

OPERATOR TRAINING SIMULATOR FOR PHOSPHORIC ACID PLANT

Prayon Technologies

OUR IDEAS
MAKE
PROFITABLE
PLANTS

NEW

New Services from Prayon Technologies

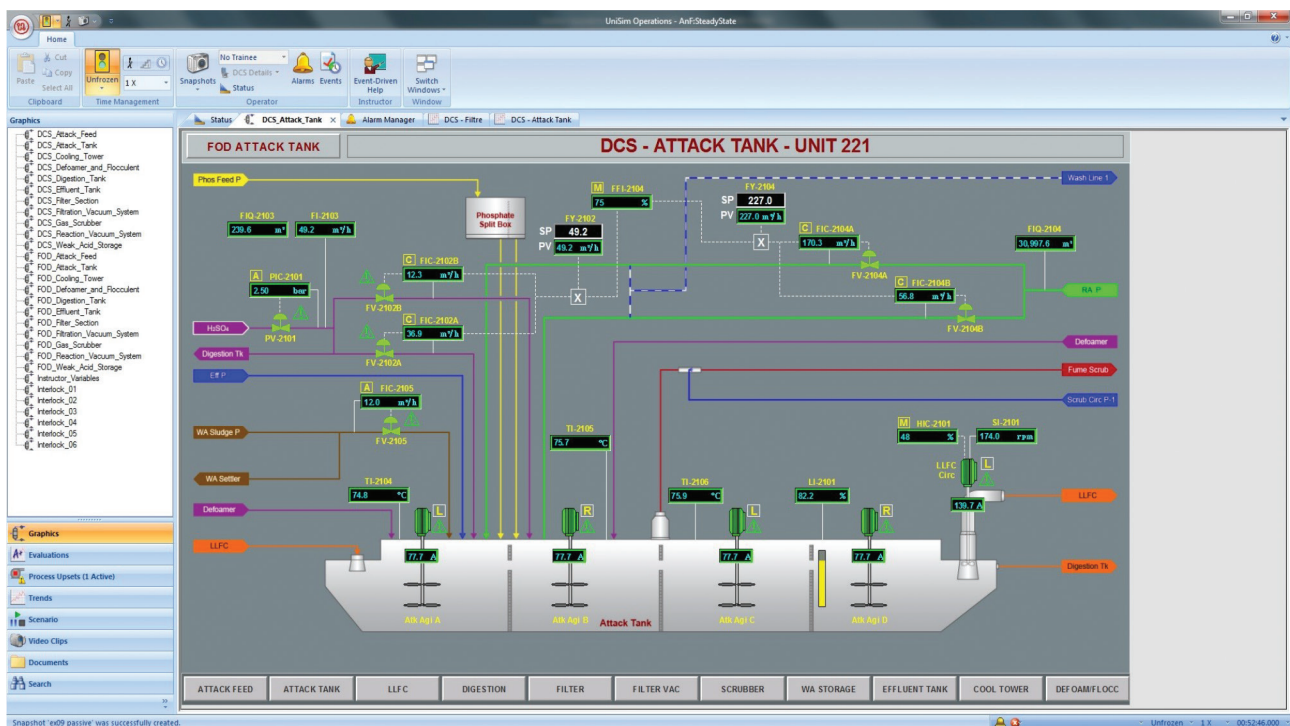
WHAT IS A TRAINING SIMULATOR?

Prayon Technologies has leveraged its expertise in processes and operations to develop a high-performance Operator Training Simulator (OTS) for the phosphoric acid production process. **Much like a flight simulator**, the OTS replicates a plant's behaviour and operating conditions over time. The simulator mimics real **DCS graphics**, controls and interlocks, and also incorporates **field operated devices** (FODs), such as motors, local control panels, manual valves, visual inspections and sampling.

ASSETS FOR OPERATOR TRAINING

Training is now much more interactive thanks to simulation exercises that require users to solve real-life process issues. This enhances plant operators' operational skills (understanding of processes, diagnostic skills and ability to anticipate situations) and contributes to the **operational excellence** and **improved safety** of today's chemical plants.

- + Transmission of operational know-how
- + Experience in DCS environments
- + Improved plant profitability by enhancing plant control



Screenshot from the simulation software

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PROCESS LICENSING

- + Phosphoric acid production
- + Phosphoric acid concentration
- + Fluorine recovery
- + Gas scrubbing
- + Phosphoric acid pre- and post-treatments
- + Gypsum purification
- + Uranium extraction from phosphoric acid

CONSULTING

Prayon Technologies can provide the following services:

- + Technical support for existing units
- + Training of operators
- + Phosphate rock evaluation



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