SOCIETY OF PIPING ENGINEERS AND DESIGNERS

SPECIAL POINTS OF INTEREST:

- SPED 2009 Annual General Business Meeting and Corporate Member Showcase, November 17th, Omni Westside, Houston, TX

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SPED Update October 2009

VOLUME 2, ISSUE 10 OCTOBER 2009

Make Plans for this Year's Annual General Business Meeting

Once each year, SPED holds their Annual General Business Meeting. The stated purpose is to elect the SPED Board of Directors and other matters before the membership. Over the years, the AGBM has changed from a rather straightforward meeting with a speaker to an extraordinary source of career information and networking opportunity.

SPED members catch up on the latest news on piping.

Last year, for example, SPED rolled out the Corporate Member Showcase. The CMS was the first collective chance for SPED Corporate Members to talk one-on-one with piping designers about the market.

This year, we will have a special panel to clarify what the market is up to. We have picked panelists to represent all sectors in contact with the industry:

Industry Panel

Manufacturing – Durga Agrawal, President, Piping Technology and Products
Software - Paul Spring, Technology, Vice President, AVEVA
Recruiting - Debby Jones, Owner, Southwest Design Services
EPC – Isreal, "Izzy" Perez, Director of Business Development, Aramapex Corporation

This has to give the best possible overview of the economic situation and how it impacts you personally.

Remember, this is YOUR society. All this has been set up to benefit you. Please take time out to attend, give your input and see old friends.

SPED Jack Belden (right), SNC-LAVALIN and SPED President, talks with Bob Belden (left), SNC-LAVALIN.

Tickets are available online for purchase at **www.spedweb.com**.

Members: $25
Corporate Members: $15 (Minimum Purchase of 10)
Students: $10 (Student ID Required)
Non-Members: $35

Need more information? Call the SPED Office at 832-286-3404.

Bill Beazley, SPED Executive Director

2009 Sponsors:

AVEVA

COADE

E-CAD

IAI

Intergraph

PT&P

SWDS

Corporate Members Provide over $5000 in Door Prizes to SPED 2009 Annual General Business Meeting

First we would like to thank all of our sponsors for this year's event and special thanks to IAI, Platinum Sponsor, and Piping Technologies and Products, Gold Sponsor. Our event would not be possible without the financial sponsorship of our CMS sponsors: AVEVA, COADE, E-CAD, IAI, Intergraph, PT&P, and Southwest Design Services (SWDS).

SPED is very pleased to announce that its Corporate Members have donated over $5000 in Door Prizes for the 2009 Annual General Business Meeting and Corporate Member Showcase. COADE will be donating two software licenses valued at $2000. IAI and SPED will be donating two online classes, one Process Plant Layout and one Piper BootCamp with application and testing for PPD Certification. AVEVA is donating an IPOD, an especially fun gift for the upcoming holidays.

If you are one of those pipers that is unemployed you should not miss this chance for free software, training or that gift under the tree. Need a free ticket to the event? Ask a corporate sponsor of the CMS, but act fast. Their supply is very limited. Also, save time this year and register online at the SPED website.

Tickets are available online for purchase at **www.spedweb.com**.

Members: $25
Corporate Members: $15 (Minimum Purchase of 10)
Students: $10 (Student ID Required)
Non-Members: $35

COADE will be giving two Software Licenses of either:
1 X 50 run CEASAR II
1 X 2 month lease of PV Elite
1 X 2 month lease of CADWorx Plant Professional
1 X CADWorx P&ID – Unlimited run

SPED BOARD OF DIRECTORS AND STAFF	
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Sarah Evans, SPED Staff	Creative Services

Society of Piping Engineers and Designers

Annual General Business Meeting

and

CORPORATE MEMBER SHOWCASE

Tuesday, November 17, 2009, 6 P.M. - 9 P.M.
at the Omni Houston Hotel at Westside
13210 Katy Freeway, Houston, Texas

Bringing Pipers and Industry Together

This year's Annual Meeting and Showcase is loaded with opportunities:

- Hear a panel of Industry Experts in Software, Placement, EPC, and Fabrication talk about the future of their segment in the Piping Industry, and answer your questions.
- Visit with Corporate Showcase Members and view their products and services.
- Network with key members in the Piping Industry.

Professional Members	$25
Student Members	$10
Corporate Members*	$15
Non-Members	$35

**Minimum purchase 10 tickets*

Purchase online at www.spedweb.com

SOCIETY OF PIPING ENGINEERS AND DESIGNERS
SPED

POWER Engineers Becomes Charter Member of SPED PPD 100% Club

(Houston, TX, October 13, 2009) Longtime SPED Corporate Member POWER Engineers, Inc., of Hailey, ID has become a Charter Member of the SPED PPD 100% Club.

The SPED Professional Piping Designer (PPD) 100% Club is a special group of SPED Corporate Members who pledge to have all their Piping Designers PPD Certified within one year of joining. Charter members of the PPD 100% Club are those who have pledged since board approval of the program in September and its formal rollout at the SPED Annual General Business Meeting and Corporate Member Showcase, November 17, 2009. POWER Engineers, a consulting engineering firm specializing in energy, facilities, communications, and environmental services, will begin implementation with their Generation Mechanical offices in Boise and Hailey, ID.

POWER Engineers has been training and testing its piping designers for the last three years using the SPED training videos and proctored exams at local colleges. "We are committed to the idea of trained and documented skills working on client projects," says Steve Husler, Engineering Manager at POWER Engineers, Inc. "The SPED PPD program has been a useful resource for 3rd party staff credentialing. When the SPED PPD 100% Club was announced we were already there."

Members of the SPED PPD 100% Club pledge to:

- Obtain 100% PPD Certification of current pipers within one year of joining the program.
- Require new hires achieve PPD Certification within one year of employment.
- Permit SPED to visit HR to spot check rosters against PPD Certification Lists.

PPD 100% Club members can display the Club logo on all documents and websites pertaining to the listed corporate entities. There is no added cost for Corporate Members to belong, other that testing, application and proctoring fees.

"SPED welcomes this pledge by POWER Engineers, to the PPD 100% Club," said Jack Belden, SPED President. "They have already shown a strong commitment to Piping Designer professional development and the PPD program. We recognize this added step endorsing this industry-wide initiative."

POWER Engineers has scheduled another proctored PPD exam in December. This exam, proctored by the College of Western Idaho (formerly the Larry G. Selland College of Applied Technology of Boise State University), will be the fourth for POWER Engineers. The exams given are online from SPED's official test data.

POWER Engineers is a consulting engineering firm specializing in energy, facilities, communications, and environmental services. Founded in 1976, POWER Engineers is an employee-owned company with offices throughout the United States and abroad. POWER Engineers uses the latest technological advances to provide their clients with the best in design engineering, procurement, and construction documents. POWER utilizes Intergraph Plant Design System (PDS) software along with other software applications as needed to develop a comprehensive 3D model and linked relational database or 2D design for each project. Using these practices they create an information warehouse from which a wide array of documents are extracted developing the best packages for the owner and constructor. POWER Engineers has been ranked 17th on Engineering News Record's "Top 25 in Power Firms" list.
See: http://www.powereng.com/.

For more information about SPED, consult: www.spedweb.com.

"SPED welcomes this pledge by POWER Engineers, to the PPD 100% Club," said Jack Belden, SPED President. "They have already shown a strong commitment to Piping Designer professional development and the PPD program."

Take the Pledge!

100% CLUB

SPED Professional Piping Designer

Join the SPED PPD 100% Club

SPED PPD 100% Club members pledge that 100% of their Piping Designers will become certified as Professional Piping Designers (PPD). Documenting staff credentials are simple:

- 100% of current Piping Designers get PPD Certified within one year of joining the program.
- New hires become PPD Certified within one year of employment.

Once you sign up and become a member of the PPD 100% Club, you can display the Club logo.

The PPD 100% is exclusively for SPED Corporate Members. SPED supports PPD 100% Club Members by providing the following:

- A copy of the PPD Review Video to help Piping Designers prepare for PPD exams.
- On-Call testing at the SPED office. (Fees apply.)
- Onsite testing review with 20 or more participants. (Fees apply.)
- Assistance to members in applying for State Funds to defray training and testing costs.

The PPD 100% Club Benefits EPC Employers, Clients and Piping Designers!

For more information, go to www.spedweb.com, or call Andrea Macejak at 832-286-3404.

SOCIETY OF PIPING ENGINEERS AND DESIGNERS

SPED

AVEVA Partners with ECE Design as North American Reseller of AVEVA Instrumentation

"The combination of ECE Design and the latest release of AVEVA Instrumentation is guaranteed to help our customers increase efficiency by streamlining production", said Bill Vasey, President of ECE Design.

HOUSTON, America: (September 16, 2009) AVEVA Group plc (LSE:AVV), the leading provider of plant design and engineering lifecycle solutions, announced today that it has partnered with ECE Design as the North American reseller of AVEVA Instrumentation. The latest release of this product, AVEVA Instrumentation 12.0, will now be sold as a stand-alone product through ECE Design and also as part of the AVEVA Integrated Portfolio for both EPC Contractors and Owner Operators.

"We're excited to partner with ECE Design as our North American reseller of AVEVA Instrumentation, a next generation instrumentation management solution," said Ron McLeod, Vice President of Sales, AVEVA. "We're confident that our customers will continue to benefit from its complete lifecycle solution that's been enhanced with this latest release."

The AVEVA Instrumentation software suite handles all instrumentation needs on a project, as well as managing instrumentation needs well after the completion of a project. In addition to the ease-of-use data interchange, and agility of the IT infrastructure, this powerful tool requires minimal training hours compared to similar products on the market. The software suite includes three integrated modules:

- **Instrument Engineer** manages tasks typically handled during a project lifecycle, including instrument index data entry and reports. This module also includes process data import/entry, which can be linked to user defined datasheets and Microsoft Excel import/export functionality.
- **Instrument Designer** manages all tasks typically handled by an instrument designer including CAD drawing creation, drawing list management, updating of revisions and printing of CAD files for loop diagrams, termination diagrams and hookups (installation details) with bills of materials. This module automates the drafting process and is normally only used by a designer.
- **Wiring Manager** handles all tasks typically carried out by an instrument designer related to detail cable, wiring and termination design. This includes definition of equipment terminal arrangements (field devices, junction boxes, marshalling cabinet and panel devices such as relays, IS barriers & I/O modules), cable creation and termination, cross-patch/internal wiring, generation of cable schedules and cable, cable gland and cable gland adapter bills of materials and creation of cable block diagrams (without requiring CAD).

"The combination of ECE Design and the latest release of AVEVA Instrumentation is guaranteed to help our customers increase efficiency by streamlining production", said Bill Vasey, President of ECE Design. "We're pleased to add AVEVA Instrumentation to our product offering to the benefit of our customers."

An important addition to the AVEVA Plant portfolio, AVEVA Instrumentation is a feature-rich suite of integrated applications for the efficient specification, design and maintenance of all instrumentation and control systems on a project.

AVEVA Instrumentation software suite creates and manages instrumentation design data and documentation including instrument datasheets, loop drawings, termination diagrams, hookup drawings, I/O lists, instrument index, cable schedules, bills of materials, and other reports.

To learn more and see a demo of AVEVA Instrumentation, please visit www.aveva.com/instrumentation.

Media Contacts:
Jennifer Lozier
Head of Marketing for AVEVA Americas
AVEVA Inc.
Tel: (832) 204-5597
Jennifer.Lozier@aveva.com

AVEVA is trusted around the world to deliver engineering IT solutions with strategic value to leading companies in the plant and marine industries. For further information please visit www.aveva.com or www.aveva.com/ednotes

ECE Design, the North American Reseller of AVEVA Instrumentation, is trusted throughout the US and Canada to deliver software engineering solutions that leverage companies' existing infrastructure to improve overall productivity. For further information please visit www.ecedesign.com/

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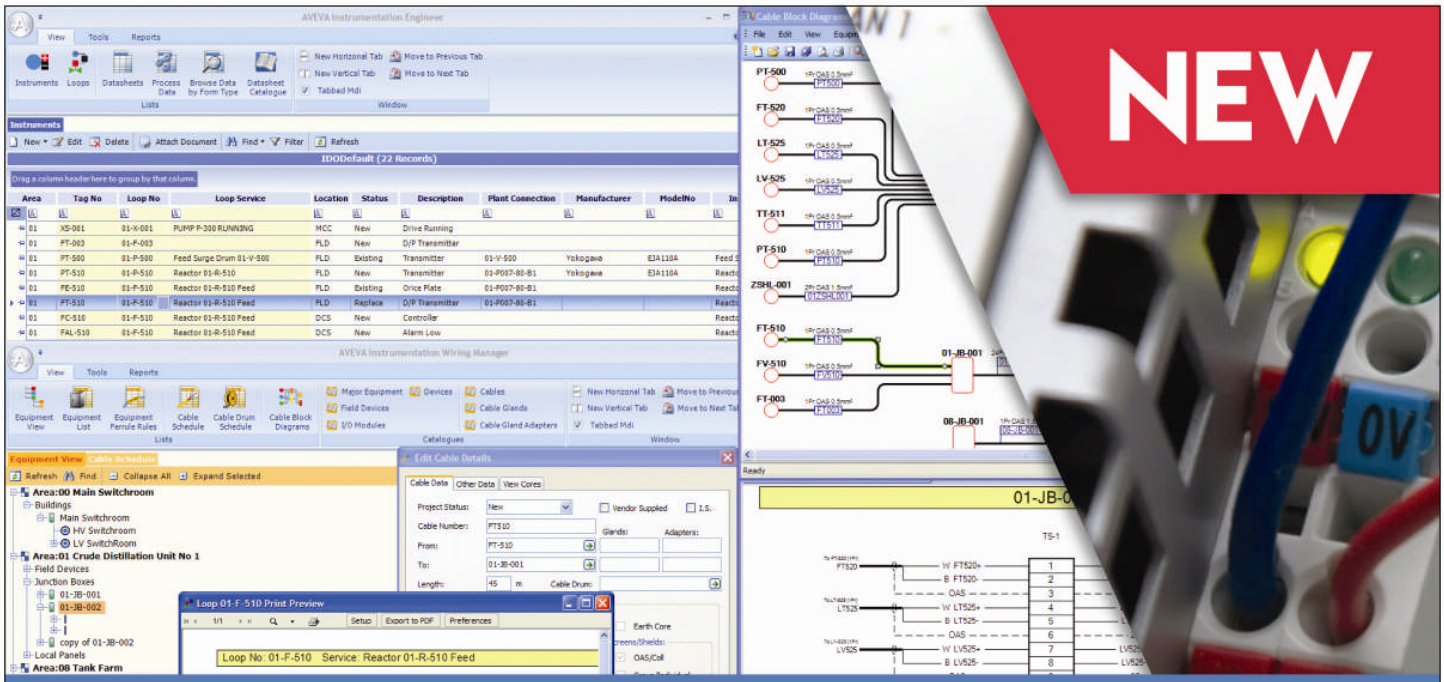


FINALLY – a real choice for Instrumentation...

Now you can more easily design and maintain your instrumentation data with

AVEVA Instrumentation

Are you in control of your instrumentation data?

Most 'smart' instrumentation systems cannot dynamically handle the continual changes to instrumentation in process facilities.

That's why you need a solution that enables validation of data — without costly third-party services — and is productive, easy to use and dependable at every stage of the project lifecycle.

Comprehensive...

- A complete integrated suite of modules handle every aspect of instrumentation and wiring specification, design and installation.

Productive...

- Unique drag and drop interface for the fastest and most intuitive block wiring design.

Powerful...

- Consistent information supports all tasks.
- Automatic validation eliminates sources of errors.
- Security features ensure reliable data.

Adaptable...

- Easily configurable to your business, your workflow, your standards.

One demonstration will convince you!

For more information about AVEVA Instrumentation and events at which you can see it for yourself, visit **www.aveva.com** or contact: **sales.us@aveva.com**

AVEVA
CONTINUAL PROGRESSION

AVEVA Inc
10350 Richmond Avenue
Suite 400
Houston, Texas 77042

Tel +1 713 977 1225
sales.us@aveva.com
www.aveva.com

Industry News Snapshots

Contractors Listed:

Acergy

Aker Solutions

CB&I

Jacobs

KBR

Mustang

Subsea

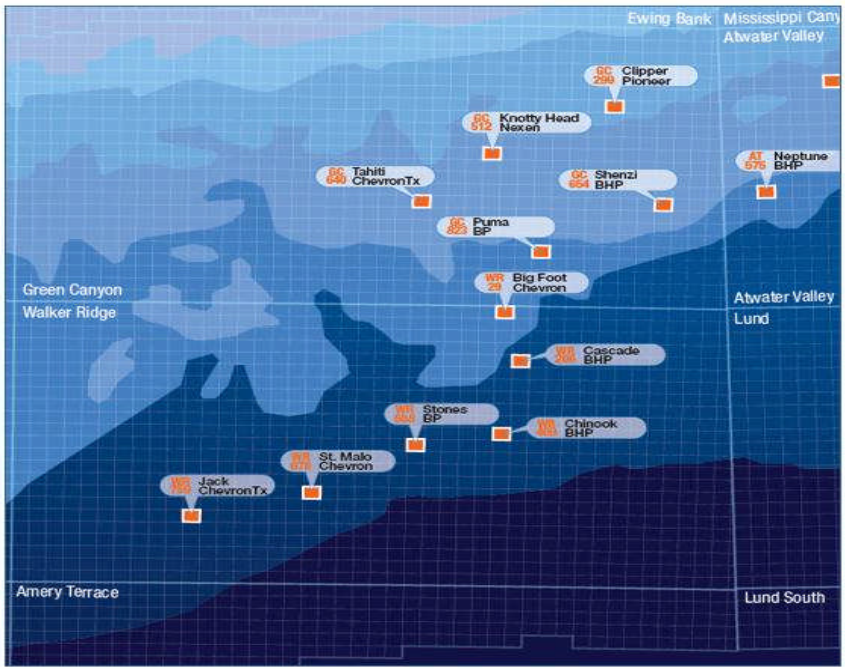
Technip

Total

Wood Group

Source RIGZONE: http://www.rigzone.com/news/article.asp?a_id=81573&rss=true

Devon Sees Oil Majors as Main Bidders on GOM



October 20, 2009 Lost Pines, Texas (Dow Jones) The top executive of independent oil and gas producer Devon Energy Corp. said Monday that the sale of stakes in some of its Gulf of Mexico assets will be complete next year and that the major oil companies are likely to be the main bidders. The company's showroom has received a "robust" interest from international and national oil companies, Devon Chief Executive Larry Nichols said in a meeting with journalists.

Source Contractors Unlimited: http://www.contractorsunlimited.co.uk/news-int1.shtml

CB&I Awarded Contract for Diesel Hydrotreater Project at Pernis Refinery in The Netherlands

October 8, 2009 CB&I awarded contract valued in excess of US$60 million by Royal Dutch Shell for the engineering, procurement and construction of a diesel hydrotreater at the Pernis Refinery in Rotterdam.

Wood Group GTS wins GE LMS100 Operation & Maintenance Contract for Greenfield Panoche Energy Centre in California

October 8, 2009 Wood Group GTS awarded US$6 million operation & maintenance contract by Energy Investors Funds for the Greenfield Panoche Energy Centre 400 MW Power Project in western Fresno County, California. Panoche Energy Center is a simple-cycle, natural-gas fired generating station that comprises four General Electric LMS100 gas turbine generators addressing the need for peaking energy in the San Francisco Bay and Fresno load center.

Total to Develop the Timimoun Gas Project in Algeria

October 7, 2009 Total (37.75%), Sonatrach (51%) and Cepsa (11.25%) today announce that the Algerian National Oil and Gas Development Agency (ALNAFT) has approved the development plan for the Timimoun natural gas project, located between Timimoun and Adrar in southwestern Algeria. Total, Sonatrach and Cepsa will jointly operate the Timimoun project.

Aker Solutions Signs EPCM Services Contract for Minera Chinalco Peru, SA Toromocho Project

October 6, 2009 Aker Solutions awarded detailed engineering, procurement, and construction management services on the Toromocho Project for Minera Chinalco Peru S.A. Resources and expertise from the Aker Solutions offices in Tucson, Arizona, USA; Santiago, Chile; Lima, Peru; and Shanghai / Beijing, China, will be involved in delivering this project.

Total Signs Heads of Agreement with KazMunaiGas to Develop the Khvalynskoye Field
October 6, 2009 Total signs Heads of Agreement establishing the principles of a partnership with KazMunaiGas for the development of the Khvalynskoye field, located offshore in the Caspian Sea on the border between Kazakhstan and Russia. Khvalynskoye is a conventional gas condensate field located in water depths of 25 metres which will be developed by Lukoil (50%, operator). The gas produced from this field will be transported to Russia.

Wood Group GTS Wins GE LM2500 Gas Turbine Accessories Contract
October 6, 2009 Wood Group GTS awarded multi-year gas turbine accessories contract worth approximately $10 million by the US Navy, Naval Inventory Control Point (NAVICP) Mechanicsburg, Pennsylvania. Under the contract, Wood Group GTS will be responsible for the provision of repairs to various GE LM2500 gas turbines accessories, including butterfly valves, solenoid valves and air starters.

SapuraAcergy Joint Venture Awarded Contract Offshore Australia
October 2, 2009 Acergy awarded contract valued at approximately $170 million to SapuraAcergy Sdn Bhd by Apache Energy Limited for Devil Creek Development Project (DCDP) offshore Australia. The DCDP has been initiated to recover and process the gas reserves from the Reindeer Gas Field located 80km northwest of the port of Dampier in 60m water depth.

CB&I Awarded Second EPC Contract for Crude Oil Terminal Expansion Project in Panama
October 1, 2009 CB&I awarded contract in excess of US$100 million by Petroterminal de Panama, S.A. to engineer, procure and construct the Phase 2 expansion of the Trans-Panama Pipeline facilities.

Gorgon Project MEG Contract Awarded to Aker Solutions
October 1, 2009 Aker Solutions' contract with Chevron Australia extended to include the delivery of a monoethylene glycol (MEG) system to the Gorgon project located on the Australian North West shelf. The total contract value for Aker Solutions is approximate NOK 300 million.

CB&I Awarded Gorgon LNG Tank Contract
September 30, 2009 CB&I awarded contract valued at approximately US$550 million by Chevron Australia Pty Ltd for LNG and condensate storage tanks at the Gorgon LNG liquefaction project on Barrow Island in Australia. CB&I's scope of work includes the engineering, procurement, fabrication and construction of two 180,000 cubic meter full containment LNG tanks, four condensate tanks and the associated piping, electrical, instrumentation and civil works.

Aker Solutions Awarded FEED Contract for Upgrading of Gullfaks A Drilling Facilities
September 30, 2009 StatoilHydro awards Aker Solutions front end engineering design (FEED) study for upgrading the Gullfaks A drilling facilities. The drilling upgrade is expected to extend the productive lifetime of Gullfaks A. FEED Study will be performed by the Aker Solutions' drilling equipment business hub in Kristiansand together with the company's centre of maintenance and modification expertise based in Bergen. The contract party is Aker Solutions' subsidiary Aker Offshore Partner AS.

Wood Group Pressure Control Wellheads Chosen by PEMEX for Onshore Fields
September 29, 2009 Wood Group Pressure Control awarded contract valued at US$11.2 million by Petróleos Mexicanos to provide 125 wellheads and Christmas trees for onshore oil & gas fields in Southern Mexico. The wellheads will be manufactured in WGPC's Monterrey, Mexico facility, an American Petroleum Institute 6A accredited facility.

Jacobs Receives Contract From Borouge for Polymer Plant in Abu Dhabi
September 29, 2009 Jacobs Engineering receives contract from Abu Dhabi Polymers Company (Borouge) to develop front-end engineering and design for a section of the "Borouge 3" project, a grassroots polypropylene / polyethylene facility in Abu Dhabi in the United Arab Emirates. Jacobs will execute the work from its office in Stenungsund, Sweden.

KBR Awarded FEED Contract by Saudi Aramco for Shaybah NGL Program
September 28, 2009 KBR awarded contract by the Saudi Arabian Oil Company (Saudi Aramco) to provide front-end engineering and design and Project Management Services for its Shaybah Natural Gas Liquids Program at Shaybah field located in Saudi Arabia.

Subsea 7 Awarded Major Subsea Pipeline and Installation Services Contract by Santos
September 25, 2009 Subsea 7 awarded major subsea pipeline and installation services contract from Santos Limited at the Casino-Henry field, offshore Victoria, Australia. Project management and engineering work will commence immediately and performed at Subsea 7's offices in Singapore.

Technip Awarded Subsea Contract for Isabela Development in the Gulf of Mexico
September 25, 2009 Technip awarded lump sum contract by BP Exploration and Production Company for the Isabela project in the
Continued page 10

Industry News Snapshots

Contractors Listed:

Acergy

Aker Solutions

CB&I

Jacobs

KBR

Mustang

Subsea

Technip

Total

Wood Group

Source Contractors Unlimited: http://www.contractorsunlimited.co.uk/news-int1.shtml

Gulf of Mexico. The project is a subsea tie-back to the Na Kika semi-submersible platform located in Mississippi Canyon, 140 miles (225 kilometers) offshore New Orleans, Louisiana. Technip's operating centre in Houston, Texas will execute this contract.

Aker Solutions Signs Contract with BP America
September 23, 2009 Aker Solutions signs contract with BP America Inc. to perform subsea construction activities at the operator's Atlantis and Thunder Horse fields in the Gulf of Mexico. Scope of work comprises planning and executing the installation of subsea hardware including manifolds, PLEMs (pipeline-end manifolds), jumpers, flying leads and related equipment.

Technip Awarded Contract for Oselvar Field Development in Norway
September 23, 2009 Technip awarded by DONG E&P Norge AS an engineering, procurement, construction and installation lump sum contract, worth in excess of Euro 45 million, for the Oselvar field development. It will be executed by the Group's operating center in Oslo, Norway.

Wood Group to Provide Offshore Services and Follow-on Engineering to StatoilHydro's Peregrino Project
September 22, 2009 Wood Group Engineering & Production Facilities Brasil ("Wood Group Brasil") selected by StatoilHydro to provide operations, maintenance and modification services for the two Peregrino wellhead platforms. Project will be managed by Wood Group Brasil's existing management team, and more than 50 local workers will be hired for operations, maintenance, engineering and other positions.

Acergy S.A. Awarded $110 million Contract Offshore Angola
September 22, 2009 Acergy S.A. awarded Block 17/18 GEP Phase 2 Project contract valued at approximately $110 million from Total E&P Angola and BP Angola (Block 18) B.V. for installation of over 70km of 24" pipeline from Block 2, together with the associated jumper, PLET and tie-ins, to the Nearshore / Onshore pipeline

Aker Solutions Awarded Contract for Sulphur Burning Acid Plant in Mexico
September 21, 2009 Aker Solutions signs contract with Stingray Copper Inc. for new 750 million tonnes per day sulphur burning acid plant for the El Pilar Copper Project in Mexico. Aker Solutions will provide full basic engineering and project development support for the new acid plant, sulphur receiving, and associated power generation complex.

KBR Awarded Clean Coal Contract by Beijing Guoneng Yinghui Clean Energy Engineering
September 18, 2009 KBR awarded contract by Beijing Guoneng Yinghui Clean Energy Engineering Co., Ltd. (Beijing Guoneng) to provide licensing, engineering services and proprietary equipment for implementation of KBR's and Southern Company's Transport Integrated Gasification technology (TRIG(TM)) at a Dongguan IGCC Power Plant in Guandong Province, People's Republic of China.

KBR Awarded Contract by Hindustan Petroleum Corporation at Mumbai Refinery
September 17, 2009 KBR awarded contract by Hindustan Petroleum Corporation, to provide license and engineering services and proprietary equipment for augmenting capacity of existing de-asphalting unit in its Mumbai Refinery in India. KBR will perform a revamp on an existing propane de-asphalting unit (PDA) using its proprietary ROSE® technology and state-of-the-art ROSEMAX(TM) internals to achieve the key objective of improving refinery margins.

Mustang Announces New Global Automation Agreement with Chevron
September 17, 2009 Mustang selected as main automation contractor for Chevron's Global Upstream business units in an agreement signed recently between Chevron U.S.A. Inc. and Mustang. Mustang will provide front-end engineering design, detailed engineering, procurement, programming and integration for monitoring, process control, safety and management systems at Chevron's new and existing upstream offshore and onshore oil and gas facilities.

NEW! SPED Online Courses

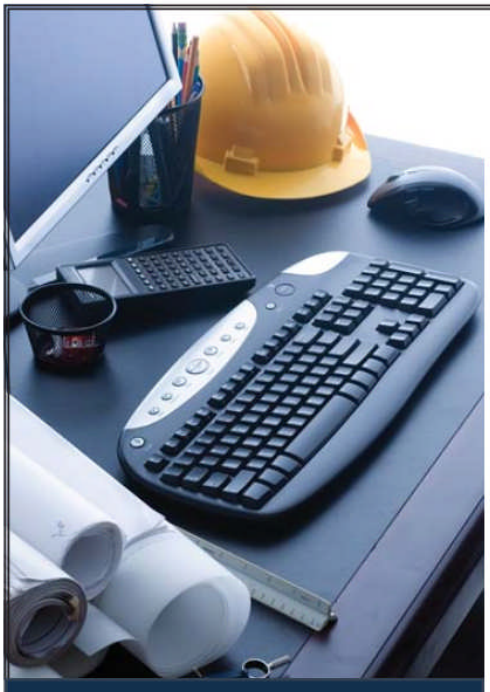
Society of Piping Engineers and Designers is now offering the following online courses:

- **PPD Piper BootCamp**
  Ends in Level I Exam: Testing and Textbook Included
- **Process Plant Layout and Piping Design**
  Ends in Level III Exam: Testing and Textbook Included

SESSION VI '09
October 26th - January 1st
Register early and get $100 off
Offer ends October 16, 2009

SESSION VII '09
November 23rd - January 29th
Register early and get $100 off
Offer ends November 13, 2009

Register online at www.spedweb.com or call 832.286.3404
Contact spedadmin@spedweb.com with any questions.



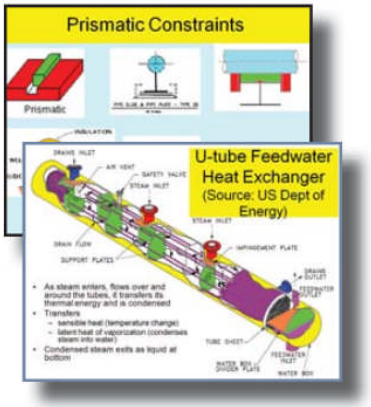
THE SPED PIPER VIDEO SERIES IS YOUR ANSWER.

"It's the Piper's resource for Information and Just-in-Time Training."

PIPER BOOTCAMP covers equipment and fittings necessary for routing pipeline from nozzle to rack to nozzle.

PROCESS PLANT LAYOUT covers knowledge and skills required for plant equipment and layout. Targets pipers already familiar with in-line pipe routing.

Version I contains original video recordings of live presentations by industry leaders.
Version II contains newly recorded videos with additional topics, and extended notes.



Designed for the new Piper and as a useful resource for experienced Pipers, the SPED Piper Video Series is considered the Industry Standard for piping training.

New project? Staffing issues?

For more information, call 832.286.3404 or email videos@spedweb.com

COADE Conference Successfully Mixes Product and Technology Information

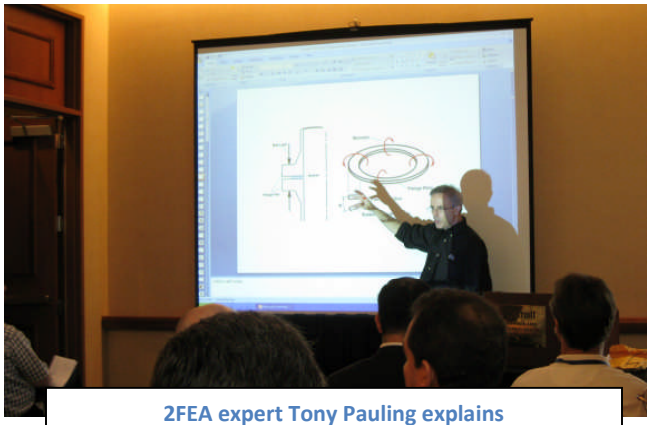
COADE seems to project the attitude, through their technical program, that their on-going relationship with customers requires not just use of their tools but designing educational opportunities that fully develop the engineering designer and analyst.

The 2009 COADE User Conference produced an unusually high quality blend of product news and technology updates that was beneficial to all who attended. COADE's products span plant design, pipe stress analysis and pressure vessel design. Conference planners went beyond the usual product tips with a selection of industry experts offering tutorials and updates on underlying codes, standards, and supporting research. The conference was held at the Marriott Woodlands Waterway Hotel, and utilized nearly all available rooms.

1 COADE President Tom Van Laan demonstrate CAESAR II support of integrated process plant design

COADE is among the few firms where top management has actually performed the engineering functions supported by its products. For example, company President Tom Van Laan had practiced and written about pipe stress analysis before his ascension to the top job at COADE. He likes to personally demonstrate the latest features of their flagship product, CAESARII.

The conference itself was packed with such industry giants as Chuck Becht, Ramsey Mahadeen, Urey Miller and Tony Paulin. These industry experts offered surprising tutorial overviews and updates on the major ASME and international standards that apply to piping and vessel design. There were excellent application presentations from leading edge practitioners such as Bob Robleto of KBR who is applying CAESARII to FPSO's that are subjected to storm winds, sea states, wave cyclic loading and process thermal expansion. Analysts struggling with client designs all over the world attended the presentations and asked many questions.



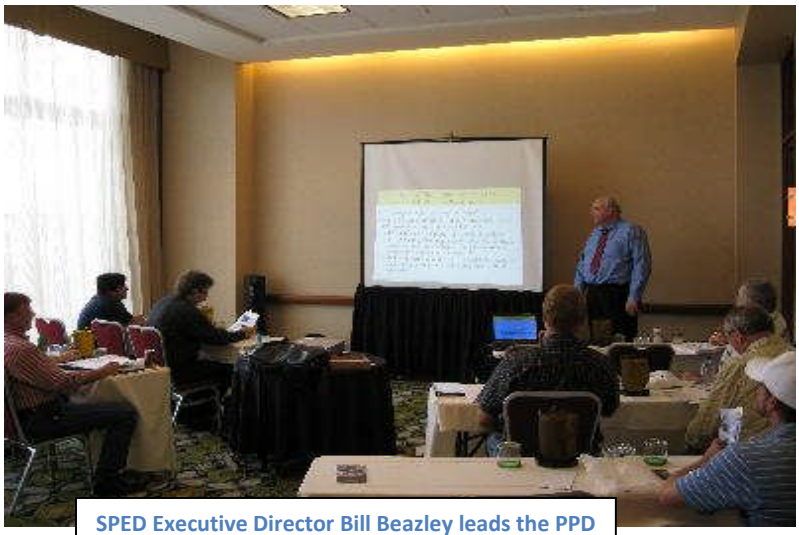
2FEA expert Tony Pauling explains flange design flexibility issues

COADE seems to project the attitude, through their technical program, that their on-going relationship with customers requires not just use of their tools, but designing educational opportunities that fully develop the engineering designer and analyst. This approach offers more than, "How you can use our tools better," but, "How can you be a better analyst?" This is critical in these high value-added professional areas where academic courses are too general, and informed practice within a CAE tool is the primary goal.

In short, COADE's conference emphasis on understanding engineering first made their conference a highly useful and practical expenditure in today's tight budget environment. For more information on their program, consult: http://www.coadeuserconference.com/2009/coade.html.

SPED Certification Review and Exam at COADE Conference a Big Success

SPED PPD Certification Review and Exam at the recent 2009 COADE User Conference was a success, with 12 candidates completing and passing the Exam. SPED offered the review and certification exam at the conference to make certification more convenient to conference attendees. Recent graduates of SPED's online training also attended the event to take their final exam.



SPED Executive Director Bill Beazley leads the PPD

SPED offered the review and exam to COADE management at the completion of COADE's 2008 CADWorx Conference last year. Conference planners placed the one day class at the beginning of their conference. SPED candidates also received a discount on the cost of the conference as an incentive to extend their stay.

During the registration process, however, it became clear that many attending the COADE User Conference were highly experience piping engineers and designers. Their experience made the PPD Level III Certification the appropriate level of certification for conference attendees. "Due to their demand for testing at the COADE User Conference," says Andrea Macejak, SPED Manager of Operations, "we added an option for PPD Level III Exam with an online review."

The final group taking the examinations included four candidates taking the PPD Level I Exam, and eight candidates taking the PPD Level III. All passed with high scores.

Two applicants, Daniel Cleveland (III) and Anton Dooley (IV), had completed their paperwork in advance of the test and were awarded their PPD Certification at the conference.

Candidates take their PPD Level I and Level

For more information, contact:
Amy Voss-Foster
Educational Resource Specialist
Society of Piping Engineers and Designers
832-286-3404 Office
spedadmin@spedweb.com

PPD Certification Levels

Level I—BASIC
Level II—Advanced
Level III—Senior
Level IV—Lead

5th Piping Engineers INSEP Class Completes Piping Project Training and Passes SPED PPD Level I Exam

"The INSEP program enhances their generalized University Engineering Degrees with application skills needed on the job," says Tan Beng Teong, Executive Director of SHRDC. "Applied training adds more high productivity years to their careers and helps our partners compete."

KUALA LUMPUR, MALAYSIA (September 20, 2009). The 5th SHRDC INSEP Piping Engineering training class has completed the Piping Project phase of their training and passed the SPED Professional Piping Designer (PPD) Level I Certification Exam. INSEP, or Industrial Skills Enhancement Program, organized by the Selangor Human Resource Development Center (SHRDC), is a training and development program aimed at producing competent graduate engineers. The INSEP program is funded by the Federal Government of Malaysia and participating industrial sponsors. Passing the training and exam qualifies them for the second, on-the-job phase of their training at Technip Geoproduction (M) Sdn. Bhd., based in Kuala Lumpur, who helped develop the Piping Engineering INSEP training program. This class brings to 87 the Mechanical and Chemical Engineers trained under the INSEP program.

SPED (Society of Piping Engineers and Designers) offers four levels of PPD Certification. Level I PPD Certification is considered a demonstration that holder has the basic knowledge needed to correctly route process pipe.

The Selangor Human Resources Development Center (SHRDC) and Technip developed the Piping Engineering INSEP program in 2005 in response to the growing shortage of qualified Piping Design Engineers. "The INSEP program enhances their generalized University Engineering Degrees with application skills needed on the job," says Tan Beng Teong, Executive Director of SHRDC. "Applied training adds more high productivity years to their careers and helps our partners compete."

Students are carefully screened by the class sponsor and SHRDC. Once accepted, they are given an intensive program of training in two general phases. Phase one is training at SHRDC in a variety of professional skills culminating in a specially designed Piping Engineering class. Then the students take the exam for the internationally recognized SPED PPD Certification and present their results to the class sponsor. In phase two, the class sponsor extends the training through their own program of topics and projects tailored to their current lines of business. Upon completion of phase two, students are expected to work at the sponsor and advance in their careers.

This class marked new levels of accomplishments in the program. In just five weeks, the new Mechanical and Chemical Engineering graduates:

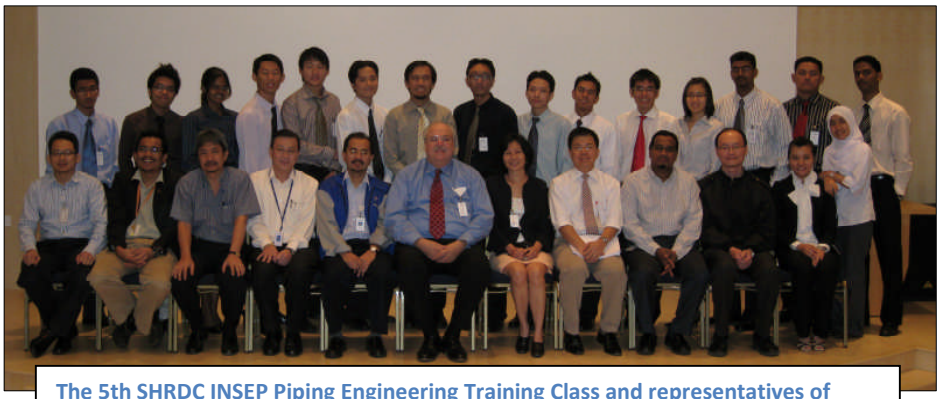
- Reviewed the total lifecycle of plant design;
- Drafted four pure Autodesk AutoCAD drawings;
- Routed pipe in COADE CADWorx;
- Performed a pipe stress analysis in COADE CAESAR II;
- Modeled a vessel in COADE PVElite analyzed it and exported it to CADWorx;
- Designed a small plant from P&ID through vessels, piping and (one) Fab ISO;
  Passed the SPED PPD Level I Exam.

"These carefully selected and prepared Malaysian students performed at world class levels," said Dr. William G. Beazley, SPED Executive Director. "The PPD Level I exam scores were among the highest yet achieved." Candidates for the program were screened and interviewed by Technip and received a customized series of essential courses before the piping training.
(Continued pg 13)

Since 2005, 87 engineers have enrolled in the program:

Year Students Class Sponsor(s)
2005 13 Technip
2006 20 Technip, MMHE
2007 20 MMHE
2008 17 Technip
2009 17 Technip

Selangor Human Resource Development Center (SHRDC), is a training and development facility aimed at applied skills training for the Malaysian manufacturing and technical services sector. SHRDC Contact: Woo May May, www.shrdc.org.my.



The 5th SHRDC INSEP Piping Engineering Training Class and representatives of Technip Geoproduction (M) Sdn. Bhd., Class Sponsor.

Technip Geoproduction Malaysia is a leading oil and gas engineering organization and provider of technology solutions and turnkey contracting expertise in 3 business segments: Subsea, Offshore and Onshore. They are involved in the design, engineering, procurement, construction and installation of offshore deepwater, subsea and shallow field facilities and onshore in downstream oil refining, gas processing, LNG, ethylene / petrochemical plants, as well as in selected non-hydrocarbons such as life sciences, chemicals and biofuels / biodiesel.

The Society of Piping Engineers and Designers is an international organization dedicated the advancement of the piping profession. The society offers a four level Professional Piping Designer Program and a variety of other professional development programs. SPED contact: William G. Beazley, Executive Director, US 832-286-3404, www.spedweb.com.

E-CAD Releases New Ribbons for CADWorx

Midland, TX (October 5, 2009) - ECAD is proud to announce the release of the new ECAD Ribbons for COADE CADWorx. This is our second ribbons release and with it is a full scale roll out. These ribbons were created to address several needs and have been listed out by Dave Wolfe, ECAD Process and Power Specialist.

- Move the CADWorx toolbars to the ribbon. The tabs labeled "CADWorx" contain the CADWorx toolbars that were converted to panels.
- Include the latest 2010 features.
- Have ribbon tabs that follow workflow. The tabs labeled "ECAD" are arranged with panels to accommodate design workflow.
- Make all of the commands on the CADWorx menus accessible. Every option from the CADWorx menu is accessible through the ECAD panels. We also included some commands from the Readme.htm files, if we thought they should be used often. (Does anyone want to type ISOGENSTARTPT every time?)

Microsoft Expression Design was used to create the majority of the images. We could not be more satisfied with the end result. Click links below to view ribbon images...
Plant Ribbon
P&ID Ribbon

For more information on anything you've seen featured, please choose from an option below...
CADWorxRibbons.htm Overview
PDO Team from ECAD, Inc.
Contact ECAD, Inc.

About ECAD
ECAD, Inc. is the largest Autodesk Reseller headquartered in the state of Texas, with offices in Dallas, Houston, Midland, and El Paso, TX, also Tulsa, Oklahoma, Baton Rouge, LA, New Orleans, LA, and Mobile, AL. Our locations allow us to cover an area that includes all of Texas and Oklahoma as well as parts of Louisiana, Arkansas, Missouri, Kansas, New Mexico, Arizona, Mississippi, Alabama and Florida. We offer a complete line of Autodesk based engineering design software complemented by training, support and services. ECAD began operations in 1987 as a 2 man operation and has grown to include 10 offices in Texas, Oklahoma, Louisiana, and Alabama. For the past 15 years, our mission has been to provide an integrated solution including hardware, software, and professional services at a fair price. ECAD is a woman-owned Texas corporation.

SPED Calendar of Events, October 2009-March 2010

Dates & Time	Day(s)	Location	Cost	Membership
PDS I **Fall 2009 TBA**		TBA	$1195	SPED Members Only
PPD Piper BootCamp Online **Starting October 26th—January1st** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By October 16th
PPD Process Plant Layout Online **Starting October 26th—January 1st** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By October 16th
VMA Value Basics Seminars & Exhibition **October 29, 8:00am—6:00pm** **http://vma.yourmembership.com/?ValveBasics**	TH	Sheraton Houston Brookhollow Hotel Houston, TX	$275 $150 $75	Full Day Registration Both Seminars Half Day Registration One Seminar Exhibit Hall Only
PECOM 2009 **November 17-19, 2009** **http://www.oilonline.com/events/petroleum-exhibition-conference-of-mexico/**	T-TH	Parque Tabasco Villahermosa, Tabasco Mexico	$75	Attendee/Conference Delegate
2009 SPED Annual General Business Meeting and Corporate Member Showcase **November 17, 2009, 6-9 pm** **http://www.spedweb.com**	T	Omni Hotel Westside Houston, TX	$35 $25 $15 $10	Non-Member Member Corporate Member 10 or more Student w/ID
PPD Piper BootCamp Online **Starting November 23rd—January 29th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By November 13th
PPD Process Plant Layout Online **Starting November 23rd—January 29th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By November 13th
AVEVA Open House Event **December 16, 2009, 4-7pm** **http://www.aveva.com/products_services_events.php?id=228**	W	AVEVA Houston, TX	FREE	RSVP AVEVA Website
SPAR 2010 **February 8-10, 2010** **http://www.sparllc.com/spar2010.php**	M-W	Woodlands Waterway Marriott Hotel Houston, TX	TBA	Registration via SPAR POINT Website
DIGITAL PLANT 2010 (daratechPLANT) **March 1-3, 2010** **http://www.daratechplant.com/**	M-W	Hilton Americas Houston, TX	TBA	Registration via Digital Plant Website
FIATECH Technology Conference and Showcase **March 29-31 2010** **http://fiatech.org/2010.html**		Austin, TX	TBA	Registration via FIATECH Website

SPED Training Calendar, October-December 2009

Dates & Time	Day(s)	Location	Cost	Membership
FIATECH Tech Tuesday Webinar Series **Tuesdays, Weekly 11:00 ET** **http://fiatech.org/tech-connections/techtuesday.html**	T	Online	FREE	Register at info@fiatech.org
PDS I **Fall 2009 TBA**		TBA	$1195	SPED Members Only
PPD Piper BootCamp Online **Starting October 26th—January 1st** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By October 16th
PPD Process Plant Layout Online **Starting October 26th—January 1st** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By October 16th
AVEVA Webinar: AVEVA Diagrams 12.0 **November 4, 11:30 CDT** **http://www.aveva.com/products_services_events.php**	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
COADE Webinar: CADWORX 2010 Piper Support Module **November 5, 12 pm CST** **http://coade.typepad.com/cadworx/webinar_future/index.html**	TH	Online	FREE	Registration Required via COADE PPD Certification PDU Acceptance
Piping Technologies & Products: Shock Control, Restraint and Support Devices **November 5, 9am & 2pm CST** **www.pipingtech.com**	TH	Online	FREE	Registration Required via PT&P PPD Certification PDU Acceptance
AVEVA Webinar: AVEVA Net Solutions **November 18, 11:30 CDT** **http://www.aveva.com/products_services_events.php**	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance
PPD Piper BootCamp Online **Starting November 23rd—January 29th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By November 13th
PPD Process Plant Layout Online **Starting November 23rd—January 29th** **Early Registration Discount**		Online	$1500 $1400	SPED Members Only Registration By November 13th
AVEVA Webinar: AVEVA Instrumentation 12.0 **December 9, 11:30 CDT** **http://www.aveva.com/products_services_events.php**	W	Online	FREE	Registration Required via AVEVA PPD Certification PDU Acceptance