

09:00	<b>Registration and Coffee</b>		
09:30	<b>An Industry Leader, Kevin Holmes, Vice President Western Europe &amp; Africa, Process Power &amp; Marine</b>		
09:50	<b>Integrated Project Execution in the Gjøa Offshore Development Project, Heidi Wevik, Information Manager Gjøa, StatoilHydro</b>		
10:40	<b>Break</b>		
Track	<b>Owner Operator</b>	<b>EPC</b>	<b>SmartPlant Updates</b>
11:00	<b>O1 - Leveraging the engineering design basis - an introduction to SmartPlant for Owner Operators</b> Adrian Park, Intergraph Global Technical Director, Owner Operator Solutions	<b>E1 - The practical side to Intergraph's global worksharing for Mega-projects</b> John Sanins, Intergraph Director, Global Business Development	<b>P1 - Schematics and 2D product updates</b> Marnix du Clou, Intergraph Business Development 2D Engineering & Schematics
11:30	<b>O2 - The need for a new approach. An Owner Operator's perspective</b> Adrian Park, Intergraph Global Technical Director, Owner Operator Solutions		<b>P2 - Material management and cost control update</b> Johan Kroon, Intergraph Smartplant Materials Implementation Consultant
12:00	<b>Exhibition and Networking Lunch</b>		
13:00	<b>O3 - Improved project execution for OOs and PMCs, reduced capital expenditure and project schedules</b> Bjørn Henrik Magnus, Intergraph Business Consultant	<b>E2 - Integrating Process Design</b> Marnix du Clou, Intergraph Business Development 2D Engineering & Schematics	<b>P3 - 3D update</b> Sam Husseini, Intergraph Business Development Director
13:30		<b>E3 - Fast-tracking plant studies</b> John Sanins, Intergraph Director, Global Business Development	
14:00	<b>Coffee</b>		
14:20	<b>O4 - Operational use of engineering schematics</b> Paul Martin, Intergraph Business Development Manager, Piping Solutions	<b>E4 - SmartPlant 3D case studies</b> John Sanins, Intergraph Director, Global Business Development	<b>P4 - SmartPlant Foundation update</b> Francois Haynes, Intergraph Business Development Manager
14:50	<b>O5- Brownfield and greenfield data take-on, validation and loading</b> Adrian Park, Intergraph Global Technical Director, Owner Operator Solutions	<b>E5 - Smart automation - driving competitive advantage</b> Vivek Mokashi, Intergraph Executive Manager – SmartPlant 3D Services	
15:20	<b>Coffee</b>		
15:40	<b>O6 - Strategies for Fast-tracking Plant Studies</b> John Sanins, Intergraph Director, Global Business Development	<b>E6 - Material Management &amp; Project Control</b> Johan Kroon, Intergraph Smartplant Materials Implementation Consultant	<b>P5 - "Smart" Implementation. Intergraph's latest approach and strategy to support successful system implementations</b> Vivek Mokashi, Intergraph Executive Manager – SmartPlant 3D Services
16:10	<b>O7 - Review of an active project</b> Tom Arsenovic, Intergraph European Technical Director		
16:40	<b>Conference end of day one - go and get ready for the evening event at Flymuseet Gardermoen. Meetingpoint at the front desk of the hotel at 18:00 hours - return 22:45 to the hotel.</b>		

08:30	<b>Coffee and Exhibition</b>		
09:00	<b>Utfordringer og muligheter for norsk prosessindustri - kan den norske modellen være til hjelp?</b> Frode Berge, Utviklingsjef Stavanger Næringsforening		
10:00	<b>Break</b>		
10:20	<b>D1 - Nordic Templated SmartPlant Foundation Solutions</b> Paul Means, Intergraph Senior Consultant and Kjell Solem, Intergraph Senior Consultant	<b>D2 - ABB will be demonstrating the Bi-Direction data transfer of process and tag information between the Intergraph SPI tool and the ABB 800xA System.</b> Colin Pearson, ABB	<b>D5 - SmartPlant Review integration with PointCloud from Leica</b> Lars Gulbrandsen, HDS Sales Engineer, Leica Geosystems
11:30		<b>D3 - SmartPlant 3D – Software Utilities to enhance the usability</b> Anton Schreibueller, Managing Partner, CAXperts GmbH	<b>D6 - Trimble Laser Scanning: From Data Capturing to the 3D Model</b> Hartmut Stadali, European Sales Manager, Trimble
		<b>D4 - Offshore Engineering Services to your Benefit</b> Hans-Peter Beier, Rolta Country Manager	
12:00	<b>Exhibition and Networking Lunch</b>		
TUF's	<b>3D</b> Terje Ørbeck, Grenland Group Knut Meland, Intergraph Norge	<b>2D</b> Aino Irene Jensen, Haldor Topsøe Arve Våga, Intergraph Norge	<b>Instrument/Electrical</b> Kent Ronny Hamre, Grenland Group Bård Robstad, Intergraph Norge
13:00	Åpning av møte m/valg av møteleder og referent	Åpning av møte m/valg av møteleder og referent	Åpning av møte m/valg av møteleder og referent
	Gjennomgang av møtereferat fra fjorårets møte	Gjennomgang av møtereferat fra fjorårets møte	Gjennomgang av møtereferat fra fjorårets møte
	Brukernes erfaring med 3D i året som er gått Utfordringer med 3D, diskusjon Hva er viktig for oss som brukere? Utveksling av data til og fra andre systemer? Felles katalog og spesifikasjonsbygging? Andre forslag er velkomne på møtet	Brukernes erfaring med 2D i året som er gått Utfordringer med 2D, diskusjon Hva er viktig for oss som brukere? Utveksling av data til og fra andre systemer? Felles katalog og spesifikasjonsbygging? Andre forslag er velkomne på møtet	Brukernes erfaring med SPI/SPEL i året som er gått. Utfordringer med instrument og electric, diskusjon Hva er viktig for oss som brukere? Utveksling av data til og fra andre systemer? Felles katalog og spesifikasjonsbygging? Andre forslag er velkomne på møtet
	Hva bør vi bruke TUF organisasjonen til (åpen diskusjon)	Hva bør vi bruke TUF organisasjonen til (åpen diskusjon)	Hva bør vi bruke TUF organisasjonen til (åpen diskusjon)
	Kontingent. Bør medlemskapet i TUF organisasjonen ha en kontingent i tillegg til sponing fra Intergraph for å kunne gi mulighet for en større aktivitetsmulighet i gruppen.	Kontingent. Bør medlemskapet i TUF organisasjonen ha en kontingent i tillegg til sponing fra Intergraph for å kunne gi mulighet for en større aktivitetsmulighet i gruppen.	Kontingent. Bør medlemskapet i TUF organisasjonen ha en kontingent i tillegg til sponing fra Intergraph for å kunne gi mulighet for en større aktivitetsmulighet i gruppen.
	Valg. Det foreslås endringer i TUF styrets sammensetning og at dagens ordning med TUF-formann og Intergraph representant utvides med ytterligere ett styremedlem. Det foreslås samtidig at tittelen for TUF-formann endres fra TUF formann til TUF-leder	Valg. Det foreslås endringer i TUF styrets sammensetning og at dagens ordning med TUF-formann og Intergraph representant utvides med ytterligere ett styremedlem. Det foreslås samtidig at tittelen for TUF-formann endres fra TUF formann til TUF-leder	Valg. Det foreslås endringer i TUF styrets sammensetning og at dagens ordning med TUF-formann og Intergraph representant utvides med ytterligere ett styremedlem. Det foreslås samtidig at tittelen for TUF-formann endres fra TUF formann til TUF-leder
	Eventuelt	Eventuelt	Eventuelt
16:00			

## Presentation Overviews

### Integrated Project Execution in the Gjøa Offshore Development Project

#### Heidi Wevik, Information Manager Gjøa, StatoilHydro

In this session integrated project execution (IPE) in Gjøa offshore development project will be presented. IPE is a set of work processes which cover life cycle information (LCI) and handling of technical issues like change and interface management, technical/site queries and non-conformances in new development projects and modification projects on existing installations. Smart Plant Foundation is used to handle the LCI and technical issues in the project execution phase, including the approval processes.

## Owner Operator Stream

### 01 - Leveraging the engineering design basis - an introduction to SmartPlant for Owner Operators

Adrian Park, Intergraph Global Technical Director, Owner Operator Solutions

SPO represents a major initiative from Intergraph to provide out-of-the-box preconfigured work processes, integrations and interoperability with third party applications for the owner operator. This session will present the current offering and benefits that it provides and looks ahead to the benefits that the SPO release in 2008 and beyond will offer.

### 02 - Why adopt an integrated engineering information management strategy - an Owner Operator's perspective

Adrian Park, Intergraph Global Technical Director, Owner Operator Solutions

Preparing the Way for a Data-centric Strategy - an Owner Operator's Perspective Data-centricity can have a significant beneficial impact on project execution, the handing over of information, and the operational effectiveness of a plant. But the challenges and impediments to deploy such a strategy are not technological – they are usually organisational, contractual, and cultural.

### 03 - Introduction, improved project execution for OOs and PMCs, reduced CAPEX expenditure and project schedules

Bjørn Henrik Magnus, Intergraph Business Consultant

OOs and PMCs are experiencing an unprecedented wave of CAPEX projects but are facing major challenges in delivering these to schedule and specification and within budget. This presentation will explain how the SPO Project Execution addresses critical project execution processes such as managing change, non-conformity and technical queries on CAPEX projects and the benefits that can be won.

### 04 - Operational use of engineering and schematics

Paul Martin, Intergraph Business Development Manager, Piping Solutions

This presentation will show how a combination of 2D schematics engineering tools - SmartPlant P&ID, SmartPlant Isometrics and SmartPlant P&ID Design Validation - can be employed in the operations environment to validate and improve existing plant piping data asset documentation which is a fundamental prerequisite of safe and effective plant operation.

### 05 - Brownfield and Greenfield data take-on, validation and loading

Adrian Park, Intergraph Global Technical Director, Owner Operator Solutions

The loading and validation of information delivered from greenfield and brownfield projects is a complex, time consuming activity. This session will present a new solution offering from Intergraph that will reduce the effort required and provide a complete auditable record of what tests have been performed on data and the results. The solution provides a staging area where data may be loaded prior to subjecting it to a sets of user defined validation rules before being loaded into target systems.

### 06 - Strategies for fast-tracking plant studies

John Sanins, Intergraph Director, Global Business Development

Conceptual plant design, undertaken to determine project feasibility and financial viability, is a crucial first step in the development of a new facility. Plant owners and EPCs alike must be able to accurately determine alternate plant configurations to create financial justifications to proceed. Established conceptual plant layout workflows based on a combination of 2D layout, 3D plant modelling and historical project cost data continues to be used today, but for how long?

This presentation will review the current feed strategies, workflows and industry best practices applied to conceptual plant layout and outlines Intergraph's latest approach to improving plant layout integration and cost optimisation using SmartPlant Layout linked to external cost estimating applications.

### 07 - Review of an active project

Tom Arsenovic, Intergraph European Technical Director

SPO provides a wide range of preconfigured work processes and integrations with third party systems designed to assist the Owner Operator through out the plant life-cycle. This session will focus on the value propositions that these solutions offer with reference to a user case.

## Presentation Overviews - EPC Stream

### E1 - The practical side to Intergraph's global worksharing for mega-projects

John Sanins, Intergraph Director, Global Business Development

Global worksharing to support multi-billion dollar "mega-projects" is now an essential aspect of project execution across all process plant sectors. Maximising resource deployment and the availability of skilled engineering teams across national and international boundaries relies on technologies capable of providing access to the latest plant design data and deliverables without compromise or delay. This presentation will provide an overview of Intergraph's plant design software worksharing capabilities and the technologies used to support global worksharing. The practical side of using this sophisticated technology on a current mega-project will be highlighted. The benefits seen by the project team will be illustrated with an example of a SmartPlant 3D customer currently using SmartPlant 3D's worksharing tools on a live project.

### E2 - Integrating process design

Marnix du Clou, Intergraph Business Development 2D Engineering & Schematics

The foundation of plant design is process design. The determination of chemical compositions, temperatures, pressures, and more are the key criteria for designing equipment and pipelines. This session will present the extension of Intergraph SmartPlant Enterprise in the process design area with SmartPlant Process Engineer. An interface with Honeywell's UNISIM process simulation solution will be used as an example of integration with third party calculation programs. The management of design cases to drive plant specifications and seamlessly feed downstream design tasks such as SmartPlant P&ID and SmartPlant Instrumentation will enhance data quality and design efficiency. This solution is being developed with Intergraph's industry partners to ensure the right fit for the job at hand. Attendees will learn why SmartPlant P&ID is important for data integration, especially with SmartPlant Foundation.

### E3 - Strategies for fast-tracking plant studies

John Sanins, Intergraph Director, Global Business Development

Conceptual plant design, undertaken to determine project feasibility and financial viability, is a crucial first step in the development of a new facility. Plant owners and EPCs alike must be able to accurately determine alternate plant configurations to create financial justifications to proceed. Established conceptual plant layout workflows based on a combination of 2D layout, 3D plant modelling and historical project cost data continues to be used today, but for how long?

This presentation will review the current feed strategies, workflows and industry best practices applied to conceptual plant layout and outlines Intergraph's latest approach to improving plant layout integration and cost optimisation using SmartPlant Layout linked to external cost estimating applications.

### E4 - SmartPlant 3D user case studies

John Sanins, Intergraph Director, Global Business Development

Implementing SmartPlant 3D on first projects - a series of customer-based presentations outlining their experiences and approaches taken. Each presentation will share valuable insights into plans implemented, challenges faced, and lessons learned. Attendees will learn how Intergraph's plant design systems are now being successfully deployed to support plant design projects in real production environments.

### E5 - Smart automation - driving competitive advantage

Vivek Mokashi, Intergraph Executive Manager – SmartPlant 3D Services

The evolution and adoption of 3D plant design systems over the last 25 years has provided a range of significant business, project and engineering benefits to support detailed plant design. Improved graphical user interfaces and programmable macro languages have been fully exploited by customers using first and second generation 3D plant design systems. With the advent of Intergraph's latest 'Next-Generation', intelligent Smart 3D design automation environment, these benefits are now being extended even further by customers looking to increase design productivity and overall quality of design without compromising project costs and schedules.

This presentation outlines and describes the evolution of Smart 3D design automations available today with practical end-user examples of automations which are now providing substantial competitive advantage to Smart 3D users.

### E6 - Material management & project control

Johan Kroon, Intergraph Smartplant Materials Implementation Consultant

Management of the costs of Materials & Construction, in line with the control against Project Budgets is a key challenge for organisations today. We require standardised tools, with solid data integration in order to deliver this critical business function. SmartPlant Reference Data & Material, used in conjunction with the PRISM Suite comprise Intergraph's solution to the challenge.

This session will outline some of the unique areas of functionality and integration and will highlight some of the new usability enhancements in the SmartPlant applications.



## Presentation Overviews - Product Update Stream

### P1 - Schematics and 2D products update

Marnix du Clou, Intergraph Business Development 2D Engineering & Schematics

This session will highlight the latest product updates, including SmartPlant P&ID, SmartPlant Instrumentation and SmartPlant Electrical. One of the main new features of SmartPlant P&ID is called "typicals". With this enhancement the process engineer is able to further improve the efficiency by creating and re-using typical drawings throughout the design process. Further, Intergraph continues to extend SmartPlant Instrumentation usability through staged development of functionality meeting customer demands, planned architectural changes and quality improvements. Lastly, SmartPlant Electrical's upcoming releases are focused on improving efficiency and productivity, including a bi-directional interface with ETAP to tie the two personalities of electrical engineering data – the physical and analysis data.

### P2 - Materials management and cost control update

Johan Kroon, Intergraph SmartPlant Materials Implementation Consultant

Key factors in the growth of Intergraph SmartPlant Materials' market share include its flexibility combined with rich and comprehensive functionality, all reflecting industry best practices. This session discusses SmartPlant Materials' continuing market-driving development strategy, focusing on major enhancements in version 2008. Some of these enhancements include a new user interface based on Microsoft .NET technology, a new integration to and from SmartPlant Isometrics, and a one-time SmartPlant 3D Pipe Specification import into SmartPlant Reference Data.

### P3 - 3D update

Sam Hussein, Intergraph Business Development Director

Intergraph's upcoming version 2008 release of SmartPlant 3D continues to strengthen its growing market position worldwide with a range of technology and software updates addressing the demands of the multi-discipline plant design team. Overviews will highlight the latest 3D modelling extensions to support 3D civil foundation design with continued developments in the SmartPlant 3D structural task. Updates support structural model design, analysis, and detailing workflows, emphasising the latest round-tripping between SmartPlant 3D's structural modelling task and Tekla Structures (XSTEEL). In addition, updates will introduce the latest developments surrounding SmartPlant 3D's hanger and support task. Intergraph will publicly showcase for the first time ever the latest concepts in SmartPlant 3D's hanger and support "smart parts," aimed at dramatically increasing hanger and support design and productivity.

### P4 - SmartPlant Foundation product update

Francois Haynes, Intergraph Business Development Manager

This session features an important technology briefing on Intergraph's information management and integration strategy and roadmap. Highlights will include presentation of the capabilities in the newly released Intergraph SmartPlant Foundation v2008, including managed inconsistency through domains, project status visibility supported by progress tracking, concurrent engineering, remote access via Web portals, and harmonisation of definition and administration tasks. The integration roadmap will also showcase how the SmartPlant Enterprise tools will collaborate using the evolved SmartPlant Foundation v2008 architecture.

### P5 - "Smart" implementation – Intergraph's latest approach and strategy to support successful system implementations

Vivek Mokashi, Intergraph Executive Manager – SmartPlant 3D Services

The advent of first-generation 3D plant modelling systems in the early 80s introduced a number of business and project benefits, fuelling further investment and development of today's latest, integrated "next-generation" plant design environments. The early strategies and approaches adopted to implement plant design systems exposed significant challenges within organisations, which in some cases slowed their initial adoption on major projects.

This presentation will showcase Intergraph's strategy to support successful first implementations of its SmartPlant 3D solution, extending beyond the simple approaches used 25 years ago. Intergraph's "smart" implementation strategy combines the latest in Web-based user training, template-based project planning, and best practice engineering workflows and procedures to support successful implementations. Its aim – to dramatically reduce the time and costs to bring a new plant design system to production level – will be discussed, along with how Intergraph's customers have implemented SmartPlant 3D using aspects of this approach.

## Presentation Overviews

### Utfordringer og muligheter for norsk prosessindustri - kan den norske modellen være til hjelp?

#### Frode Berge, Utviklingsjef Stavanger Næringsforening

Norsk prosessindustri er svært konkurransedyktig, men står ovenfor store utfordringer. Det handler blant annet om kompetanse, langsiktighet og forutsigbare rammevilkår, og nye miljøkrav. Viktige spørsmål da blir hvordan myndigheter og industri i samarbeid kan sikre et godt og langvarig liv for norsk prosessindustri.

#### D1 - Nordic Templated SmartPlant Foundation Solutions

Paul Means, Intergraph Senior Consultant and Kjell Solem, Intergraph Senior Consultant

Brief info on available templates and roadmap for template extensions

Plant breakdown structure

Document management functionality exposed in templates (if time).

Tag management

Norsok datasheet

SPF Nordic Templated Solutions brings together standardized tool integration, pre-configured solution templates and maximum end user configurability in one common system

Project background

Goals & high level principles.

Show / demos

Tag index data sets exposing both EF schema and typical tag / engineering indexes (engineering / handover).

Maintain lists demonstrating flexibility of system.

Publish from P&ID and 3D model; navigating between drawings and database within SPF and informing users of which data has which source.

Planned

Collaboration management template

Organisation

Model / asset

Project Implementation Approaches

Why the approach works:

Well designed high level model that requires few changes from customer to customer. Focus on documentation: marketing, workshop, design, markup basis, testing, etc. to ensure quality and that customer understands what they'll get. Focus on a highly functional starting point, eg. pre-configured solutions that represent most of what a customer needs, they only have to focus on specifying / implementing a limited "delta" Focus on reducing effort intensive configuration activities by enhancing software

Admin tool to speed up config work and reduce efforts in deployment and version management

Common generic solutions for search, create, maintain relations to keep menu and method customisation to a minimum

Software extensions to ease setup for initial and subsequent project setups: Multi plant support, typing approach

Software extensions to enable customers to take control of their own customisation (lists, forms, properties, picklists, etc.)



## Presentation Overviews

### **D2 - ABB will demonstrate the bi-direction data transfer of process and tag information between the Intergraph SPI tool and the ABB 800xA System**

Colin Pearson, ABB

ABB will demonstrate the bi-direction data transfer of process and tag information between the Intergraph SPI tool and the ABB 800xA System. This will involve demonstrating the mapping of 'Signal' data within SPI to 'Object' data in the award winning 800xA System. The demonstration will follow a 'typical' lifecycle where initially it is understood that a device will be required although process and alarm/event data is not yet known....to then updating the 800xA DCS solution with this information at a later date from the SPI database. It will then represent the commissioning phase where values have been changed within the 800xA system as process information is updated. We will then demonstrate how it is possible to pass data back from the DCS to the SPI database (wherever it may reside in the world) automatically without intermediate files or human data manipulation. The final part of the demonstration will show how 800xA system users (operators or maintainers) are able to access information from within the SPI database directly on the HMI via a 'Right Click' on a 800xA Object without having to move from the critical process environment.

ABB believe this mechanism is the future for reliable bidirectional data transfer between the DCS and the Owner/Operators or EPC's databases to ensure total synchronisation of systems.

More and more of ABB's customers are recognising that the integration of Electrical and Automation systems will provide massive benefits, not only in common engineering but also the common use of Alarm/Event, Asset Optimisation and Management Systems as well as common Computerised Maintenance Management Systems.

### **D3 - 3D SmartPlant 3D – software utilities to enhance the usability**

Anton Schreibmueller, Managing Partner, CAXperts GmbH

CAXperts 3D Symbol Designer is far more than an Equipment Modeler. The presentation will give an overview of functions available today and tomorrow. It shows how the software will provide an impressive return of invest for its customers. The presentation will also give an overview on other products available which will enhance the usability of Smart Plant 3D significantly.

Anton Schreibmueller, Managing Partner, CAXperts GmbH. As founder and managing partner of CAXperts GmbH he serves the company for the last 6 years. Anton manages the CAXperts subsidiaries in Australia, Singapore and India. He has 17 years international experience with software and EPC companies. He worked since 14 years with SmartPlant Material and his interfaces to design systems. He was involved in innumerable system implementations for EPC and O/O companies all over the world. Before founding CAXperts, he served Linde Engineering in Munich Germany in the plant design group. He holds a bachelor's degree in mechanical engineering

### **D4 - Offshore Engineering Services to your Benefit**

Hans-Peter Beier, Rolta Country Manager

### **D5 - SmartPlant Review integration with PointCloud from Leica**

Lars Gulbrandsen, HDS Sales Engineer, Leica Geosystems

### **D6 - Trimble laser scanning: From data capturing to the 3D model**

Hartmut Stadali, European Sales Manager, Trimble

## Technical User Forums

### Technical User Forums

#### Instrumentation & Electrical Technical User Forum

TUF Leder; Kent Ronny Hamre, Grenland Group

TUF Sponsor; Bård Robstad, Intergraph Norge

#### Process Design & Engineering Technical User Forum

TUF Leder; Aino Irene Jensen, Haldor Topsøe

TUF Sponsor; Arve Våga, Intergraph Norge

#### Piping, Equipment, HVAC, Visualization and Structural Engineering Technical User Forum

TUF Leder; Terje Ørbeck, Grenland Group

TUF Sponsor; Knut Meland, Intergraph Norge

Åpning av møte m/valg av møteleder og referent

Gjennomgang av møtereferat fra fjorårets møte

Brukernes erfaring med produktene i året som er gått  
Utfordringer - diskusjon  
Hva er viktig for oss som brukere?  
Utveksling av data til og fra andre systemer?  
Felles katalog og spesifikasjonsbygging?  
Andre forslag er velkomne på møtet

Hva bør vi bruke TUF organisasjonen til (åpen diskusjon)

Kontingent.

Bør medlemskapet i TUF organisasjonen ha en kontingent i tillegg til sponsing fra Intergraph for å kunne gi mulighet for en større aktivitetsmulighet i gruppen.

Valg.

Det foreslås endringer i TUF styrets sammensetning og at dagens ordning med TUF-formann og Intergraph representant utvides med ytterligere ett styremedlem. Det foreslås samtidig at tittelen for TUF-formann endres fra TUF formann til TUF-leder

Eventuelt