

# Seal-less Pumps a Success in Polymer Injection

**Major global oil and gas companies are significant users of Hydra-Cell pumps in upstream and downstream applications.**

Seal-less design allows the pumps to handle liquids of all types from thin non-lubricants to abrasive slurries, chemicals and contaminated mixes. They have a wide operating range and can work continuously at high pressures.

## Polymer Injection

Low-shear pumping action, responsive control and reliability were critical considerations for enhanced oil recovery (EOR) systems specialist Nalco FabTech when designing and installing a 21-pump polymer injection facility for a Wyoming oilfield.

Following the success of the Wyoming plant, FabTech has installed injection plants with Hydra-Cell pumps in Canada and Oklahoma, while additional pumps incorporated in the Wyoming plant include a larger Hydra-Cell model, the H35.

## Improved Life Cycle Costs

A distinctive feature of the Hydra-Cell, giving it an advantage in many applications over other positive displacement pumps, is that there are no dynamic seals or close-tolerance moving surfaces in the design.

Seal-less design has implications for the service life of the pump and Life Cycle Costs, by removing the most common cause of premature wear and consequent loss of performance. But equally significant



**Polymer injection plant designed and built by FabTech**  
(photos: Nalco FabTech)

for FabTech on the injection application is the low-shear pumping action of the Hydra-Cell, protecting the polymer from degradation.

## Hydra-Cell G25 at ONS

In the North Sea, JWS (Jansen og Williamsen Services AS) is a Norwegian full-service supplier within drill cuttings handling and high pressure cleaning. JWS services include vacuum transport, together with transport of drill cuttings, sludge and slops.

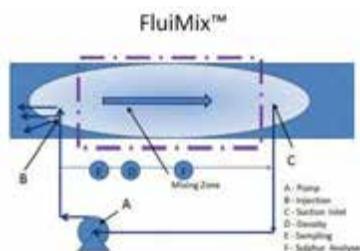
The company supplies vacuum pumps that are both standardised and custom-produced for various needs – including the Hydra-Cell G25 as part of the company's offerings for vacuum transport.

During ONS, visit JWS at M 1200 to find out more about the company's offerings and the Hydra-Cell G25.

Visit [www.hydra-cell.eu](http://www.hydra-cell.eu) and [www.jws.no](http://www.jws.no) to find out more. ■



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