

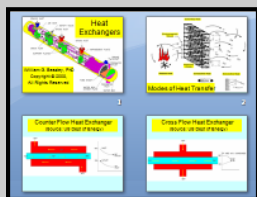


**SPECIAL
POINTS OF
INTEREST:**

- **Process Plant Layout Course—**
FALL 08, Bechtel
- **PDS II Class—**
Bechtel, Oct 7th
- **NEW SPED Piper Video Courses**
- **Hot Topics, Oct 9th, HESS Club**

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**Sample Notes from the NEW
SPED Piper Video Series.
Information on page 2.**

SPED Update September 2008

WWW.SPEDWEB.COM

SEPTEMBER 2008

Society of Piping Engineers and Designers and Houston Community College

Complete Training of 150 Piping Designers

AUSTIN July 4, 2008 – The Society of Piping Engineers and Designers and Houston Community College has completed training of 150 piping designers in the Gulf Coast area. The training was funded by a \$426,727 job-training grant from the Skills Development Fund that the Texas Workforce Commission (TWC) administers.

The grant was used to prepare and upgrade the skills of 150 piping designers and drafters. Upon completion of training, workers will receive an average hourly wage of \$22.07.



TWC Chair and Commissioner Diane Rath (center) presents a \$426,727 SDF Grant check to (from left) Northeast College President Dr. Margaret Ford, Houston Community College Division of Extended Learning Vice Chancellor Dr. Daniel Seymour, state Rep. Gary Elkins and SPED President, Jack Belden. (HCC photo)

Training was guided by a consortium of 14 industry partners that locally employ piper designers. "The industry partners shaped the content of the training and the profile of the trainee," said, Sterling Foote, HCCS Grant Director. "Without their support, this grant could not have been successful." The fourteen partners were ABB Lummus (CBI), Aker Kvaerner, Bechtel, Demar, Ltd., Dow Chemical, Foster Wheeler, Gulf Interstate Engineering, J. Ray McDermott, Inc., Mustang Engineering, SBM IMODCO, SNC-Lavalin GDS, Technip USA Inc., Universal Ensco, Inc., and WorleyParsons Group, Inc.

The training was designed to extend, programs provided by local community colleges and provide schools. "We used the HCC Process Technology Labs to build deep knowledge about how equipment operated and HCC CAD labs to create industrial level designs using state of the art CAD software," said William G. Beazley, SPED Executive Director. "After the lectures, labs and tests, students were certified as Level I SPED Professional Piping Designers (PPD)." The SPED PPD program is an internationally recognized program that certified piping design skills to four levels.

In Fiscal Year (FY) 2007, Skills Development Fund grants created or upgraded 20,831 jobs, which paid an average hourly wage of \$19.04. Employers seeking more information about the Skills Development Fund may visit the TWC Web site at <http://www.twc.state.tx.us/svcs/funds/sdfintro.html>.

Houston Community College contact: Sterling Foote at (713) 718-7546 or sterling.foote@hccs.edu



AP Program Piping Designers receive special instruction in an HCCS Process Technology Lab on Process Equipment used in the plants they design.

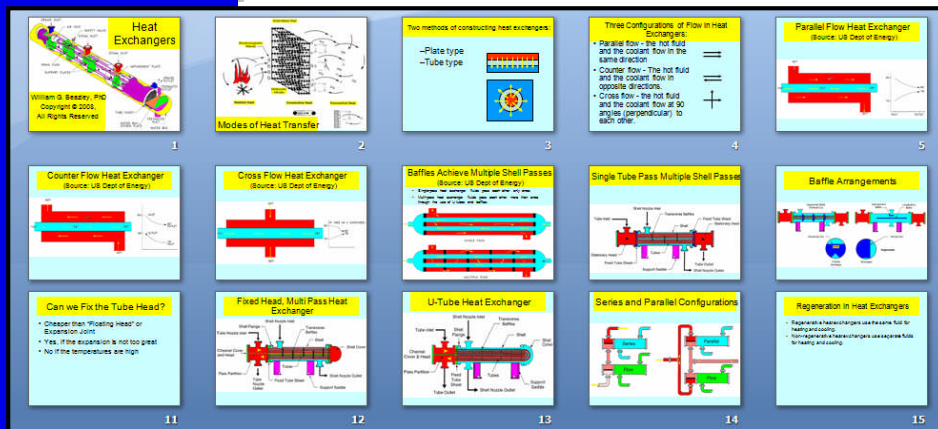
The Society of Piping Engineers and Designers is a professional society dedicated to advancing process piping design and engineering. For details on SPED and the services it offers in unison with its network of local workforce development boards, call 832-286-3404 or visit. <http://www.spedweb.com>

SPED Announces New Piper Video Series

Houston, TX 08 Sept 2008

SPED has announced the new **SPED Piper Video Series** designed to increase Piping Design skills to industry levels. The SPED Piper Video Series are sold as two levels of training:

- 1) **Piper BootCamp** which covers in-line pipe routing and
- 2) **Process Plant Layout** which covers placement of major equipment within the facility.



Notes from the New SPED Piper Video Series

“Designed for the new Piper and a useful resource for experienced Pipers.”

SPED training videos are used world-wide as training aides for new piping designers and knowledge refreshers for practicing piping designers. **SPED's Piper Video Series** is considered the Industry Standard and used by International and Fortune 500 companies.

Getting Project Ready

SPED's Piper Video Series covers 29 Critical Topics needed for the most demanding projects in the Global Market Place. Designed for the new Piper and a useful resource for experienced Pipers. Using the videos has several advantages:

- **Eliminate pulling Instructors off a project to teach**
- **No need for a dedicated training facility**
- **Employees train at their desk**
- **Self Paced**
- **Delivered as a Plug and Play USB Hard Drive**

The videos are the perfect resource for piping design information and just in time training.

Two Levels of Training Matched to PPD Certification

Choose from two levels of training:

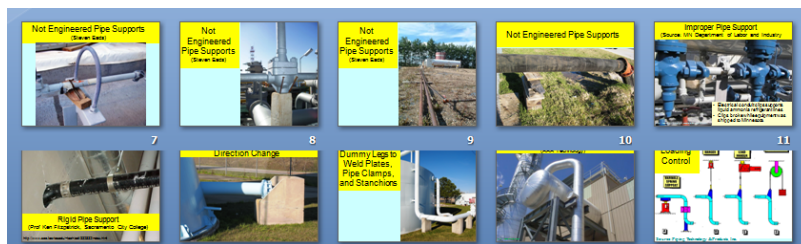
- **Piper BootCamp for the New Piping Designer**
- **Process Plant Layout for the Experienced Piping Designer**

The **Piper BootCamp level videos** review knowledge and skills appropriate for in-line pipe routing. It covers the equipment and fittings important to routing pipe from nozzle to rack to nozzle. The **Process Plant Layout level videos** review the knowledge and skills appropriate for equipment layout. It covers drums, towers, exchangers, tanks and other equipment requiring placement and orientation before any pipe is routed.

Because some topics are considered vital to both functions, some videos are included in both series.

Two Versions of the Process Plant Layout Course

Current users of SPED's Process Plant Layout Videos will now realize that there are now two versions of the PPL course videos:



Version I Original Video Recordings of live Instructor presentations

Version II Newly recorded PPL videos with additional topics and extended notes

Preparation for Certification

Both video series target knowledge needed for certification as a Professional Piping Designer (PPD) Certification. The **Process Piper Bootcamp Level videos** are recommended preparation for PPD Level I certification. The **Process Plant Layout Level videos** are recommended preparation for the PPD Level III certification. SPED PPD Certification is recognized world-wide.

To purchase the SPED's Piper Video Series contact the SPED at 832-286-3404 or spedexec@spedweb.com.

"Interest in high skill training in Process piping Design has never been stronger."

Andrea Macejak, SPED Manager of Operations

PPL Fall Course at Bechtel

SPED will hold its Process Plant Layout and Piping Design Course October 7th at Bechtel. This master Class, the only offering in 2008, ends in knowledge and skills geared toward the PPD Level III Certification Exam. It covers in depth all 17 chapters of the acclaimed *Process Plant Layout and Piping Design* textbook by Ed Bausbacher and Roger Hunt (Pearson Publishing). The course lasts for 9 weeks, Tuesday and Thursday from 6-9 pm, with a one week break for Thanksgiving with 54 contact hours.

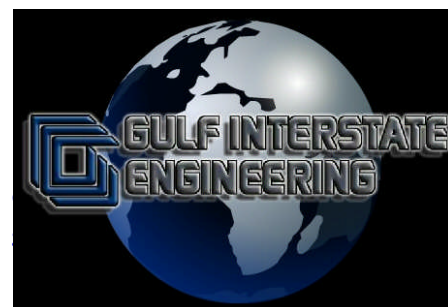
Andrea Macejak, SPED Manager of Operations, stated "After a focus on passage of PPD Level I skills from the Accelerated Piper Program we are ecstatic to offer the Process Plant Layout and Piping Design course again. Interest in high skill training in Process Piping Design has never been stronger. While our new SPED Piper Video Series is a direct hit for companies not in the Houston Area or at desk training, our Houston course is taught by experts in the field who are available for personal interaction. Each topic contains the personal insights that Pipers never forget. Some of our instructors have been teaching the topics for the PPL course for over ten years."

Bechtel, SPED Corporate Member, has offered their site at 3000 Post Oak. For information call the SPED Office at 832-286-3404 or e-mail spedadmin@spedweb.com. Course seating is limited so call immediately.

Gulf Interstate New SPED Corporate Member

Gulf Interstate Engineering has become the newest SPED Corporate Member. SPED is excited to welcome them and is grateful for their support in promoting quality piping design and professional piper training. Gulf Interstate has also been a strong supporter and participant in the TWC Accelerated Piper Program which ended this June. SPED has valued their feedback and Gulf Interstate Engineering has signed up to participate the grant renewal for 2008. To visit their website: www.gie.com.

For open positions at Gulf Interstate Engineering:
<http://www.gie.com/careers/index.php>



4th Piping Engineers INSEP Class Passes SPED PPD Level I Exam, Enters New Phase of Training



SHRDC Graduates Summer 2008; Dr. William G. Beazley, Instructor and SPED Executive Director and Ir. Mohamed Suhaimj Bahuruddin, Technip Senior Vice President for Human Resources & Corporate Planning Asia Pacific

KUALA LUMPUR, MALAYSIA Aug. 1, 2008

All 17 members of the 4th offering of the SHRDC INSEP Piping Engineering training class have passed their first phase of training and 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 State of Selangor 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.

"The INSEP program bridges the gap between generalized University Engineering Degrees and the highly applied skills needed on reimbursable projects,"
Tan Beng Teong,
Executive Director,
SHRDC.

SPED (Society of Piping Engineers and Designers) offers four levels of PPD Certification. Level I PPD Certification is considered a demonstration that the 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 bridges the gap between generalized University Engineering Degrees and the highly applied skills needed on reimbursable projects," says Tan Beng Teong, Executive Director of SHRDC. "This type of training accelerates careers and keeps local industry competitive on the world market."

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 for the sponsor and advance in their careers. Ir. Mohamed Suhaimi BAHARUDDIN, Technip Senior Vice President for Human Resources & Corporate Planning Asia Pacific, added, "this collaboration with SHRDC has now become a successful platform to develop Malaysian Piping Engineers capability to take on global opportunities and can reduce our dependence on foreign Piping Engineers."

Since 2005, 70 engineers have enrolled in the program:

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

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.

Hot Topics Series: October 9th, 6-8pm, HESS Club

“Power Plant Pipe Support Design: Lessons Learned”

Speaker, David M. Smith, Project Engineer

Piping Technology and Products

David M. Smith, Project Engineer, Piping Technology and Products, will speak Thursday, October 9th, at the SPED “Hot Topics” Seminar, HESS Club, 6-9pm. Mr. Smith will speak on the most common mistakes in “Power Plant Pipe Support Design: Lessons Learned.”

Cost is:

\$35 for Non Members

\$25 for Members

\$10 for Students

Program:

6:00 Cash Bar

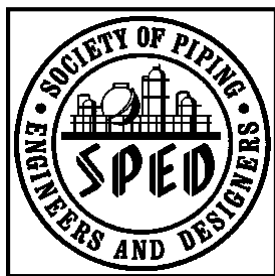
6:30 Dinner

7-8pm Lecture

Contact the SPED Office to RSVP by October 7th for this dynamic talk by calling 832-286-3404 or e-mail spedasst@spedweb.com.

This Space Available for Your Advertising.

Contact the SPED Office for Details.



Executive Director's Notes, Dr. William Beazley

Society of Piping Engineers and Designers

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Houston, TX 77064

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25 Years of Excellence in Professional Development



This has been an exciting quarter for SPED. We have completed our work for the Texas Workforce Commission. We have trained and certified 150 Piping Designers in Houston to PPD Level I. In addition, we certified 17 more Piping Engineers in Malaysia to PPD Level I bringing our Malaysian total to 70. We have also certified 4 in our initial testing in Universidad de Zaragoza SPAIN. This represents roughly a doubling of the Piping Designers certified every year since the Professional Piping Designer Certification program began.

To enhance our Professional Development Program, SPED is now offering two levels of training in our new Piper Video Series. The lowest level, Piper BootCamp, prepares you for the PPD Level I Certification Exam. The higher level, Process Plant Layout, prepares you for the PPD Level III Certification Exam. The SPED Piper Video Series is considered the industry standard for training for Piping Designers.

The market for Piping Designers continues to appear strong with jobs offered in Houston, TX, Calgary Alberta and other locations worldwide. Although the high price of oil may destroy consumer demand for refined products and chemicals, sufficient work still exists to keep most pipers employed. The SPED Office gets very few calls from unemployed experienced pipers.

SPED Calendar of Events—October 2008

Date	Function Name	Day(s)	Time	Location	Cost	Membership
October 7th thru October 30th	PDS II	M-TH	6-9pm	Bechtel	\$1095	Required for Enrollment
October 7th thru December 11th	PPL	T, TH	6-9pm	Bechtel	\$1450	Required for Enrollment
October 9th, Hot Topics Seminar	Hot Topics	TH	6-8pm	HESS	\$35	Non Members
“Power Plant Pipe Support Design: Lessons Learned”		M-W			\$25	Members
October 20-22 2008 CADWorx User Conference—SPED Exhibiting	See the SPED Website for info				\$10	Students—Valid Student ID

Coming Up:

November 16-18th
AVEVA Conference

December 4th
SPED Annual General Business Meeting

SPED Announces the New SPED Piper Video Series. See Page 2 for details.

