

Soft Starters for the Oil & Gas Industry

Driving crude oil pumps

Motor ratings: 2300-3300V, 160A
North Sea, UNOCAL Helder-A Platform
The Netherlands



HRVS-DN, 2.3-3.3KV/160A

Off the coast of The Netherlands, in the cold water of the North Sea, "UNOCAL 76" is pumping crude oil via nine MV pumps. Six of these are equipped with HRVS-DN mini height soft starters.

The design goal was to save the overworked pumps from excessive torque surges. The ideal solution for these sea bed pumps located 900 meters below sea level was Solcon HRVS-DN soft starters. The first was installed and operated in 1997 and the final one was installed in 2005.

Solcon soft starters eliminated the high mechanical torque surge and prevented damage to the motor shaft.

This unique application required a special design to fit into a 1.5 meter high space - this was done at Siemens's request with the last one being shipped within an amazing delivery time of only 5 days!



Helder A "Platform North Sea" six units are installed and operating
Customer: UNOCAL 76 (United Oil of California)
Special requirements: Dual voltage at 2.3 & 3.3KV and Max. cabinet height - 1.5 meter
Unsurpassed delivery time: 5 days

