

K-Spice® Train

Operator Training Simulator

Train control room operators in a realistic and safe environment

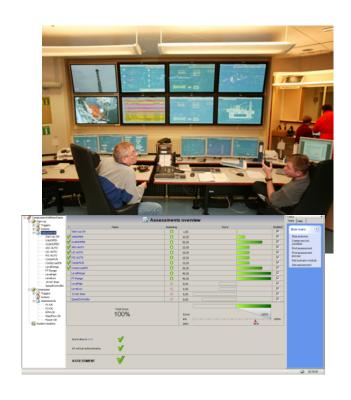
The K-Spice Operator Training Simulator trains the process operators on how to operate the process in all operational modes in a realistic and safe environment. The dynamic process model is connected to and controlled by an identical copy of the Integrated Control and Safety System (ICSS) used for the specific plant. It will familiarize the operators in how to use the Operator Station interface together with the operational procedures.

The instructor can activate realistic operational scenarios using the K-Spice Exercise Manager Module and assess the operator actions and then evaluate the result of the training. The reports are useful input to the competence mapping of the operational team and it will highlight the improvement areas for future training sessions.

The assessment tool also enables the instructor to quantitatively grade the operators based on their performance in a consistent and objective way. The system can monitor any value or status in the model and give or take away points based on a defined range. It grades the order in which actions are done making it useful for procedure validation. K-Spice Train can also set malfunctions based on time or trigger events defined in the training scenario.

Features & benefits

- · Realistic training in a safe environment
- · Process startup
- · Process familiarization
- Emergency response training
- · Control system training
- Refresh course
- Assessment evaluation tool (Exercise Manager)
 - allows the instructor to quantitatively grade the outcome of the training session
 - reward or deduct points based on the amount of time a value is out of bounds
 - trigger events in K-Spice (malfunction, leak, failure, etc.) and deduct or reward points based on the type and/or speed of response from the operator



System platform

K-Spice[®]

Dynamic process simulation tool developed by KONGSBERG

System components

- OPC DA Communication Link:
 - Transfer operating commands from control system to model and process values from model to control system
- Exercise Manager:
 - Triggering of events and evaluation of course participants

Related data sheets

