



AESSEAL® system improves safety at US plant

Safety concerns following a fire at an oil and gas facility in the United States prompted the company to review its seal piping plan and to hold consultations with AESSEAL® in search of a possible solution.

The facility had been using a dual unpressurized seal with API Plan 11/52. However, the Plan 52 was not connected to the flare system. Instead it was vented to drain and had caught fire a short time previously following a seal failure, compromising the safety of the plant.

AESSEAL® recommended the installation of its API 682 certified CAPI™ C dual seal in conjunction with API Piping Plan 23/53A. This was installed in August 2025 and has already been running for longer than the previous solution.

The CAPI™ C is part of a range which offers the user engineered sealing solutions to suit all application requirements, with a modular design ensuring simplicity of purchase and fast delivery. It uses two independent seals with a barrier fluid to safely seal hazardous process liquids, providing containment and preventing process fluid leaking to atmosphere. A Helicoil Water Cooler is used to properly cool and flush the inner seal faces in a Plan 23 arrangement.

The company's senior reliability engineer said that the plant now has a system which complies with all the relevant regulations, and that the pressurized seal support system and upgraded API piping plan have contributed to significant improvements in onsite safety.



‘Significant improvements in onsite safety’

Industry:	Oil & Gas
Product:	CAPI™ Type C Dual
Application:	Atmospheric Gas Oil Pump
Reference N.O:	TD3140380

