

Engineering company completes second order for Iraqi water project

Pump manufacturing company APE Pumps, a member of industrial engineering group PSV Holdings has completed the second of two orders worth a total of R30-million, to supply four water pumps to a water project in Iraq.

The water supply project is about 100 km south-west of the capital, Baghdad, and the order placed with APE is similar to three machines delivered by the company to the same project in 2005.

The four pumps are the biggest manufactured by APE to date. The project comprises the multibillion-dollar rehabilitation of existing canals and pump-houses, which deliver water to surrounding populated areas.

The latest order consists of a 1 600-mm single-stage vertical turbine pump.

PSV Holdings CEO **Abie da Silva** says, "With the recent

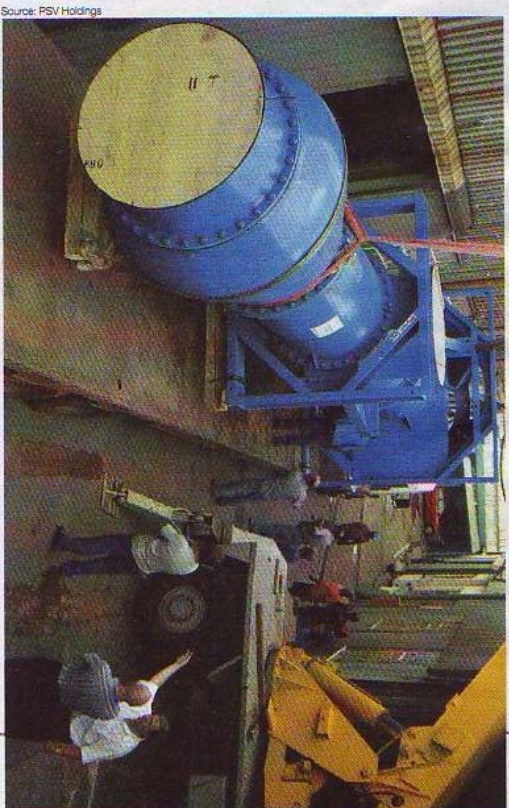
With the recent acquisition of APE Pumps, PSV Holdings now has an expanded engineering capability and is able to benefit from contracts such as the one in Iraq

—ABIE DA SILVA

acquisition of APE Pumps, PSV Holdings now has an expanded engineering capability, and is able to benefit from contracts such as the one in Iraq."

Da Silva adds that this is a repeat order, illustrating that original-equipment manufacturers are focal points for the PSV group of companies; this is evident through the current APE order book, which comprises about R25-million.

APE's vertical turbine pumps are needed to replace obsolete



Source: PSV Holdings

MEASURING UP
The pump which was transported to Iraq measured almost 20 m in length and weighed 36 t

machines within a key existing pump house, and were designed to fit existing sumps and foundations; and to align with original pipes.

The order for the fourth vertical turbine pump was placed with APE Pumps by a US-based project management company Washington International, and includes a motor supply and a comprehensive set of spare parts.

When fitted with its 1 300-kW, 420-rev/min, 14-pole electric motor, the pump measures almost 20 m in length, weighs 36 t, and is set to pump 3 800 ℓ /s of water at a head speed rate of 20 m.

Apart from the casing, the pump is entirely constructed of

stainless steel to combat the corrosive effects of water pumped at the high Iraqi ambient temperatures of about 50 °C.

A coating of Belzoni corrosion-resistant compound protects the cast iron casing itself.

Before shipping early in May, witness performance tests were carried out on the pump at the South African Bureau of Standards facility, in Pretoria.

The motor was then removed and the two machines shipped separately, but complete assemblies from South Africa took place at the port of Umm Quasar, in Iraq.

The pump was transported to the site by road.

ENGINEERING NEWS COMPON ON PAGE 22 E13704