



**PROJECT PROFILE:**  
**PROCESS INDUSTRIES**



## Proactive Training Solution Improves Safety at Global Oil and Gas Firm

### Safety Management

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#### Situation

Following a catastrophic accident involving a major oil and gas company, Maersk Oil Company contracted with ABS Consulting to design, develop and implement a Global Process Safety Training Program. With offshore facilities in Denmark, Qatar and the United Kingdom, the company needed to foster safety competency for more than 3,000 personnel, from the executive level to offshore technicians.

#### Approach

ABS Consulting designed and delivered an 18-month Global Safety Training Program. Several courses based on the principles of the Center for Chemical Process Safety's Risk-Based Process Safety framework were tailored to job function. Training tools included a 20-minute DVD using testimonials from executives, directors, managers, engineers, supervisors and technicians to introduce and reinforce process safety principles to new hires.

#### Result

A series of other one-, two- and four-day courses was developed. Ultimately, Maersk Oil personnel will undergo train-the-trainer instruction to evolve the program into a self-sustaining competency assurance activity. By instilling a process safety culture, Maersk hopes to avoid accidents, reduce risk of hazardous processes and improve facility performance, helping the organization reach and sustain its goal of being a global process safety leader in oil and gas exploration and production.

#### Benefits

During program development, a numerical model of a process unit and offshore module and surrounding equipment and facilities was constructed. The model determines the impact of objects on the flow of flammables and toxic substances and resulting consequences. This information led to creation of a state-of-the-art water spray system to mitigate flammable hazards.