



AVEVA

PRODUCT DATASHEET

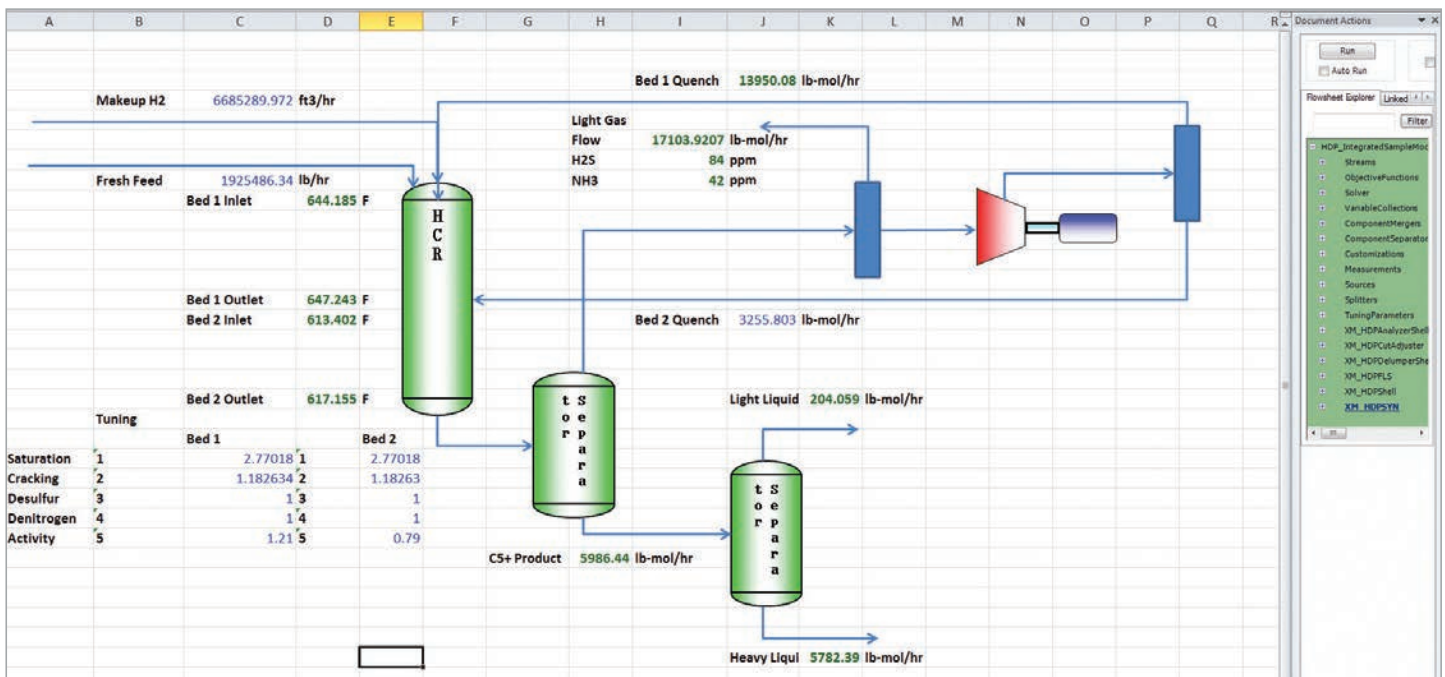
ROMeO HDP Reactor Model

Rigorous hydroprocessing modeling

ROMeO HDP Reactor model is among AVEVA's industry-leading refinery reactor models in ROMeO Process Optimisation. The HDP Reactor model can be used to model industrial hydrotreating and hydrocracking reactors of different designs.

Applications

- Refinery-wide modeling and optimisation for understanding the interaction between the HDP and upstream/downstream units
- Operator and engineer familiarisation for better understanding of the process
- LP Planning model updates based on current HDP unit characteristics and operating conditions
- Online and/or Offline HDP performance monitoring and optimisation
- Offline engineering & process improvement studies with offline SIM4ME® Portal excel interface



ROMeo Refinery Modeling

ROMeo Process Optimisation is a unique solution that enables scalable refinery-wide modeling & optimisation. While traditional modeling solutions can only simulate individual process units or provide point solutions to solve a specific problem, It provides a scalable platform that enables companies to optimise refinery-wide

performance as well optimise other aspects of refinery profitability such as Utilities and instrument/equipment health monitoring. Additional benefits are derived from leveraging data generated from rigorous models to enhance planning and scheduling decisions, leading to increased refinery margins.

