

TECHNICAL NEWS

EMERSON

EMERSON INTRODUCES AI-POWERED ENVIRONMENT

Emerson has announced the availability of AspenTech Subsurface Intelligence (ASI), an open, cloud-native agentic environment that incorporates AI.

ASI's AI-powered guidance capabilities and library of domain-specific agents operate with the industry-standard OSDU Data Platform to automate workflows and develop insights that improve the speed from data to results and decisions.

Vikas Dhole, senior vice president of modeling and optimisation at Emerson's Aspen Technology business, says: 'Silos between disciplines, software and geographies are impacting the upstream industry's ability to make fast, effective decisions about how to maximize returns for subsurface projects. ASI is transforming subsurface workflows by improving multi-disciplinary collaboration across the hydrocarbon extraction project lifecycle and accelerating investment decisions. Combined with decision support from an embedded

AI advisor, ASI is enabling companies to more effectively navigate energy market volatility, overcome complex E&P challenges and empower a new generation of workers.'

TOPSOE

TOPSOE SYNCOR SELECTED FOR METHANOL PLANT

Topsoe has been selected as a technology provider for Sandpiper Chemicals' new blue methanol plant in Texas, USA.

Topsoe will license its SynCOR technology that – when combined with carbon capture & storage (CCS) – enables the production of blue methanol. The project, when operational will produce 3,000 tonnes per day (mtpd) of blue methanol.

Henrik Rasmussen, managing director of Topsoe Americas, says: 'We believe that blue methanol is a proven way for industries, like maritime shipping to rapidly lower their emissions. SynCOR technology in combination with carbon capture and storage is a cost-effective route to produce blue methanol at industrial scale.'

CONOCOPHILLIPS

MONKEY ISLAND LNG SELECTS CONOCOPHILLIPS' OPTIMIZED CASCADE PROCESS TECHNOLOGY

Monkey Island LNG has selected ConocoPhillips' optimized cascade Process liquefaction technology for its planned 26 mtpa natural gas liquefaction and export facility in Cameron Parish, Louisiana, USA.

The 246-acre project site, located on Monkey Island in Cameron Parish, Louisiana, is positioned with access to both deepwater shipping channels and abundant US natural gas supply.

Greg Michaels, CEO of Monkey Island LNG says: 'Monkey Island LNG selected the optimized cascade process based on its operational flexibility, quick restart capabilities, high efficiency, and proven performance above nameplate capacity. The ConocoPhillips optimized cascade process will enable Monkey Island LNG to provide customers with long-term, secure, and competitively priced LNG supply.'

PRODUCT HIGHLIGHT

RED-D-ARC OFFERS AUTOMATIC GIRTH WELDERS FOR TANK STORAGE FABRICATION

Red-D-Arc is supporting the tank fabrication industry with a solution aimed at improving efficiency, weld quality and safety with its portfolio of automatic girth welders (AGW).

The advanced systems have the capability to help fabricators transform the way tanks are built by offering an alternative to traditional manual welding methods for constructing large storage tanks. As a leading provider of welding and welding automation equipment, Red-D-Arc understands the challenges of tank construction and has a team of weld automation specialists who can support operations seeking to improve their productivity with an automated solution.

An AGW is a specialized piece of equipment designed for the automated welding of the circumferential (girth) seams of storage tanks. Rather than a welder manually moving along the seam, the AGW system travels along the outside of the tank shell, performing a highly precise and consistent weld. This automation significantly reduces the time and effort required to complete the fabrication of a tank, while simultaneously enhancing the quality of the final product.

Key features and benefits of an AGW from Red-D-Arc include:

Dual-sided welding: AGWs weld both the inside and outside of tanks simultaneously, significantly reducing welding time, speeding up project completion, and lowering labor costs.

Superior weld quality: Automation ensures consistent travel speed, arc length, and wire feed rate, delivering uniform, high-quality welds that meet strict industry standards, reducing rework and repairs.

Enhanced safety: Automating welding minimizes the need for workers in confined or hazardous spaces, reducing accidents and creating a safer work environment.

Increased productivity: AGWs boost efficiency and output, allowing fabricators to handle more projects and meet tight deadlines.

AGWs from Red-D-Arc are available through flexible rental, lease and purchase packages that can include a range of services from equipment specification to on-site installation and training performed by welding automation specialists.

Delano Cline, weld automation product manager for Red-D-Arc, says: 'Tank fabricators can achieve unprecedented levels of efficiency, quality, and safety by leveraging the technology of AGWs. For fabricators out there who are looking to revolutionize their operations, gain a competitive edge, and build a more profitable business, the right AGW solution combined with the support of Red-D-Arc weld automation specialists can be transformative for your production process.'