



Intergraph® Process, Power & Marine
 Technical User Forum (TUF) Meetings
 June 1-2, 2014
 MGM Grand Resort; Las Vegas, Nevada, USA

Most TUF meetings will convene on the third floor of the MGM Grand Convention Center on Sunday, June 1. There is no cost to attend.

The Marine User Group will take place on Monday, June 2. There is no cost to attend, but you do need to register for this event. Please see more information in this document.

Technical User Forum (TUF) Meetings – Sunday, June 1, 2014

3D & VISUALIZATION TUF

Agenda

3D & Visualization TUF – Room 318			
Time	Topic		
8:00 – 9:00 a.m.	Plenary Session		
09:00 – 09:15 a.m.	Break		
	Smart 3D Technical User Forum Breakout 1 – 318	Smart 3D Technical User Forum Breakout 2 – 306	Smart 3D Technical User Forum Breakout 3 – 307
9:15 – 10:15 a.m.	Introducing the Civil Environment	Marine Fast Track Drawings and Smart Production Powered by Nestix	SmartPlant P&ID Integration
10:15 – 10:30 a.m.	Break		
10:30 – 11:30 a.m.	Administrative Improvements	Hangers and Equipment	Structure
11:30 a.m. – 12:30 p.m.	TUF Luncheon – Room 319		
12:30 – 1.30 p.m.	SPRD Integration	New Environments in V2014	Drawings and Reports
1:30 – 1.45 p.m.	Break		



	TUF Breakout 1 – 318	TUF Breakout 2 – 306	TUF Breakout 3 – 307
1:45 – 2.45 p.m.	SPEL/SPI/S3D Cable Integration	Piping Isometrics	Mechanical CAD in 3D Interop
2:45 – 3.00 p.m.	Break		
3:00 – 4.00 p.m.	Laser Scanning	Material Handling Edition	
4:00 – 5.00 p.m.			

3D & VISUALIZATION TUF SPONSORS

Session	Customer Sponsor	Intergraph Sponsor
Plenary		Tom Szoka
Administration Improvements	David Carnahan, CH2M HILL	Suvrat Dongre
Drawings and Reports	Cesar Mattos, KBR	Suvrat Dongre
Hangers and Equipment	John Leeflang and Rodolfo Zertuche, CB&I	Brant Remenda
Introducing the Civil Environment	Joao-Carlos Pereira-Fialho, Technip	Joe Harrison
Laser Scanning		Joe Harrison
Marine Drawings – Fast Track	Jørgen Kristiansen, Odense Maritime Tech	Joe Baumer and Marcel Veldhuizen
Materials Handling Environment	Morten Pedersen, FLSmidth A/S	Barry Woodin
Piping Isometrics	Matthias Sadus, Enning Engineering	Jim Edwards
New Environments in V2014		Davide Guzzi
SmartPlant® P&ID Integration	Klaus Reitsam, Linde AG	Muneeb Khadeer
SPRD Integration	Clayton Cooper, Air Liquide	Satish Hota
Structure	Gary Sarver, Bechtel	Aimee Ferguson
SPEL/SPI/S3D Cable Integration		Muneeb Khadeer
Mechanical CAD in 3D Interop		Robert Christian



3D & VISUALIZATION TUF BREAKOUT SESSIONS

9:15 – 10.15 a.m.

Introducing the New Civil Environment

Come see and hear about the newest task environment in Intergraph Smart™ 3D, Civil, that will be rolling out with Smart 3D 2014 R1. This new environment not only supports catch basins, sumps, slabs, walls, design solids but also has state of the art functionality for placing and modifying sloping ditches and trenches through an assortment of placement methods and modification options. Catalog data allows user-defined cross sections to be routed. Out-of-the-box content is available for drawings and reports too. Don't miss this chance to see and hear about this newest environment.

Marine Fast Track Drawings and Smart Production Powered by Nestix

Come see and hear about the newest developments for marine fabricators. This session will introduce some new, highly automated drawings specifically for marine fabricators. These drawings include block construction drawings, assembly drawings and XML-based manufactured part drawings. These drawings include automated bill of materials, weld/bevel labels, weld lengths, weight and center of gravity, and other features.

During this session, we will also introduce Smart Production powered by Nestix. Smart Production powered by Nestix controls the production processes from part fabrication all the way to complete assembled units (modules, blocks, work packages, pipe spools, and assembly kits). We will see how it fits into the Smart Enterprise for Yard solutions that provide a full suite of process applications, including design software, material management, work package scheduling, and documents management – everything needed for LEAN manufacturing of structural steel, piping, or any construction assemblies. Don't miss this chance to see and hear about these new developments for fabricators.

SmartPlant P&ID Integration

SmartPlant P&ID Integration with Smart 3D is an essential piece of the integration workflow, and it is our job to ensure that we continue to improve your experience with SmartPlant P&ID integration. We have been working on some exciting new enhancements and would like to share them with you during this session. Please join us during our breakout session to see what we have been working on and give us your feedback. The main purpose for this session is to get feedback from TUF participants on the current release and prioritization of items for future releases so that Intergraph can respond to your requirements. Please bring your proposals, share your user experiences, and participate in the SmartPlant P&ID Integration breakout session. Look forward to seeing you there!



10:30 – 11.30 a.m.

Administration Improvements

In this breakout session, we will highlight recent and upcoming improvements in Smart 3D to make configuration and administration of Smart 3D easier. We will also review utilities available on our Smart Support site that help with administration. Finally, we will open the floor up for discussions to let TUF members share their own work-processes, tips, and best practices to help the administrator.

Hangers and Equipment

We invite you to attend this breakout session where we will demonstrate and discuss the latest improvements we have been working on over the last 12 months as they relate to the Hangers and the Equipment Tasks. We will then open up the floor to listen to what directions users and potential users would like to see the products functionality to take. Don't miss this opportunity to ask questions and to let Intergraph know your priorities.

Structure

We will begin our Structure breakout session with a discussion of the recent Intergraph acquisition of GT STRUDL® and how this will enhance the Smart 3D Structural Analysis road map. We would like your feedback on this plan and how you envision using the structural analysis tools with your Smart 3D models. Also, the Smart 3D content team has been working to enhance the existing traffic item Best Practice Wizards and we will provide you with an update on what has changed. As before, we will be happy to field any questions you may have regarding the CIS/2 or IFC structural data transfer with detailing tools or any other structural functionality that you would like to discuss. The key points for the discussion will be feedback from TUF participants on the current release and prioritization of items for future releases so that Intergraph can respond to customers' constantly changing requirements.

12:30 – 1.30 p.m.

SmartPlant Reference Data Integration

Please join us in the SmartPlant Reference Data (SPRD) and Smart 3D Integration breakout session. In this session, you will get to know the enhancements in SPRD and Standard Database over the past 12 months with an emphasis on how they offer value to the Smart 3D users. We will also be sharing a roadmap with the enhancements that are planned to make reference data creation easier in SPRD and to improve integration with Smart 3D. Subsequently, we will open the floor for discussions and solicit your valuable feedback to help guide the direction of these products to better address your needs.

New Environments in V2014

In V2014 R1, a new Civil Environment will be introduced to address the requirements of onshore plant and mining facilities. This new task supports catch basins, sumps, slabs, walls, and design solids. It provides the added ability for placing and modifying sloping ditches and trenches. This breakout session will provide an introduction to this new environment and allow you the opportunity to ask questions about the functionality being delivered.

Also, the 2014 version of Smart 3D continues to implement the Harmonized Product roadmap, allowing customers to experience many of the technologies developed for the marine industry that provide big benefits for modular design and construction. In addition to allowing users to review this functionality, this breakout session will provide a forum to share how you have integrated these new functionalities in your work processes and any improvements you'd like to see now that you have started executing these environments in typical plant workflows.

Drawings and Reports Breakout Session

Please join us in the Drawings & Reports breakout session where we will begin by discussing the enhancements in the 2014 R1 release. We will then open up the discussion to TUF members on your experiences with Drawings and Reports creation and administration to make sure Intergraph's plans line up with your needs.



1:45 – 2.45 p.m.

SPEL/SPI/S3D Cable Integration

SmartPlant Electrical/SmartPlant Instrumentation/Smart 3D Cable Integration is an essential piece of the integration workflow, and it is our job to ensure that we continue to improve your experience with cable integration. We are planning some exciting new enhancements and would like to share them with you during this session. Please join us during our breakout session to see what we have been working on and give us your feedback. The main purpose for this session is to get feedback from TUF participants (you!) on the current release and prioritization of items for future releases so that Intergraph can respond to your requirements. Please bring your proposals, share your user experiences, and participate in the SPEL/SPI/S3D Cable Integration breakout session. Look forward to seeing you there!

Piping Isometrics Breakout Session

Please join us in the Piping Isometrics breakout session where we will look at recent developments, particularly the upcoming ISOGEN® Configuration tool. Next we will share our medium- to long-term plans. Finally, there will be an open discussion led by you, the TUF members, to explain your piping isometrics needs. This is your chance to connect with the piping isometrics experts to ask questions and influence priorities.

Mechanical CAD in 3D Interop

Learn about the soon-to-be-announced MCAD module for SmartPlant Interop Publisher. This new module enables SmartPlant Interop Publisher to convert 3D models designed in mechanical CAD applications to be used in Smart 3D, SmartPlant Review, SmartPlant Foundation, SmartPlant Construction, and SmartPlant Materials. Learn how it improves quality and reduces the number of steps required to include equipment models in the plant by reading the natively MCAD formats from NX, Solid Edge, SolidWorks, Pro/E, CATIA, and Inventor. Along with simplification and de-featuring options, data on intelligent connect points is captured and stored, significantly improving memory management and workflows while eliminating the need to re-model unique equipment, modules, or sub-systems. The session will also provide an opportunity to see SmartPlant Review as a large model viewer (64-bit application).

3:00 – 4.00 p.m.

Laser Scanning

Laser scanning is becoming a larger part of the engineering and construction work processes for new and brownfield projects. Hear the latest news on the integration of Leica CloudWorx™ with Smart 3D. Also, discover some of the new applications for point cloud data and how these applications may spawn new opportunities for your company. Don't miss this opportunity to talk with the Leica and Intergraph representatives in providing direction for the future of point cloud data.

3:00 – 5.00 p.m.

Materials Handling Edition

Please join us in the Materials Handling breakout session, where we will start off with an update from Intergraph on new functionality in 2014 R1 release and future direction of Smart 3D for the Materials & Mining industry. Following the release update, we will have client presentations on a variety of M&M specific items, such as Chute and Conveyor layout. Finally, we will have an open group discussion on current MHE functionality and how this fits the M&M industry.



ENGINEERING & SCHEMATICS TUFs

Instrumentation, Electrical & P&ID Combined Meeting

The PP&M Global Technical Users Forum chairmen and Intergraph invite you to attend the SmartPlant Instrumentation, Electrical, and P&ID Global TUF meetings. Attendees will meet in a combined session before breaking into subject-area meetings in the afternoon. The meeting is open to all current users of SmartPlant Instrumentation, SmartPlant Electrical, and SmartPlant P&ID. The global TUF meeting's objective is for the members of the instrumentation, electrical, and process design communities and users of SmartPlant Instrumentation, SmartPlant Electrical, and SmartPlant P&ID to gather and discuss issues of interest, as well as to provide Intergraph with feedback from the customer community on its needs. Intergraph will also present short- and medium-term software development plans to the user communities.

Agenda

Instrumentation, Electrical & P&ID Combined TUF – Room 310	
Time	Topic
8:00 a.m.	Introductions (John Dressel, Scott Hendrickson, and Joe Lawrence – TUF chairs)
8:15 a.m.	Intergraph Smart Cable Management (Intergraph)
8:45 a.m.	Intergraph Smart Support Introduction (Intergraph)
9:00 a.m.	Intergraph Smart Cloud Overview (Intergraph)
9:15 a.m.	SmartPlant LinkedIn Technical User Forums (Intergraph)
9:30 a.m.	SmartPlant CR Ranking (Dennis Cooley)
9:45 a.m.	Break/Networking
10:00 a.m.	SmartPlant Roundtable Topic – Smarter Cable Management
10:20 a.m.	SmartPlant Roundtable Topic – Smarter Content/Vendor Data
10:40 a.m.	SmartPlant Roundtable Topic – Smarter Automation
11:00 a.m.	SmartPlant Roundtable Topic – Smarter Engineering Data
11:20 a.m.	SmartPlant Roundtable Topic – Smarter User Experience/Interfaces
11:40 a.m.	SmartPlant Roundtable Summary and Conclusions
12:00 p.m.	TUF Luncheon – Room 319
1:00 p.m.	Instrumentation, Electrical & Process Design Breakout Meetings



Instrumentation Breakout Meeting

The SmartPlant Instrumentation TUF Breakout session will focus on the demands of using SmartPlant Instrumentation in both the EPC and owner operator environments with an emphasis on interfaces and integration. The session will review the CR ranking process and the use of SmartPlant Instrumentation with emerging wiring technologies. Other discussion items planned for this session include:

- Users' experiences with SmartPlant Instrumentation.
- Owner operator considerations with SmartPlant Instrumentation.
- Communication between users and Intergraph representatives.
- New capabilities and functions of SmartPlant Instrumentation.

Agenda

Instrumentation TUF – Room 311	
Time	Topic
1:00 p.m.	Opening Remarks (John Dressel, Fluor, Instrumentation TUF Chair)
1:15 p.m.	SmartPlant Instrumentation Tool Owner Perspective (Guy Masin, Intergraph) <ul style="list-style-type: none"> • SmartPlant Instrumentation Developer Perspective • SmartPlant Instrumentation CR Support Perspective • SmartPlant Instrumentation Perspective of the Future
2:00 p.m.	SmartPlant Instrumentation Operations Perspective (Dennis Cooley, CooleyCore Associates Inc.)
2:30 p.m.	Break / Networking
2:45 p.m.	SmartPlant Instrumentation Integration Perspective (John Dressel, Fluor)
3:15 p.m.	SmartPlant Instrumentation 2015 Perspective (Ahmed Esaklul, CB&I)
3:45 p.m.	Forum Discussion on Specific SmartPlant Instrumentation Topics <ul style="list-style-type: none"> • Toward SmartPlant Instrumentation 2015 • Owner Operator SPI Experiences • SmartPlant Foundation Integration • SPI and Other Intergraph Smart Tools • Additional SPI Topics
4:15 p.m.	Open Q&A Session
4:30 p.m.	Formal Meeting Close / Networking



Electrical Breakout Meeting

The Electrical TUF breakout session allows current users of SmartPlant Electrical to share experiences, learn from others, and help the direction of the product in an open dialog setting. During this session, attendees will discuss the new functionality expected in the next release and workflows that can be enhanced with integration and automation layers.

Other discussion items planned for this session include:

- Users sharing experiences with SmartPlant Electrical.
- Presentations from users on possibilities of using automation layers and other interfaces.
- Exchange ideas and experiences among peers and Intergraph representatives.
- Discuss and learn about new product capabilities delivered in recent releases.

Agenda

Electrical TUF – Room 310	
Time	Topic / Discussion Leader
1:00 p.m.	Opening Remarks (Scott Hendrickson, Burns & McDonnell, SPEL TUF Chair)
1:05 p.m.	SmartPlant Electrical LTUF Update (June Thomas, WorleyParsons, Houston SPEL LTUF Chair)
1:15 p.m.	SmartPlant Electrical CR Ranking (Meir Stein, Intergraph)
2:30 p.m.	Break / Networking
2:45 p.m.	SmartPlant Electrical Customer Feedback (Scott Hendrickson, Burns & McDonnell, SPEL TUF Chair) <ul style="list-style-type: none"> • Bring your company's Top 5 wish list to be discussed with the group • Initial ranking of presented wish lists
3:45 p.m.	SmartPlant Electrical Sunflower Project – Phase II Scope Review (Meir Stein, Intergraph)
4:30 p.m.	Formal Meeting Close / Networking



Process Design & Engineering Breakout Meeting

The Process Design & Engineering TUF meeting is open to all current users of Intergraph SmartPlant P&ID. The meeting will provide a forum to exchange ideas among fellow users and Intergraph representatives. During the meeting, TUF chairpersons will discuss the previous year's activities and mention upcoming planned events. There will be an overview of upcoming releases for SmartPlant P&ID, followed by questions and answers.

Agenda

Process Design & Engineering TUF – Room 308	
Time	Topic
1:00 p.m.	Opening Remarks, TUF Chairs – Joe Lawrence (Wood Group Mustang) and Christine Rech (CAXperts)
1:15 p.m.	Ensuring Data Integrity in the SmartPlant Databases – Christine Rech (CAXperts)
2:00 p.m.	Integration and Automation in Practice – Klaus Reitsam (Linde AG)
2:45 p.m.	SmartPlant P&ID Design Validation (Intergraph)
3:15 p.m.	Open Topics of Discussion – Where Do We (As a TUF Group) Go from Here?
4:00 p.m.	Closing Remarks



INFORMATION MANAGEMENT & SPO TUF

The Information Management & Integration (IM&I) Technical User Forum (TUF) will conduct its annual review of the SmartPlant Foundation (SPF) and SmartPlant Enterprise for Owner Operators (SPO) solutions. Join fellow Information Management users as they meet face-to-face to exchange work process insight and experiences to help make everyone more productive. TUF attendees should be prepared to discuss their own project experiences during this interactive time and help set software development priorities for future releases.

Agenda

Information Management & SPO TUF – 320	
Time	Topic
08:30 a.m.	Opening Remarks & Introductions (John Kidd, Intergraph)
08:40 a.m.	Regional TUF Activity – Regional TUF Chairs (John Kidd, Intergraph)
09:00 a.m.	SPF Update – Includes SPF 5.x, BI Module, SPEC Plans & VTL (Andy Mitchell, Intergraph)
10:00 a.m.	Break
10:15 a.m.	SmartPlant Fusion Product Overview (Martin Hawkins, Intergraph)
11:15 a.m.	SPO Update Including SmartPlant Fusion Link (Adrian Park and Dell Wilson, Intergraph)
12:00 p.m.	Lunch
12:30 p.m.	MTR & ICC2 Update (Allen Egnor, Intergraph)
1:15 p.m.	Customer Presentation (Neil Bonel, Santos, and Marion Smith, SCANA)
1:30 p.m.	Round Table Sessions (SPO/SPE/SPF/VTL/Fusion)
2:15 p.m.	Break
2:30 p.m.	Round Table Sessions Continued
3:30 p.m.	Capture of Discussion Priorities and AOB (All)
3:45 p.m.	Formal Meeting Close / Networking



MATERIALS MANAGEMENT TUF

The SmartPlant Materials Technical User Forum (TUF) is open to all current users of the Intergraph SmartPlant Materials product suite. This TUF provides a forum for exchange of ideas between fellow users and Intergraph representatives. Benefits of TUF membership will be discussed, and new clients are encouraged to join. During the session, the previous year's TUF activities and achievements will be reviewed. Changes in SmartPlant Reference Data, SmartPlant Materials, and Standard Database will be shown as an overview. A question-and-answer period will follow, and the session will close with the determination of action items for 2014-2015.

Agenda

Materials Management TUF – Room 309	
Time	Topic
08:30 a.m.	Meet & Greet
09:00 a.m.	Introductions & Review of the Agenda (Darren Wellington, CH2M HILL)
09:15 a.m.	TUF Organizational Meeting & Objectives (Darren Wellington, CH2M HILL)
09:40 a.m.	TUF Communication on LinkedIn (Darren Wellington, CH2M HILL)
10:00 a.m.	Intergraph Smart Support (Richard Andrews, Intergraph)
10:30 a.m.	Product Update (Guido Hufer, Ahmet Akin, and Satish Hota, Intergraph)
11:30 a.m.	TUF Luncheon – Room 319
12:30 p.m.	Intergraph Business Update, Global and Regional
01:00 p.m.	Blue Iron – Site Scan for SmartPlant Materials
01:30 p.m.	Intergraph Presentation – SmartPlant Materials Product News (Guido Hufer, Intergraph)
02:15 p.m.	Panel Discussions
03:00 p.m.	Break Out Session <ul style="list-style-type: none"> Groups break out by module and the groups develop a list of priority actions for Intergraph to focus on for 2014/2015
03:45 p.m.	Discussion and Consolidation of the Break Out Results (Guido Hufer and Group Leaders)
04:15 p.m.	Wrap Up



SMARTPLANT CONSTRUCTION TUF

This will be an introductory session for a SmartPlant Construction/SmartPlant Spoolgen® Technical Users Forum. The purpose is to prepare for a SPC/SmartPlant Spoolgen TUF group formation and establish a timeline for the initial launch date and future meetings. All current SPC and SmartPlant Spoolgen users are encouraged to attend and join fellow SPC and SmartPlant Spoolgen users as they meet face-to-face to exchange work process insight and experiences to help make everyone more productive.

Agenda

SmartPlant Construction/SmartPlant Spoolgen TUF – 201	
Time	Topic
10:00 a.m. – 12:00 p.m.	Introduction and Discussions
12:00 – 1:00 p.m.	Lunch

Reservations

To reserve your place at the SPC/Spoolgen TUF Meeting, please email timothy.mcdavid@intergraph.com.



Marine User Group Meeting – Monday, June 2, 2014

The Annual Offshore and Marine User Group Meeting will be held on Monday, June 2, from 1:00 to 5:15 p.m. in the MGM Grand Conference Center, Floor 3, Room 311. This year's meeting is the ideal venue for offshore and marine client presentations on projects, Intergraph product updates, and open discussions with your peers and Intergraph staff. Scheduled topics include:

- Enterprise Deployment of Intergraph Smart Yard in Malaysia.
- Intelligently Importing and Exporting Non-Intergraph 3D Models into Smart 3D.
- Interfacing and Managing Fabrication with Intergraph Smart Production.
- Introduction to GT STRUDL Offshore.
- Analyzing Marine Structures with GT STRUDL Offshore.
- Deploying and Using Smart 3D in the Cloud for FPSO Topside Design.

Lunch will be served 12:00 p.m. – 1:00 p.m. Following the presentations, we will conclude with a networking cocktail 4:30 p.m. – 5:15 p.m.

Agenda

Marine User Group Meeting – 311	
Time	Topic
12:00 p.m. – 1:00 p.m.	Casual Lunch
1:00 p.m. – 1:15 p.m.	Welcome & Introductions
1:15 p.m. – 4:30 p.m.	Customer Presentations from Asia Pacific, EMIA, and Americas
4:30 p.m. – 5:15 p.m.	Networking Cocktail Event
5:15 p.m.	Group leaves to attend keynote speech by Hexagon CEO, Mr. Ola Rollen MGM Grand Arena at 5:30 p.m.

Reservations

To reserve your place at the Offshore and Marine User Group Meeting, please email charlotte.hughes@intergraph.com.