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Discover Best-of-Breed Technologies for the Chemicals/Petrochemicals, Energy/Power, Oil & Gas and Shipbuilding Industries

**February 23-25, 2009**

HILTON AMERICAS- HOUSTON

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**NEW  
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**2009**

**The World's Leading Plant Asset Lifecycle Management Event**

# Final Conference Program

**NEW CO-LOCATED EVENT!**

## **Plant Asset Scanning Summit 2009**

3D Imaging for the Plant Asset Lifecycle

**Join leading O/Os  
at this ONCE-A-YEAR  
event, including:**

**Air Liquide, Air Products & Chemicals,  
American Electric Power, Bayer Technical  
Services, BP, Chevron, ConocoPhillips,  
NPower and Petrobras, S.A.**

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See page 6 for details.

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**NEW! Session on  
Global Financial Crisis**

**Global Collaboration · Mega Projects · Cost Management · Workforce · Interoperability**



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## daratechPLANT 2009 Gives You an Unrivaled Look into the Future of Plant Asset Lifecycle Management by the People Making it Happen

Timely, relevant presentations by the industry's best minds. Demos of emerging technologies. In-depth discussions of the hottest issues, including today's global financial crisis. Three days of networking with your peers. Plus great new features you won't want to miss, including the Plant Asset Scanning Summit. It's our biggest program ever—a must-attend event for O/Os and EPCs who want to stay on the leading edge. Walk away with new insights, intel and information on where the industry is going, what the leaders are doing and how you stack up against the competition. Plan now to attend the world's leading plant asset lifecycle management event at its new venue in the heart of the global energy industry.

### Welcome from the Chairman, daratechPLANT 2009 Advisory Board



As you review the conference program, you will see a remarkable array of technology, business issues, and innovation strategies being presented and discussed.

This conference is a reflection of the constant changes that we are experiencing and provides a unique opportunity to pause for three days to reflect, debate, and maybe dream of where we can go over the next twelve months. We are also very pleased with the number and quality of our conference sponsors, and are confident you will find it very valuable to spend some time studying the innovative, cutting-edge solutions they are delivering—and what they are planning for the future.

We look forward to seeing you in February, and providing you with a very productive 2009 conference.

Joseph Morray, Jr.  
President, Trinity Technologies Corp.

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 2009

**February 23-25, 2009**

HILTON AMERICAS-HOUSTON

» **Houston, Texas**

**NEW  
 Downtown  
 Venue  
 for 2009!**

# **PARTICIPATE** in the **ONE IT Conference** for the Plant Industry that **Covers it ALL**

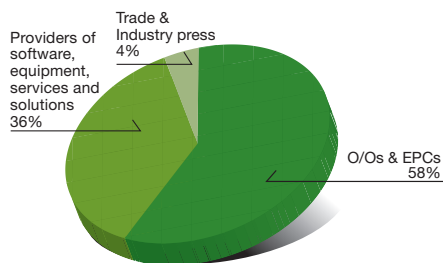
## WHO ATTENDS DARATECHPLANT?

- CIOs
- CSOs
- CTOs
- Chief Engineers

### Plus VPs, directors and managers in:

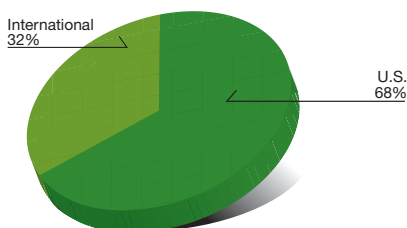
- Capital Asset Management
- Engineering
- Information Technology
- Operations
- Maintenance
- Procurement
- Project Planning

### O/Os, EPCs & IT Suppliers



\* Based on 2008 overall registrations

### A Worldwide Audience



\* Based on 2008 overall registrations

## WHY Attend daratechPLANT?

There are more reasons than ever before, including...

- » Experience our **biggest program ever** with powerful new content specifically designed for Owners/Operators.
- » Gain **unparalleled strategic insights** at the O/O and EPC roundtables.
- » Discover the best strategies for **cutting costs and maximizing ROI** in a resource-constrained world.
- » Get a **glimpse of the future** from the people that are shaping it.
- » Receive **personalized tours/demos** of emerging technologies.
- » Connect with your peers at **top-caliber receptions**.
- » Learn the latest in **3D imaging** at the new **Plant Asset Scanning Summit**.
- » Talk one-on-one with **industry leaders** and technical experts.

**Check the web site to see WHO IS COMING and the latest content, including our NEW session on the global financial crisis.**

**[www.daratechPLANT.com](http://www.daratechPLANT.com)**



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**2009**

**February 23-25, 2009**

HILTON AMERICAS-HOUSTON

» **Houston, Texas**



## WHAT'S NEW!



### Sneak peek into the industry's future

For the first time, daratechPLANT will be featuring the early and innovative research being conducted at some of North America's top universities at a unique one-hour session.



### Personalized tours of technology exhibits

Customized tours, scheduled in advance, will be offered which include presentations/demos to enable you to maximize the value of your time at daratechPLANT 2009. See page 11 for details.



### Private meetings with exhibitors and sponsors

In order to foster the most productive matchmaking environment possible, daratechPLANT 2009 will arrange private, one-on-one meetings for you with exhibitors/sponsors. See page 11 for details.



### Larger downtown Houston venue

daratechPLANT's new venue, Houston's largest convention hotel, provides a more conducive space for the growing conference, and a comfortable state-of-the-art learning environment for you. It also offers quick access to Houston's world class restaurants and entertainment.

## NEW CO-LOCATED EVENT!

# Plant Asset Scanning Summit

## 3D Imaging for the Plant Asset Lifecycle

With a focus on using the full lifecycle of noncontact imaging technology to capture and process high-resolution 3D spatial geometries, participants will walk away with practical knowledge and real world best practices to support effective technology selection and use. **For more details turn to page 10.**

## 2009 SPONSORS & EXHIBITORS

(AS OF JANUARY 16, 2009)

- 3DS Net, Incorporated
- AceCad Software Ltd.
- Advanced Software Design Inc. (ASD)
- ArTrA
- Autodesk, Inc.
- AVEVA Group plc
- Bentley Systems, Inc.
- BlueCielo ECM Solutions
- Cadmatic
- CAD Schroer
- CAXperts GmbH
- CEA Systems Inc.
- Chemical Engineering
- Cloudis Limited
- COADE, Inc.
- Collaborative Systems Group (CSG)
- Comos Industry Solutions Inc.
- CSA, Inc.
- D3 Technologies
- Dassault Systemes Americas Corp.
- ECAD, Inc.
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- PIP - Process Industry Practices
- POWER magazine
- Sharecat Solutions
- Skire, Inc.
- Sword Group
- Synergis Software
- Tech Soft 3D
- Tekla, Inc.
- Total CAD Systems
- Trimble Navigation
- VRcontext s.a./n.v.
- Z+F UK LTD

### EXHIBIT / SPONSOR INFORMATION

**Julien DuPont**

214-358-5359

juliend@tradefairgroup.com

# Conference Grid

(INFORMATION SUBJECT TO CHANGE)

## MONDAY • February 23, 2009

|                     |   |   |  |  |
|---------------------|---|---|--|--|
| 7:45 am – 8:00 am   | <b>WELCOME</b> – Joseph Morray, Jr. — President, Trinity Technologies Corp. — 2009 Advisory Board Chairman                                      |   |  |  |
| 8:00 am – 8:45 am   | <b>KEYNOTE ADDRESS: The Future Opportunities and Challenges of Nuclear Energy</b> ; Don Keuter, VP, Planning & Innovation, Entergy Nuclear Inc. |   |  |  |
| 9:00 am – 10:00 am  | <b>PLATINUM &amp; GOLD SPONSOR TWO-MINUTE LIGHTNING ROUND</b>   |   |  |  |
| 10:30 am – 11:30 am | <b>OWNER/OPERATOR ROUNDTABLE</b>  |   |  |  |
| 12:00 pm – 3:00 pm  | 12:00 pm – 1:30 pm <b>BENTLEY LUNCHEON • All Attendees Invited</b><br>1:30 pm – 3:00 pm Breakout Sessions                                       |   |  |  |
| 3:00 pm – 4:15 pm   | <b>SESSION 1</b><br>Global Design, Collaboration & Construction Practices with Modern Tools   | <b>SESSION 2</b><br>Human Resources in the Hyper Project World        | <b>PASS SESSION 1</b><br>Case Studies                | <b>WORKGROUP 1</b><br>ISO 15926 Compliance Specification           |
| 4:15 pm – 4:30 pm   | <b>BREAK</b>  |   |  |  |
| 4:30 pm – 5:45 pm   | <b>SESSION 3</b><br>Information Management Strategies   | <b>SESSION 4</b><br>Global Financial Crisis; Macro/Micro Perspectives | <b>PASS SESSION 2</b><br>Plant Scanning Technologies | <b>WORKGROUP 2</b><br>ISO 15926 Modeling: Template Factory Process |

## TUESDAY • February 24, 2009

|                     |  |  |  |  |
|---------------------|--|--|--|--|
| 7:45 am – 8:00 am   | <b>WELCOME</b> – Joseph Morray, Jr. — President, Trinity Technologies Corp. — 2009 Advisory Board Chairman               |  |  |  |
| 8:00 am – 8:45 am   | <b>KEYNOTE ADDRESS: Harnessing IT Solutions for Global Operations</b> ; Geir Ramleth, Chief Information Officer, Bechtel |  |  |  |
| 9:00 am – 10:00 am  | <b>EPC ROUNDTABLE</b>  |  |  |  |
| 10:30 am – 11:30 am | <b>GENERAL SESSION: UNIVERSITY RESEARCH UPDATE: PLANT TECHNOLOGY INNOVATIONS</b>   |  |  |  |
| 11:15 am – 3:00 pm  | 11:15 am – 12:00 pm Breakout Sessions<br>12:00 pm – 1:00 pm Luncheon<br>1:00 pm – 3:00 pm Breakout Sessions              |  |  |  |
| 3:00 pm – 4:15 pm   | <b>SESSION 5</b><br>Plant Asset Management   | <b>SESSION 6</b><br>Project Management in a Global Project World | <b>WORKGROUP 3</b><br>ISO 15926 Matrix Project #1, #2 & #3               |  |
| 4:15 pm – 4:30 pm   | <b>BREAK</b>   |  |  |  |
| 4:30 pm – 5:45 pm   | <b>SESSION 7</b><br>Interoperability Through Standardization Efforts   |  | <b>SESSION 8</b><br>Application of Modern Design Systems to Construction |  |

## WEDNESDAY • February 25, 2009

|                     |  |  |   |  |
|---------------------|--|--|---|--|
| 7:45 am – 8:00 am   | <b>WELCOME</b> – Joseph Morray, Jr. — President, Trinity Technologies Corp. — 2009 Advisory Board Chairman   |  |   |  |
| 8:00 am – 8:45 am   | <b>KEYNOTE ADDRESS: Making Information Universally Accessible</b> ; Aidan Chopra, Product Evangelist, Google |  |   |  |
| 9:00 am – 10:15 am  | <b>TECHNOLOGY MANAGEMENT ROUNDTABLE</b>  |  |   |  |
| 10:15 am – 11:00 am | <b>BREAK</b>   |  |   |  |
| 10:15 am – 11:30 am | <b>WORKGROUP 4</b> ISO 15926 Matrix Project #8   |  |   |  |
| 11:00 am – 12:15 pm | <b>WORKGROUP 5</b><br>ISO 15926 Implementation   |  | <b>WORKGROUP 6</b><br>ISO 15926 Matrix Project #6: ISO 15926 Primer |  |
| 11:00 am – 12:15 pm | <b>GENERAL SESSION: FROM SCANNING TO MODELS</b>  |  |   |  |
| 12:15 pm – 12:30 pm | <b>CONFERENCE WRAP-UP</b>  |  |   |  |

## Monday | February 23



**Save \$\$\$  
When You  
Register for  
daratechPLANT!**

**GROUP PLAN  
REBATE PROGRAM  
FOR O/OS AND EPCS:**

The program is very simple: the more people who come from your company, the more you save on registration costs. Simply register on the web site just like you would normally do—and based on the number of people that attend from your company, a rebate check will be sent to your company after the event.

For more information contact  
Jill Dean at 832-242-1969 x316  
or [jilld@tradefairgroup.com](mailto:jilld@tradefairgroup.com)



### WELCOME

» 7:45 am – 8:00 am

- Joseph P. Morray Jr., 2009 Advisory Board Chairman, President, Trinity Technologies Corporation

### KEYNOTE ADDRESS:

### The Future Opportunities and Challenges of Nuclear Energy

» 8:00 am – 8:45 am

**Dan Keuter,**  
VP, Planning & Innovation,  
Entergy Nuclear Inc.

#### Highlights:

- Entergy's strategies for expanding the nuclear generation business
- Strategies and challenges related to nuclear facilities
- Using modern information technologies for new and operating plants

### GENERAL SESSION:

### Platinum & Gold Sponsor Two-Minute Lightning Round

» 9:00 am – 10:00 am

**Moderator:** Julien DuPont, Show Director, TradeFair Group

- Mark Strassman, Vice President, Autodesk, Inc.
- Rob Glasier, Head of the Americas, Executive Vice President, AVEVA
- Greg Bentley, CEO, President & Chairman, Bentley Systems, Inc
- Representative from BlueCielo ECM Solutions
- Jukka Rantala, President, Cadmatic
- John Ward, Director, Sales & Marketing, CEA Systems Inc.
- Thomas Van Laan, PE, President/CEO, COADE
- Stephan Rohelder, CEO, Comos Industry Solutions Inc.
- Rolf Gibbels, Director, WW Industry Leader, Dassault Systèmes
- Representative from GOOGLE
- Patrick Holcomb, Executive Vice President, Global Business Development & Marketing, Intergraph
- Ola Odegard, Octaga
- Scott Lamond, Vice President, Synergis Software
- Brian Ahern, Sales Manager, Americas - Power, Process and Plant, Trimble Navigation, Ltd.

### OWNER/OPERATOR ROUNDTABLE

» 10:30am – 11:30 am

This roundtable will focus on the key issues that owners are facing in leveraging technology for their design and operations activities, and ultimately improving their business performance. Secondly, we want to explore how technology is helping to bridge the collaborative processes between owners and EPCs.

**Moderator:** Joseph P. Morray Jr., President, Trinity Technologies Corporation

- Dan Keuter, VP, Planning & Innovation, Entergy Nuclear Inc.
- Co-Panelist: John Mahoney, Leader Innovation, Entergy
- Jerry Gipson, Director of the Engineering Solutions Technology Center, The Dow Chemical Company
- Steven Fowlkes, Agbami LCIM/IT Lead, Chevron, Invited

### CONFERENCE SESSION 1:

### Global Design, Collaboration and Construction Practices with Modern Tools

» 3:00 pm – 4:15 pm

Case studies from owners and EPCs on how the new design tools are being applied to projects, both global and plant-based. Learn what best practices are emerging and how technologies are being leveraged to improve quality, cost, and speed of delivery on projects. The session will also focus on technology-enabled collaboration between the client and contractors, as well as on joint venture projects between all participating suppliers. The session will serve as a key benchmark of how project processes have advanced over the past few years.

**Moderator:** Ashish Shah, CSI-IIE, Director, Automation, Process Technology - Energy & Chemicals Group, Fluor Corporation

### Interactive 3D Technology for Facility Safety Optimization

- Paulo Oliveira de Araújo, Principal, Technical Consultant, Petrobras S.A.

### Getting it Right on Small Projects

- Robert Greenlaw, Director, Food Tec, Westfalia Separator, Inc. Co-Author:  
Stephen Dudzik, President and Co-Owner, Process Automation Concepts Ltd.

### Addressing Global Project Execution Bottlenecks from an Owner Operator Perspective

### Nuclear Capital Projects Realization

- Andrew Guard, Director IT/CAE, Shaw Power Group

### 4D in Construction - Finding the Time Dimension

- Martin Fischer, Associate Professor, CIFE Stanford University

# 2009 CONFERENCE PROGRAM

## CONFERENCE SESSION 2:

### Human Resources in the Hyper Project World

» 3:00 pm – 4:15 pm

The capital projects world continues to be constrained by the lack of qualified human resources to perform project activities. The session will identify and detail how to recruit and retain skilled resources and what we need to learn and understand from generational studies. The session will also discuss the importance of innovative technologies for tying global project staffs together to achieve a common project objective.

**Moderator:** Rebekkah Marshall, Editor-in-Chief, Chemical Engineering Magazine

#### Successes & Challenges from People to Technology in the Execution of a Global Project – Owner/Operator Perspective

- Don Zierold, Vice President and Head Project Management, Bayer Technology Services
- Co-Author: Jiang Liu, Head of Engineering Division, BTES Shanghai

#### Meeting Today's Project Challenges by Applying Knowledge-Based Solutions as Part of a Streamlined Work Process with the Right Combination of Human Resources

- Gregory Kreider, Project Director, AMEC Paragon

## CONFERENCE SESSION 3:

### Information Management Strategies

» 4:30 pm – 5:45 pm

The session will detail examples of information management strategies for the design/construction processes. The presentations will detail the structure of data and document-centric systems, the advantages of various approaches, and integration between major systems. Further, the session will discuss examples of how systems can be integrated to share multi-discipline information.

**Moderator:** Brian Sallade, COO, BlueCielo ECM Solutions

#### ISO 15926 as an Information Strategy

- Peter Staines, Manager EPC Systems, Bechtel Corporation

#### Securing Intellectual Property During Organizational Growth: the Real Benefits of PLM Technologies

- Danny Wolfe, Engineering Manager, Pressure Control Group, T3 Energy Services
- Jonathan Scott, Principal Consultant, Razorleaf

#### Synchronizing Data Sources with Your Central Workflow System

- Tom Childress, Senior Engineering Manager, Anheuser-Busch

#### Challenges of Remote Information Exchange

## CONFERENCE SESSION 4:

### Global Financial Crisis; Macro/Micro Perspectives

» 4:30 pm – 5:45 pm

The session will focus on the world financial structure turned on its head, the impact of the global credit freeze, equity evaporation, and overall uncertainty and the impact on the capital market outlook. The session will look at the overall trends, and their possible impacts, from the perspective of both owners and EPCs. The session will attempt to convey an understanding of the dependencies of project and global economics and how it will affect us on a day-to-day basis.

**Moderator:** Ron Planting, Analyst, API

Confirmed & Invited:

#### Worldwide Economic View

- Dr. James W. Duncan, Director, Market Research, ConocoPhillips Gas & Power

#### World Bank

- Representative from World Bank

#### Pricing of Commodities

#### Infrastructure

- Ed Lewis, President & Chief Executive Officer, Industrial Information Resources, Inc.

## WORKGROUP 1:

### ISO 15926 Compliance Specification

» 3:00 pm – 4:15 pm

The development of the ISO 15926 Compliance Specification will give consumers a clear understanding of the value capabilities of a specific ISO 15926 interface of an application software product. This workshop will provide the attendee with an accurate understanding of the various compliance categories associated with ISO 15926. The focus will be on both technical and business value aspects of compliance.

**Moderator:** Ian Glendinning, Senior Consultant - Information Risk Management, Det Norske Veritas

## WORKGROUP 2:

### ISO 15926 Modeling: Template Factory Process

» 4:30 pm – 5:45 pm

The ISO 15926 "Template Factory Process" are the set of methodologies that make the ISO 15926-7 (Part 7) specification which embodies the highest category of compliance with ISO 15926. This workshop will provide attendees with an understanding of the process and an explanation of how the full extent of value can be achieved with this approach. A working demonstration will be provided during the workshop.

**Moderator:** Magne Valen-Sendstad, Senior Engineer, Det Norske Veritas

# Everyone is invited.

## Bentley's Annual Celebration

Once again Bentley invites all DaratechPLANT attendees to celebrate with us.

This year it will be a luncheon on Monday, February 23, 2009 from 12:00 – 1:30 pm in the Ballroom of the Americas E&F.

And just like OpenPlant, this lunch is open to everyone, so please do join us.

## Open Minds think

# OpenPlant

 **Bentley**  
Sustaining Infrastructure

REGISTER ONLINE! [www.daratechPLANT.com](http://www.daratechPLANT.com)

## Tuesday | February 24



### WELCOME

» 7:45 am – 8:00 am

- Joseph P. Morray Jr., 2009 Advisory Board Chairman, President, Trinity Technologies Corporation

### KEYNOTE ADDRESS:

## Harnessing IT Solutions for Global Operations

» 8:00 AM – 8:45 AM

**Geir Ramleth,**  
Chief Information Officer,  
Bechtel

#### Highlights:

- Creating a global project system through modern IT applications
- Leveraging technology investments to improve effectiveness of delivery, cost competitiveness, and value added to the owners
- Utilizing Web 2.0 and learning from companies like Google, Amazon, YouTube, and Salesforce.com
- Lessons learned in IT-enabled collaboration

### EPC ROUNDTABLE

» 9:00 am – 10:00 am

In this era of massive capital project spending, how are EPCs leveraging their technology investments to improve effectiveness of delivery, cost competitiveness, and value added to the owners?

**Moderator:** Joseph P. Morray Jr., President, Trinity Technologies Corporation

- Maurice Tayeh, CIO, Technip
- Geir Ramleth, CIO, Bechtel
- Raju Hingorani, Vice President, IT-Operations, Services, Jacobs
- Hannu Hakkarainen, CIO, Skanska
- James W. Sabin, Vice President & CIO, Information Technology Division, The Shaw Group Inc.

### GENERAL SESSION:

## University Research Update: Plant Technology Innovations

» 10:30 am – 11:15 am

A review of research programs being conducted by some of our major universities related to plant automation. Learn what is coming in new tools for design, visualization, information management, and collaboration.

**Moderator:** Dr. Jorge Vanegas, Director of the Center for Housing and Urban Development, Texas A&M University, Invited

### CONFERENCE SESSION 5:

## Plant Asset Management

» 3:00 pm – 4:15 pm

One of the more significant developments in the plant information asset world is the usage, and associated case studies, for delivering information created during design to the operations and maintenance activities in an efficient and fit-for-purpose manner. The session will review how information can be migrated to asset management and work order systems, provide easy turnover of as-operating configurations, and generally close the gap between design/construction and operations. Further, the session will show how data-centric models can be applied during operations.

### Business Cases for Utilizing 3D Models in Operations & Maintenance

#### Easy-to-Use, Cost-Effective Access to Asset Information

- Irvine Gilbert, Inspection Management Director, NPower  
Co-Author: Peter Moyes, Managing Director, ArtrA Ltd

### Creating an Engineering Information Hub in E&P Operations

- Andy Till, Doc and Data Solutions Lead, BP  
Co-Author: David Adam, Major Projects Lead, BP

### Physical Asset Management Best Practices – Beyond the Power of the Workforce

- Chad Broussard, CMRP, National Maintenance and Reliability Programs Engineer, Air Liquide  
Co-Author: Terrence O'Hanlon, Publisher, Uptime Magazine

### CONFERENCE SESSION 6:

## Project Management in a Global Project World

» 3:00 pm – 4:15 pm

As projects become more complex, the need to implement and utilize advanced project management systems has come to the forefront. Owners and EPCs will describe areas such as scheduling, construction management, procurement, and vendor management and how they are being affected on a global basis using these systems. The session will also cover project metrics and progress review in a data-centric framework.

**Moderator:** Michael E. DeLoach, Manager, Generation Information Technology Planning, American Electric Power

### Global Mega Project Execution in BRIC Regions with Dispersed Teams

- Ashish Shah, CSI-IE, Director, Automation, Process Technology - Energy & Chemicals Group, Fluor Corporation  
Co-Authors:  
Roger Leaphart, Project Manager, Fluor Corporation  
Ryan Ouderkerk, Project Engineer, Fluor Corporation

### Integration of Information and Tools: Where are the Gaps?

- Dr. Ulrich Löwen, Department Head Systems Engineering, Siemens AG  
Co-Authors:  
Kristian Dencovski, Consultant, Siemens AG, Corporate Technology Erlangen Germany  
Thomas Wagner, Consultant, Siemens AG, Corporate Technology Erlangen Germany

### Innovative Management of Multiple Small Projects

- Chris Haigler, Lead Project and Design Engineer, ChevronPhillips Chemical Company  
Co-Author: Paul Williams, Vice President, Pathfinder, LLC

### CONFERENCE SESSION 7:

## Interoperability through Standardization Efforts

» 4:30 pm – 5:45 pm

In the critical pursuit of interoperability, we have seen substantial advances in the definition and application of data standards, and in particular, ISO 15926. The session will provide insights into the standards that are being applied on real turnover projects and the benefits that are being measured today. Leaders from FIATECH, EPCs, and owners will describe in detail what is the status of interoperability on projects. This is a must-attend session for those that are interested in understanding what interoperability has been achieved and example projects that have been completed using the ISO 15926 standards.

**Moderator:** Dr. Richard H.F. Jackson, Director, FIATECH

### How to Leverage the True Value of ISO 15926 in Open Applications

## Wednesday | February 25

### ISO 15926 – Realizing Open Information Interoperability

- Robin Benjamins, CET Engineering Automation Manager, Bechtel Corporation

### Major Projects Deploying ISO 15926 Using XMpLant Technology

- Wan Hassan Wan Mamat, General Manager, Petronas Carigali
- Co-Author: Adrian Laud, Managing Director, Noumenon Consulting Ltd.

#### CONFERENCE SESSION 8:

### Application of Modern Design Systems to Construction

» 4:30 pm – 5:45 pm

The session will examine how engineering information applications are being used for construction applications, including schedule management, estimating, and site delivery. Presentations will include examples of how major companies are using modern systems for these applications.

**Moderator:** Pepi Edlinger, VP for Engineering and Business Development, ASD Global

### Taking the Electrical World to the Field

- James T. Earley, Sr. Vice President, Project Operations, URS Corporation, Washington Division

### Applying New Information Technologies to the Construction Arena

- Jimmy D. Williams, Vice President & Chief Engineer, Zachry Engineering Corporation

#### WORKGROUP 3:

### ISO 15926 Matrix Project #1, #2 & #3

» 3:00 pm – 4:15 pm

The Matrix Project #1, #2, & #3 has been chartered to develop and extend the ISO 15926 Reference Data and develop an ISO 15926 compliant data exchange specific to the needs of exchanging intelligent P&ID information, intelligent 3D model information and exchange between P&ID and 3D models. The goal of this workgroup will be to discuss details and benefits of the project deliverables.

**Moderator:** Andrew McBrien, Product Manager, Aspen Basic Engineering, Aspen Technology, Inc.

### WELCOME

» 7:45 am – 8:00 am

- Joseph P. Morray Jr., 2009 Advisory Board Chairman, President, Trinity Technologies Corporation

### KEYNOTE ADDRESS:

### Making Information Universally Accessible

» 8:00 am – 8:45 am

**Aidan Chopra,**  
Product Evangelist,  
Google

#### Highlights:

- How will ideas like real-time collaboration, cloud computing and mobile access to information affect the way we deal with our 3D data?
- What are some of the challenges involved in working with 3D information, and how might they be overcome?
- What is Google doing in the 3D and geospatial arena, and what might be coming next?

### TECHNOLOGY MANAGEMENT ROUNDTABLE

» 9:00 am – 10:15 am

A comprehensive view of the directions and challenges our technology companies face. Executives from each of the major technology sponsors will present and debate their positions and differentiation in the industry.

**Moderator:** Dr. Jorge Vanegas, Director of the Center for Housing and Urban Development, Texas A&M University, Invited

- Keshav Sahoo, Director of Engineering, Autodesk, Inc.
- Rob Glasier, Head of the Americas, Executive Vice President, AVEVA
- Ken Adamson, Vice President Plant Product Management, Bentley Systems Inc.
- Erik Vanderlaan, CEO, CEA Systems, Inc.
- Michael Weller, CTO, Comos Industry Solutions Inc.
- Jacques Leveille-Nizerolle, CEO, CATIA Brand, Dassault Systemes Americas Corp.
- Representative from Intergraph
- Xin Chen, Director of Research and Development, Trimble

### GENERAL SESSION:

### From Scanning to Models

» 11:00 am – 12:15 pm

The session will focus on examples and best practices related to converting point cloud and/or photogrammetric information into 3D design models. The session will explore what is the level of granularity and "intelligence" that is required to effectively interface with design systems and maximize the benefits to the design processes.

**Moderator:** Geoff Jacobs, Sr. Vice President, Strategic Marketing, Leica Geosystems HDS

### Conversion of Point Cloud Data to PanoMap - Demonstrate the use of PanoMap's Photorealistic 3D Representation to Support Nuclear Plant Life Cycle Applications: First Energy - Beaver Valley Nuclear Plant

- Ann Marie Ryan, Project Manager, FirstEnergy Corporation
- Co-Author: Amadeus Burger, President, CSA

### Transforming Best Practices with 3D Virtual Models

- Kevyn Renner, Senior Technology Consultant, Control & Information Systems, Chevron Global Manufacturing
- Co-Author: Costantino Lanza, CEO, INOVx Solutions

### Beyond Design: Using Scanning for Structural Analysis

#### WORKGROUP 4:

### ISO 15926 Matrix Project #8

» 10:15 am – 11:30 am

The Matrix Project #8 has been chartered to demonstrate the use of RDS/WIP, ISO 15926 Template methodology, and deliver a set of prototype implementations tools that are based on the "Template Factory Process concepts". During the workgroup session we will discuss the benefits of the project and review the project deliverables.

**Moderator:** Robin Benjamins, CET Engineering Automation Manager, Bechtel

#### WORKGROUP 5:

### ISO 15926 Implementation

» 11:00 am – 12:15 pm

This workshop will demonstrate the use of live RDS/WIP with a software implementation based on the highest category of ISO 15926 compliance. The attendees will be able to understand the implementation details which include validation, transformation, and interfacing with legacy or existing software applications.

**Moderator:** Julian Bourne, Member, NRX Global

#### WORKGROUP 6:

### ISO 15926 Matrix Project #6: ISO 15926 Primer

» 11:00 am – 12:15 pm

Using the ISO 15926 Primer to Develop a Business Case. Before an organization is willing to commit resources to implement ISO 15926, often, non-technical business managers will have to understand what it is. This workshop will introduce the ISO 15926 Primer and show how it can be used to develop a business case. Participants will be able to share their particular situations.

**Moderator:** Gord Rachar, Manager of Virtual Plant Design, SNC Lavalin



# Plant Asset Scanning Summit

## 3D Imaging for the Plant Asset Lifecycle

The Plant Asset Scanning Summit (PASS) will co-locate with the daratechPLANT 2009 Conference & Exhibition in downtown Houston, the heart of the Global Energy Industry.

Whether you use or sell 3D imaging technology for retrofit design, analysis, construction, maintenance or inspection, this is the event you can't miss! With a focus on using the full lifecycle of noncontact imaging technology to capture and process high-resolution 3D spatial geometries, participants will walk away with practical knowledge and real world best practices to support effective technology selection and use.

What makes the Summit different is that it covers the full lifecycle of the imaging process, from survey, capture, analysis, and delivering to three-dimensional models for practical applications. Drawing on daratechPLANT's extensive experience as the premier technology showcase, the Summit will give you the most comprehensive view of scanning technology applications.

### MONDAY February 23, 2009

#### PASS09 SESSION 1:

#### Case Studies

» 3:00 pm – 4:15 pm

Case studies and advanced application examples of in-situ scanning for projects and operational activities. The session will highlight the diversity of areas for which capture has been applied.

#### PASS09 SESSION 2:

#### Plant Scanning Technologies

» 4:30 pm – 5:45 pm

Briefings on the newest technologies being applied for plant scanning and highlighting combining positional devices for effective data acquisition.

### WEDNESDAY February 25, 2009

#### GENERAL SESSION:

#### From Scanning to Models

» 11:00 am – 12:15 pm

The session will focus on examples and best practices related to converting point cloud and/or photogrammetric information into 3D design models. The session will explore what is the level of granularity and "intelligence" that is required to effectively interface with design systems and maximize the benefits to the design processes.

**Moderator:** Geoff Jacobs, Sr. Vice President, Strategic Marketing, Leica Geosystems HDS

#### Conversion of Point Cloud Data to PanoMap - Demonstrate the use of PanoMap's Photorealistic 3D Representation to Support Nuclear Plant Life Cycle Applications: First Energy - Beaver Valley Nuclear Plant

- Ann Marie Ryan, Project Manager, FirstEnergy Corporation  
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#### Beyond Design: Using Scanning for Structural Analysis



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**2009**

**February 23-25, 2009**

HILTON AMERICAS-HOUSTON

» **Houston, Texas**



## Private Meetings with Technology Vendors

In order to enhance your daratechPLANT experience, we have added a new feature to the 2009 program...Private Meetings with Technology Vendors. **These meetings are designed to provide you an exclusive, one-on-one forum to talk candidly with the technology vendor of your choice in a comfortable, private setting.** Discuss your needs. Share your objectives. Get answers to your specific questions. Private meetings can be arranged with any vendor exhibiting at daratechPLANT. A special online system will enable you to confirm your meeting in advance (you will receive information when you register for daratechPLANT or if you have already registered you will receive an e-mail with instructions about how to schedule a meeting). **Visit [www.daratechPLANT.com](http://www.daratechPLANT.com) to schedule your meeting(s).**

## Technology Tours

For the first time at daratechPLANT, you can register for Escorted Tours of Platinum Sponsors' booths. **Limited to 20 people, these Tours will provide you with 20-minute semi-personal briefings of emerging technologies plus the opportunity to benefit from the group Q&A environment and gain valuable insights from your peers.** These Tours will also enable you to configure your agenda in advance to maximize the value of your time at the event. You can still visit any sponsor/exhibitor on your own but these Tours provide you one more way to connect with leading technology suppliers that will be exhibiting at the event. **Advance registration is required.** Tours will be scheduled based on registration. E-mails will be sent to registered attendees prior to the event with more information on Tour scheduling.



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Autodesk Inc. is the world leader in 2D and 3D design software for the plant, engineering, manufacturing, building, and construction markets. Since its introduction of AutoCAD software in 1982, Autodesk has developed the broadest portfolio of state-of-the-art digital prototyping solutions to help customers experience their ideas before they are real. Fortune 1000 companies rely on Autodesk for the tools to visualize, simulate, and analyze real-world performance early in the design process to save time and money, enhance quality, and foster innovation.

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AVEVA Group plc is one of the world's foremost and fastest-growing lifecycle engineering IT solutions and services providers to the oil and gas, paper and pulp, power, chemical, pharmaceutical, and shipbuilding industries. The group's history of innovation spans five decades and has produced many of today's major engineering IT technologies. Serving over 1,500 clients, AVEVA has a leading position in many market sectors both on and offshore.

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### Bentley System Inc.

Bentley Systems Inc. provides software for the lifecycle of the world's infrastructure. The company's comprehensive portfolio for the building, plant, civil, and geospatial verticals spans architecture, engineering, construction (AEC), and operations. With revenues now surpassing \$400 million annually, and more than 2,400 colleagues globally, Bentley is the leading provider of AEC software to the Engineering News-Record Top Design Firms and major owner/operators. It was named the world's No. 2 provider of GIS/geospatial software solutions in a Daratech research study.

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CEA Systems Inc. is an innovative plant engineering design and documentation software company enabling process plant owner/operators and EPCs to increase efficiency and profitability. Designed by engineers for engineers, CEA's Plant-4D is a flexible solution based on open data, object-oriented technology that enables data sharing and interaction between all disciplines. It provides a work process foundation for integration, interoperability, and collaboration across the entire engineering design, construction, and plant operation lifecycle. Easy to learn and implement, users can seamlessly view, share, change, and control design, plant, equipment, process, and operations information regardless of CAD platform or database. For over 20 years, CEA has successfully provided solutions globally to customers in the process and power industries, offering a complete set of integrated products that can be configured to meet individual needs.

[www.cea-int.com](http://www.cea-int.com)



### Comos Industry Solutions Inc.

Comos Industry Solutions Inc. – a Siemens Business, is an international vendor of digital engineering software and services designed to satisfy the demands of the Process Industries. The Comos® solution provides a platform for companies to implement optimized Integrated Engineering & Integrated Operations strategies. With comprehensive object-oriented Engineering Asset Information Management capabilities, Comos® enables industrial plant designers, constructors as well as owner/operators to standardize engineering processes across the plant asset lifecycle. Comos® addresses the challenges normally associated with the strategic management of asset data, from process engineering, conceptual planning, systems and controls design & automation, asset management/maintenance, as well as document and project management, so completely that the traditional data handover events are reduced in time and effort. The Comos® philosophy, products, services and staff have long been trusted by plant designers, operators and contractors around the globe.

[www.comossolutions.com](http://www.comossolutions.com)

### Dassault Systèmes

As a world leader in 3D and Product Lifecycle Management (PLM) solutions, Dassault Systèmes (DS) brings value to more than 100,000 customers in 80 countries. A pioneer in the 3D software market since 1981, DS develops and markets PLM application software and services that support industrial processes and provide a 3D vision of the entire lifecycle of products from conception to maintenance to recycling. Our solutions for the energy and process industry seamlessly cover end-to-end processes for the conception, definition, construction, commissioning, operation, and maintenance of equipment, facilities, and assets. The Dassault Systèmes portfolio consists of CATIA for designing the virtual product; SolidWorks for 3D mechanical design; DELMIA for virtual production; SIMULIA for virtual testing; ENOVIA for global collaborative lifecycle management; and 3DVIA for online 3D lifelike experiences.

[www.3ds.com/energy-process](http://www.3ds.com/energy-process)



### Intergraph

Intergraph Process, Power & Marine is the world's leading provider of enterprise engineering software for the design, construction, and operation of plants, ships, and offshore facilities. Engineering, procurement, and construction firms and owner operators around the world rely on Intergraph software to increase productivity and provide for safe and clean operations. With a tradition of technical innovation, industry expertise, superior software, and market share leadership, Intergraph provides its customers the future of engineering—today.

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Trimble is a leading provider of advanced positioning solutions that maximize productivity and enhance profitability. In addition to providing advanced GPS components, Trimble's vision and focus is to provide comprehensive data collection and management solutions to the power, process and plant, and shipbuilding markets is moving the industry forward. Trimble combines the best in-class hardware and software technologies that provide complete solutions for capturing "existing conditions" data in both 2D and 3D. Its integrated solutions allow customers to collect, manage, and analyze complex information faster and easier, making them more productive, efficient, and profitable. Founded in 1978 and headquartered in Sunnyvale, Calif., Trimble has more than 3,400 employees in more than 18 countries worldwide.

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**COADE, Inc.**

For over 24 years, COADE, Inc. has been a provider of software for multiple plant design and engineering disciplines. COADE's aims are that design and engineering should share relevant information seamlessly, thereby maintaining accuracy and improving efficiency. COADE's product line conforms to those goals and includes: CAESAR II, the world's most widely used pipe stress analysis software; PV Elite for pressure vessel and heat exchanger design and analysis; CADWorx Plant Design Suite for intelligent plant design modeling, process schematics and automatic production of plant design deliverables; and TANK for the design and analysis of oil storage tanks. COADE believes this focus delivers solutions that are easy to use, accurate, and reliable, and gives companies the surest way to attract new clients, secure repeat business, and therefore grow and sustain profitability. [www.coade.com](http://www.coade.com)



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**Cadmatic**

Cadmatic is a leading Scandinavian developer of intelligent 3D plant design software solutions for practical design and engineering. Our customer base consists of plant owners, EPC contractors, shipyards, and design and engineering consultants. Cadmatic software users work in various industry areas around the world, and about 4,500 applications have been delivered to over 40 countries worldwide. Open, flexible, and easy-to-use, the Cadmatic software solution improves clients' design and engineering processes throughout the entire lifecycle of plant investments. The engineering data is easily accessible and the workflow, including modern possibilities for globally distributed design and engineering projects, is transparent. Cadmatic values close customer relationships, and our success is based on combining long-term, innovative software development and the best plant design practices. [www.cadmatic.com](http://www.cadmatic.com)



**Google**

Google SketchUp Pro is an intuitive 3D drawing program for visualization, communication, and presentation. From facility design to complicated assemblies, SketchUp Pro gives you tools to visualize in 3D, providing clarity and credibility to your project ideas. [sketchup.google.com](http://sketchup.google.com)



**Octaga**

Octaga AS creates world-class, real-time 3D viewing software and produces outstanding interactive 3D content. The core product Octaga Player is rated as one of the best 3D-viewers available, with one million users worldwide. Octaga is focused on being cross platform and compliant to ISO standards. Octaga's products are being used for training, maintenance, planning, presentation, and simulation in markets like oil and gas, and architecture, engineering and construction (AEC). Octaga has customers such as Shell, StatoilHydro, FMC, and Siemens. Recently, Octaga won a major contract to deliver the Octaga Enterprise Suite to Shell's Ormen Lange subsea oil and gas field, including its onshore processing plant and subsea installations. Octaga is constantly pushing for photorealism and to improve users' interactive 3D experience. Octaga is based in Oslo, Norway, and was established as a spinoff company from Telenor R&D in 2001. In 2007 Octaga was listed on the Gaselle list, (Dun and Bradstreet) for continuous growth and profitability. [www.octaga.com](http://www.octaga.com)

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### ATTENDING INFORMATION

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- » Fax completed registration form to (+1) 832-242-1971 or mail it to: 11000 Richmond Ave., Suite 500, Houston, Texas
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