

## Sundyne HMD Kontro Sealless Pumps

## HMD Kontro Case Study

# Sealless for Sable II Project

HMD Kontro Provide Solution for the  
Sable Project Offshore of Nova Scotia

**The Sable offshore energy installation is the largest construction project ever undertaken in Nova Scotia and is changing the face of the local economy there. The extensive offshore oil and gas facility is providing an alternative energy resource throughout the Maritimes and Eastern United States.**

Six natural gas fields, 225 kilometres / 140 miles off the east coast of Nova Scotia are positioned deep out into the Atlantic Ocean. The installation is now delivering between 400 and 500 million cubic metres / 14,000 and 17,000 million cubic feet of natural gas and 20,000 barrels of natural gas liquids per day.

During the discussions on the application of Milton Roy (a sister company of HMD Kontro) diaphragm pumps for the Alma platform it was determined that these pumps may be subjected to low NPSHA (Net Positive Suction Head Available) conditions. Therefore, booster pumps were required to increase suction pressures. However, in common with other offshore platforms, space constraints presented a challenge.

It was suggested that a second set of pumps be installed, to boost the suction pressure. HMD Kontro GSP pumps, conforming to API specifications were evaluated and selected. Two pumps in 316 stainless steel were installed in 2002, with the platform starting operation in the spring of 2003.

The Alma platform conducts preliminary processing before transmitting the natural gas to a processing facility some 50 km / 30 miles away. The platform is positioned in a water depth of 67 metres / 220 feet.

Subsequently, a further phase in the Tier Two expansion project, the construction of the South Venture platform presented similar issues with the vent drum return pumps. However, in this situation the liquids were deemed to be much more corrosive. As a result, GSP pumps from HMD Kontro were again selected but this time with all wetted parts in Alloy C-276. These pumps were supplied in 2005 and the South Venture platform commenced operation later that year.

The HMD Kontro GSP pumps have performed successfully and the reports from the end user, Exxon Mobil Canada East are very favourable. The processing system has had the benefit of a steady constant pressure liquid supply and this has resulted in a very successful installation.

The HMD Kontro GSP pumps are relatively unique in meeting all of the standards of API 685 for sealless magnetic drive pumps. They are finding many applications in oil and gas installations throughout the world with users benefiting from the minimal maintenance requirements of the sealless design.

Further information about the Sable Tier project can be found on the Exxon Mobil website at [www.soep.com](http://www.soep.com). For full details of the HMD Kontro range of sealless pumps, including the GSP line, please visit our website at [www.hmdkontro.com](http://www.hmdkontro.com). Alternatively, please call +44 (0) 1323 452000 or send an email to [info@hmdkontro.com](mailto:info@hmdkontro.com).

