

Operational mastery helps drive Health, Safety and Environment excellence for operators



Virtual reality training systems enable operators to master safety competencies needed to run refineries and chemical plants.

AVEVA won a prestigious Hydrocarbon Processing Award for their global cloud-based training system they delivered to Shell.

The VR simulation-based learning solution helps operators learn to make correct decisions in highly dynamic industrial environments.

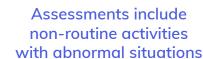
During fast-paced operations, it can be difficult to be sure that teams will make the best decision, every time. Using different VR-based scenarios, the system allows operators to learn behavioral techniques that drive operational excellence every day.

Leaders can be confident that their operators understand both the impact of wrong decisions and the performance improvements that come from correct safety and reliability practices.



How VR simulation-based learning scenarios work

Teams "learn by doing" using real-life scenarios





Quizzes challenge how individuals will respond when faced with unexpected scenarios

The VR simulation-based learning process explained (example)

Work order issued to check specific valve is ready for maintenance

On the way, a virtual colleague says he has already checked the valve

> Scenario guides operator to make the best decision



Using VR, operator locates valve

Operator faces dilemma: trust colleague or to continue?

Using the simulated scenario, safety risk is reduced to zero

Practice is tailored to each individual



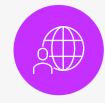
Benefits of scenario-based training



Promotes training consistency



Clearly explains expected behaviors



Standard courses run globally – tailored to each individual facility



Operators can be trained in the cloud without the need for new hardware



New and experienced operators can learn in the same environment



Immersive devices provide deeper understanding for those who require it



Sustainable training optimizes operator time, travel and energy usage









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