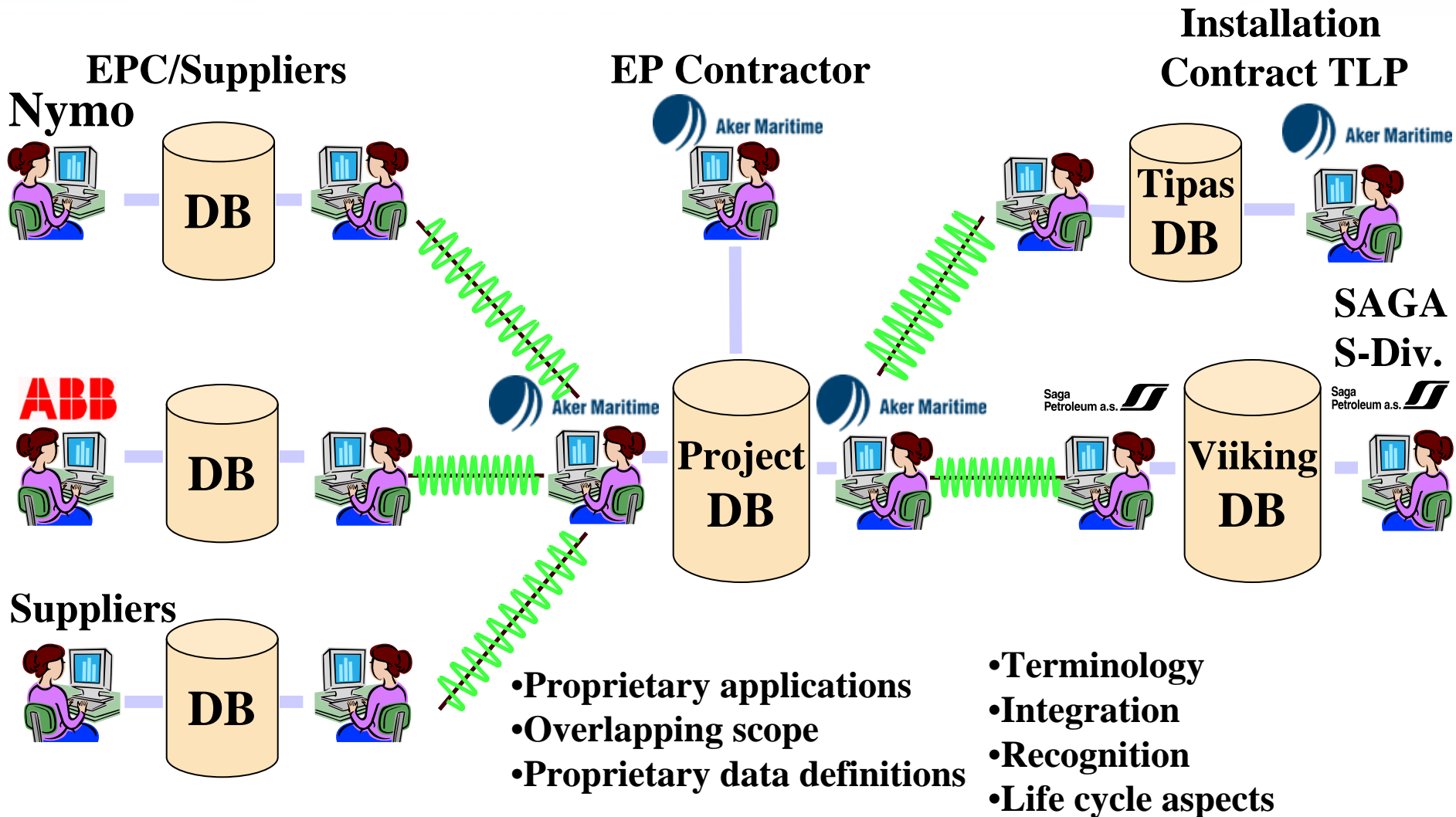
## History of POSC Caesar

- Started as a national Norwegian R&D project in 1993 to develop specification and standards mainly for data handover from engineering contractor to owner/operator in the Oil and Gas industry
- Continued as an international R&D project in 1994-1997 with an increased scope
- The **POSC Caesar Association** was established in November 1997 to develop open specifications and standards for enabling the integration and interoperability of data, software and related matters for e-engineering and e-commerce
- POSC Caesar has 34 members in 8 countries

# History of ISO 15926

- Based the EPISTLE information model from the early 1990ies
- The first large scale implementations were ETAP in 1996 and Aasgard in 1997
- The principals and the technology have since been implemented by a number of software vendor (AVEVA, Bentley, EPMT, IBM, Innotec, Intergraph, Noumenon ---) and been use by many operators (BP, Chevron, Petronas, Shell, StatoilHydro, Total ---) and EPCs (Aker Kværner, Bechtel, Fluor, ---)
- The development of the ISO 15926 standard started in August 1997
- The first two Parts were published by ISO as International Standards (IS) in December 2003 and June 2004
- Phase 1 will be finalized in 2010

# Requirements for Integration and Handover



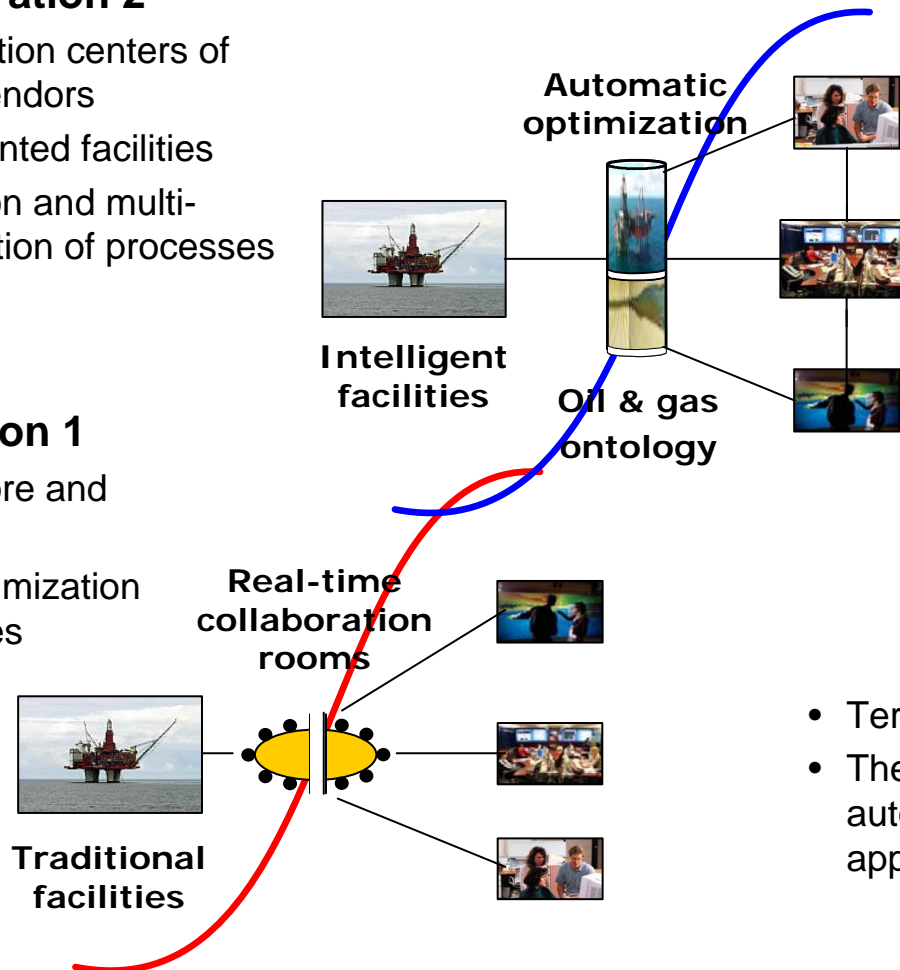
# Requirements for IO G1 and G2

## IO Generation 2

- Integrated operation centers of operators and vendors
- Heavily instrumented facilities
- Heavy automation and multi-domain optimization of processes

## IO Generation 1

- Integrated onshore and offshore centers
- Intra-domain optimization of work processes



## Generation 2

- Complete ontologies supporting automated reasoning or inference of data using logical rules
- Taxonomies for multiple domains

## Generation 1

- Terminologies for single domains
- The basis for XML schemas for automatic transferal of data between applications in same domain