Liquids pipeline leak detection and simulation training

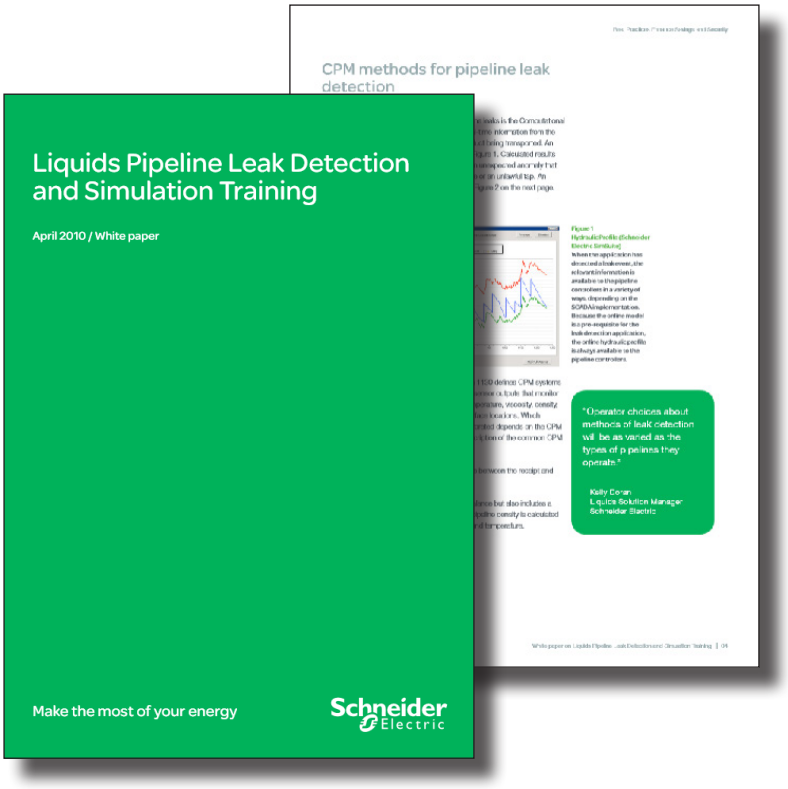
Schneider Electric www.schneider-electric.com

Schneider Electric SA is a France-based multinational corporation that specializes in electricity distribution, automation management and produces installation components for energy management.

A computational pipeline monitoring (CPM) system uses real-time information from the field – such as pressure, temperature, viscosity, density, flow rate, product sonic velocity and product interface locations – to estimate the hydraulic behaviour of the product being transported and create a computerized simulation. Computerized simulation has demonstrated to provide more comprehensive and effective training for a specific pipeline than on-the-job training. Indeed, training simulations are recognized as one of the best tools to maintain appropriate knowledge and skills for a specific pipeline. A simulator provides a repeatable, unbiased assessment of all controllers' skills and abilities and can be a highly valuable part of a comprehensive controller training/qualification program for not only leak detection procedures and practices but also other loss preventions systems.

Simulation and Forecasting Technology role
Computational pipeline monitoring, real-time information, computerized simulation, effective training

Sector
Engineering and Electronics



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