InField Liner subsea pipeline rehabilitation technology gains recognition

Petronas has announced that InField Liner's 6" and 8" diameters have been elevated to the highest Technology Readiness Level, TRL 7, after being in continuous service for more than three years. As per Petronas qualification standards, the TRL 7 level means that the technology is field proven as it has been installed and operating for more than 3 years with acceptable reliability, demonstrating minimal risk of early failures in the field. IFL's 10" and 12" diameters are expected to reach Petronas' TRL 7 in the first quarter of 2018.

The IFL diameter capability range will then be further extended up to 20" by the end of next year, as demand for the IFL grows, providing a product diameter range from 6" to 20".

The IFL liner matrix consists of a Solef PVDF inner layer, a Kevlar core and a thermoplastic PU outer layer, and is resistant to a wide range of aggressive hydrocarbon mixtures (gas, crude and multiphase) with temperatures up to 110°C. The IFL liner can be pulled into existing subsea pipelines over lengths of several kilometres in one single pulling operation, arresting corrosion and substantially increasing the service life of the pipeline.

The IFL technology is the world's first full bore internal subsea pipeline rehabilitation system enabling a life extension of existing pipelines of more than 30 years.

After a three-year technology development period from 2011-2013, 10 subsea pipelines running from platform to platform have so far been rehabilitated using the IFL technology, reportedly saving Petronas over US$100 million.

The IFL system offers the entire subsea pipeline industry with a supremely viable, fast and economic preference when compared against the only other option of a new-lay pipeline replacement. When installed it also offers substantial annual OPEX savings as chemical dosing and internal inspection services are no longer necessary.

Centrifuge Equipment Services places customer satisfaction first

Centrifuge Equipment Services (CES) is a dedicated, purpose built, full service facility in the Middle East for the repair and maintenance of centrifuges. The services CES provides complete centrifuge rebuilds, rotating assembly rebuilds, hard surface welding, machining and balancing services, VFD and electrical system repairs, and sandblast and painting services.

CES said it provides the highest standard of service and repairs to all centrifuges, while offering both OEM and the highest quality replacement parts and components, for all makes and models of centrifuges.

"Customer satisfaction is our goal," it said. CES believes in, and applies, continuous improvement in the technologies and processes we service. The highly-skilled and professional staff at CES are dedicated towards rebuilding or refurbishing all types of centrifuges, to, or exceeding OEM specifications. Its team has over 50 years of combined experience in centrifuge service, repair and operations.

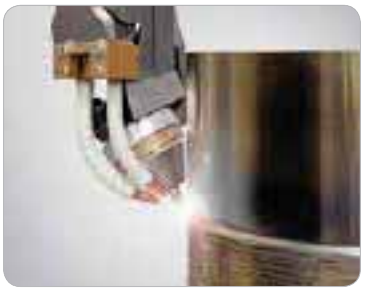
While servicing and repairing all makes of centrifuges, CES is also capable of upgrading equipment to meet a customer's specific requirements.

"CES is committed to ensuring the protection and safety of anyone who is in our care, protecting the environment while providing quality, utilising a Quality, Health, Safety and Environmental Management System that is certified and based upon ISO9001:2015, ISO14001:2015 and OHSAS18001:2007," the company said.

"Our team of highly skilled and experienced technicians is able to respond to your requirements on a 24/7 basis, thus minimising your downtime by inspecting, troubleshooting, and repairing when possible at your location."

TECHNOLOGY IN BRIEF

Weld Overlay Cladding- the future is here from Fronius



Fronius International GmbH for many years has been serving the Weld Overlay Cladding Industry with the latest technological innovations and has been a market leader for Weld Overlay Systems. With the trust of the majority of global cladding customers, Fronius has been a total solution provider for the cladding industry.

The firm said that its state of the art research and development facility in Austria understands the needs of the future and is continuously working to develop new and advanced processes to cater the needs of Cladding industry.

Since the demand for Weld Overlay Cladding is increasing day by day, especially in the Middle East region with more and more pipes, vessels and BOP's to be cladded, Fronius introduced its latest technology for cladding in the Materials Performance and Welding Technology Conference organised by Saudi Aramco in Dammam in September 2017.

The company's latest technology of High-Performance TIG Hot Wire Twin and TIG Hot Wire Advanced was introduced by Nitin Raheja (Key Account Manager- Perfect Welding) during the conference.

With the latest technological solutions, Fronius ensures that its processes are capable of significantly increasing the productivity and reliability.