

[HPInformer: the new blog from Hydrocarbon Processing](#)

November 2009

[Contents page](#) | [Special Report](#) | [Features](#)
[HP Impact](#) | [Editorials](#) | [News/Products](#)

For more information on advertisers and editorial mentions go to our [Reader Service Request](#) page.

HPI Construction Boxscore Update

[October 2009 HPI Construction Boxscore Update](#)

SPECIALreport: Process control and information systems



[Prevent storage tank fires](#)

Implementing these safety rules can reduce risk
R. Ritchie

[Avoid confusion when performing safety integrity levels](#)

Here's how to differentiate safety instrumented function demand modes

Y. A. Khalil and H. Cheddie

[Software tools are never a substitute for competency](#)

Sound practice, experienced-based judgment and teamwork are still needed for safety engineering success

S. Kozma



Requirement engineering and management—Part 1—safety critical elements identification

Use these guidelines to determine the safety-critical elements and tasks. Free software modules are available to engineer and manage the requirements

F.-F. Salimi

BONUS Report: Water Management

Update management of your cooling water systems

New 'fit-for-purpose' biocide program provides broad-spectrum biofilm control

G. Laxton and R. Hernandez-Mena

Wastewater treatment: A refinery case study

This refiner used an in-house initiative to troubleshoot plant-wide process water problems

M. Shafique, Z. U. Kirmani, A. Khurshid, N. Alam and N. Ahmed

Process Analyzers

Fine tune accuracy in analytic measurement—Part 2

Follow these recommendations for correct analyzer calibration

D. Nordstrom and T. Waters

Refining Developments

Hydrocracking solutions squeeze more ULSD from heavy ends

New processing alternatives enable upgrading vacuum residuals into higher-value products

F. Morel, J. Bonnardot and E. Benazzi

Engineering Case Histories

Case 53: Electrical faults can cause shaft and gear failures

This technique allows transient torques in geared units to be determined

T. Sofronas

HPImpact

Methanol industry rides out economic difficulties

How misguided policies interfere with global market and future supplies

Editorials

[HPI In Reliability](#)

Feedback from a pump person

[HPI Integration Strategies](#)

Installing machine protection systems in hazardous areas

[HPI In Control](#)

APC for min maintenance or max profit?—Part 2

[HPI In Associations](#)

Refiners take stock of the new reality, looking within and without the HPI

[HPI Viewpoint](#)

Ozone destruction major cause of warming!— Part 2

[HPI Viewpoint](#)

Forecast for process safety in the 21st century

[HPI In Water Management](#)

<http://www.hydrocarbonprocessing.com/default.asp?Page=14&PUB=22&SID=723320&ISS=25512>

News/Products

[HPI In Brief](#)

HPI In Construction: [North America](#)
[Central America](#)
[Europe](#)
[Middle East](#)
[Asia-Pacific](#)



[Reader service card](#)

About the Cover

Industrial clients from around the world participate in one of over 130 customized training courses offered by TEEEX-ESTI. Since 1929, TEEEX-ESTI has been renowned for providing quality hands-on, realistic, and safety oriented training to over 81,000 personnel each year. TEEEX is a member of The Texas A&M University System, one of the largest systems of technical training and higher education in the US. www.teex.org/fire.

Copyright © 2009 [Hydrocarbon Processing](#)

Copyright © 2009 [Gulf Publishing Company](#)