



Coke Drum Unheading Technology to Enhance Safety and Productivity

Ludwig Kesternich, Project Manager Industrial Valves (Z&J Technologies GmbH)

Abstract

Sound decisions taking on long-term cost effective technologies, while optimizing safety and boosting profits are crucial in the selection process.

Over the years, Z&J Technologies GmbH (Z&J) has been working closely with refiners, technology licensors and operators to develop advanced technologies to lower the overall, long-term operating costs and investments. Safety to the coker operator becomes increasingly important and will become part of the design.

This presentation describes the latest unheading technology improvements and benefits as follows:

- Well proven robust design
- Safety and environmental developments
- Methods for improving operator effectiveness - automation and minimize maintenance to routine checks
- Tailor-made actuator options to optimize CAPEX and accommodate space

Listening to the various DC licensors and operators in the field, while implementing some of their “continued improvement” suggestions into our designs, is beneficial to your safe operations and profits.

Z&J is a well established company since 1873 with multiple skills in valve technologies ranging from butterfly valves to large diameter slide valves. Its core technology competence lies in manufacturing and supply of valves for refining processes such as e.g. FCC, Ethylene, delayed coking and pipelines. Z&J is synonym of German Engineering Innovation.