

## CAUSTIC DILUTION & INJECTION SKID supplied to Mobil Altona Refinery **ExxonMobil 2CDU PreFlash PROJECT**



### CAUSTIC DILUTION & INJECTION SKID

The purpose of the custom designed and built skid package is to dilute and inject controlled volume of caustic solution at 3%-5% into the crude, which will react with the Chlorides to form a less corrosive Chloride.

AFH have designed, tested and supplied the skid package in accordance with client specifications.

The skid package consists of 4 LEWA double diaphragms API 675 pumps fitted with diaphragm rupture detection gauges. There are 2 CAUSTIC pumps (in duty/standby) and 2 WATER pumps (in duty/standby).

A panel mounted control system comprising of an Ex'd enclosure (with selector switches and start/stop buttons), 515 controller taking density and flow readings received from the Micro Motion Coriolis meter and making real-time adjustments for stroke length and speed of pumps (VSD control) to achieve the correct flow and concentration of diluted product. The VSD panel is located off skid in a safe area.

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*Offering full scope from concept to completion through design, project management, assembly, testing & associated services backed by internationally renowned pump and compressor manufacturers*

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