

Application story



Reverse Osmosis for Pig Farm Waste

Location	Netherlands	Hydra-Cell model	G35XKCTHFEYA
Type of application	Reverse Osmosis for Pig Farm Waste	Flow rate	125 l/min (33 gpm)
Liquid	Water Ammonia Chloride Potassium Sodium CIP liquid Hydrochloric Acid	Pressure	50 bar (725 psi)
Application details	With water being the valuable commodity it is, a large Pig breeding farm in the Netherlands employs a Reverse Osmosis (RO) system to filter & treat it's waste. Previously, a stainless steel CAT 3541 pump was installed on this duty. However due to the nature of the liquid combination, this required frequent and costly maintenance overhauls to the seals & valves. A change to a Hydra-Cell G35 pump has dramatically reduced the maintenance and significantly increased production up-times. The waste is collected and transported on a long conveyor, dewatering as it travels and the liquid collected underneath is then pumped by the Hydra-Cell to the RO system. As a result of this, only 40% of the collected waste is now transported off-site, with 60% being water that can be reclaimed.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell's seal-less design reduces maintenance and increases production uptime.		

www.hydra-cell.co.uk

Wanner Engineering -
World Headquarters & Manufacturing
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

Wanner International
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

Wanner Pumps
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com

Wanner Pumps
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com