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## VIEWS

"With today's high price of oil – combined with other global factors -- the plant design industry is experiencing unprecedented activity in the hydrocarbon based industries, at the same time as there is elevated activity in the power, water treatment, pharmaceutical and alternative energy areas worldwide. This unprecedented project activity means there is an increasing demand on engineering resources - a shortage of engineers, a shortage of equipment and a shortage of time as the project schedules are squeezed tighter and tighter."

**Thomas J. Van Laan, PE**  
*President/CEO*  
**COADE, Inc.**

### Big Success ! COADE/ImageGrafix CADWorx Discovery Tour Middle East - Feb 2008

COADE and ImageGrafix just concluded two highly successful technical presentations of CADWorx Plant design solutions. These events which several of our key clients throughout the region participated at were held in Abu Dhabi (Feb 11th) and Doha (Feb 13th). CADWorx Discovery Tours, organized in conjunction with ImageGrafix, COADE's Global Network Partner covering the region, were part of a series of educational sessions featuring CADWorx Plant Design Suite 2008 that highlights new capabilities such as tighter integration between CADWorx Plant Professional and CADWorx P&ID Professional.

COADE Discovery Tour events in the USA, Australia, Asia, Mexico and Africa in 2007-2008 have attracted a record number of plant designers and engineers. "We are pleased with this high level of interest we are seeing, which we attribute in large part to the huge increases in the CADWorx Plant Design Suite user base over the past several years," explained John Brinlee, sales manager of Plant Design Solutions at COADE. "Those attending have been overwhelmingly positive because of the nonsales approach of the agenda, and they seem to be delighted with a chance to see these products and hear about COADE's future plans for developing CADWorx."

### PV Elite 2008

**COADE announces PV Elite 2008 for Pressure Vessel Design and Stress Analysis with**

## Code Updates and Productivity Enhancements

COADE has announced the release of **PV Elite 2008**, an enhanced edition of the company's popular integrated pressure vessel design and analysis software that incorporates the latest ASME code updates to Section VIII Division 1. To help boost productivity, many more items can now be globally modified for 'what if' cost and engineering scenarios. New features in PV Elite 2008 allow you to create tubesheet layouts for shell and tube heat exchangers and generate ASME U-1 forms with design information directly from PV Elite in Microsoft Excel format for easy customization. Also, new graphical improvements provide enhanced representations of goose neck nozzles from bottom heads plus lug and support pads. New international codes include Australian seismic code 1170.4-1993, Canadian 2005 seismic and wind codes, the European EN 1991-1-4:2005 (E) wind code and the updated Australian Wind code. COADE is also releasing CodeCalc 2008, an updated edition of the engineering software company's tool for individual vessel component design and analysis that comes as part of PV Elite. A complete list of the enhancements in PV Elite 2008 and Code Calc 2008 is available at [www.coade.com](http://www.coade.com).

PV Elite designs and evaluates pressure vessels and their components in accordance with ASME BPVC, PD-5500 and EN-13445. PV Elite provides engineers, designers, estimators, fabricators and inspectors with complete design of tall towers, horizontal vessels, "pots and pans" and individual vessel components. The software was designed for quick start up, and its graphical modeling capabilities are easy to use and allow for quick data assembly and pressure vessel design and analysis.

## CodeCalc 2008

### *COADE releases CodeCalc 2008 for Pressure Vessel and Heat Exchanger Component Design and Stress Analysis, with Code Updates and Other Enhancements*

COADE has announced the release of **CodeCalc 2008**, an updated edition of the company's software for the design and stress analysis of pressure vessel and heat exchanger components that incorporates the latest ASME code updates to Section VIII Division 1. Other enhancements in CodeCalc allow you to generate ASME U-1 forms in Microsoft Excel format for easy customization. Improved design and analysis capabilities now allow engineers to add stiffening rings to jacketed vessels, and enhanced input dialogs now display increased information in relation to the components being designed. CodeCalc 2008 also offers improvements for calculating blind flange (end cover) maximum allowable working pressure and in the output processor.

CodeCalc is the leading industry software package for the design and analysis of pressure vessel and heat exchanger components. The software calculates pressure and wall thickness and evaluates loads from supports and attachments. CodeCalc includes extensive built-in materials and components databases and the latest standards from ASME, TEMA, PD 5500 and the UBC.

## TANK 3.00

### *COADE releases TANK 3.00 for Oil Storage Tank Design and Stress Analysis*

**TANK 3.00** is an updated edition of COADE's popular software program for the design, analysis and evaluation of welded steel oil storage tanks incorporating API-650, 10th Edition, Addendum 4. This updated code in TANK 3.00 adds a new Appendix V for evaluating tank external pressure and includes major code changes for analyzing tank stress loads. These code changes include a rewritten Appendix E (seismic evaluation), modifications to the overturning checks in Section 3.11, an increase in base wind speed from 100mph to 120mph, and modifications to various load and load combinations in Section 3.2.1 and Appendix R.

There are over hundred licenses of TANK software currently in use throughout the Middle East and North Africa.

## PIPENET Service Pack 1.31

A new Service Pack, **PIPENET Vision 1.31** is now available within Sunrise Systems web site ([www.sunrise-sys.com](http://www.sunrise-sys.com)). Registered users with a valid Maintenance, Updates and Support (M,U&S) Contract are invited to visit Sunrise site and download PIPENET VISION Service Pack 1.31.

Users of previous PIPENET versions may contact ImageGrafix in order to upgrade and get current on their M,U&S status.

The service pack 1.31 includes the following new features:

- An increase in the maximum pipe size in Spray/Sprinkler from 900 mm to 1200 mm (36 in to 48 inch)
- The maximum number of inlets and outlets have been doubled in the Spray/Sprinkler module
- An improvement to the Transient Transfer Function model has been made
- In the Transient module a reference density may be specified when defining pumps

The Service Pack **PIPENET** Vision 1.31 is necessary for users of FlexLM using 1.30.

## **Last chance for upgrading AutoCAD® 2005 and AutoCAD 2005 based products**

We would like to inform you of some important changes regarding your software license(s) of AutoCAD 2005 and based products. On 14th March 2008, Autodesk® will no longer support upgrades and cross upgrades from AutoCAD 2005 and based products. Apart from existing maintenance packs that are downloadable from [www.autodesk.com](http://www.autodesk.com), service and support will also be discontinued.

For more details and pricing you can send an email to [shaju@image-grafix.com](mailto:shaju@image-grafix.com) or call Shaju mobile: 050-5510743.

## **Frame Generator Customization Tool for Inventor**

### ***Technology Preview***

The Frame Generator customization tool functionality allows you to quickly and easily add your own custom structural profiles to the Frame Generator in Autodesk® Inventor™ 2008 software. These custom shapes behave in the same way as the standard shapes provided, including placement and orientation and end treatment considerations.

For more details and to download this utility [www.lab.autodesk.com](http://www.lab.autodesk.com)

## **Feature Recognition for Inventor**

### ***Technology Preview***

Use this application to convert neutral 3D CAD (STEP, SAT, or IGES solids) models into fully featured Autodesk® Inventor™ models.

Feature mapping can be executed automatically or interactively as needed to maintain design intent.

For more details and to download this utility [www.lab.autodesk.com](http://www.lab.autodesk.com)

## **ImageGrafix Technical Training & Services Division**

**ImageGrafix Technical Training & Services Division** caters for the training needs of plant design engineers and technicians to enable them to climb up the career ladder. Our offered training courses and programs are based on curriculum and Industrial standards set by our software developer partners which are offered by our consultants and engineers who have many years of field and hands-on experience in the respective fields and bring along a wealth of knowledge with them.

Apart from regular scheduled trainings, ImageGrafix also offers special tailor made courses to working professionals and corporate companies to improve their knowledge, productivity and achieve growth.

For more information about our 2008 training courses schedules, course curriculum and fees, please visit our web site ([www.image-grafix.com](http://www.image-grafix.com)) or contact ImageGrafix Software FZCO.