

VLT

VLT® AQUA Drives provide clean water for the biggest coalmine in Colombia

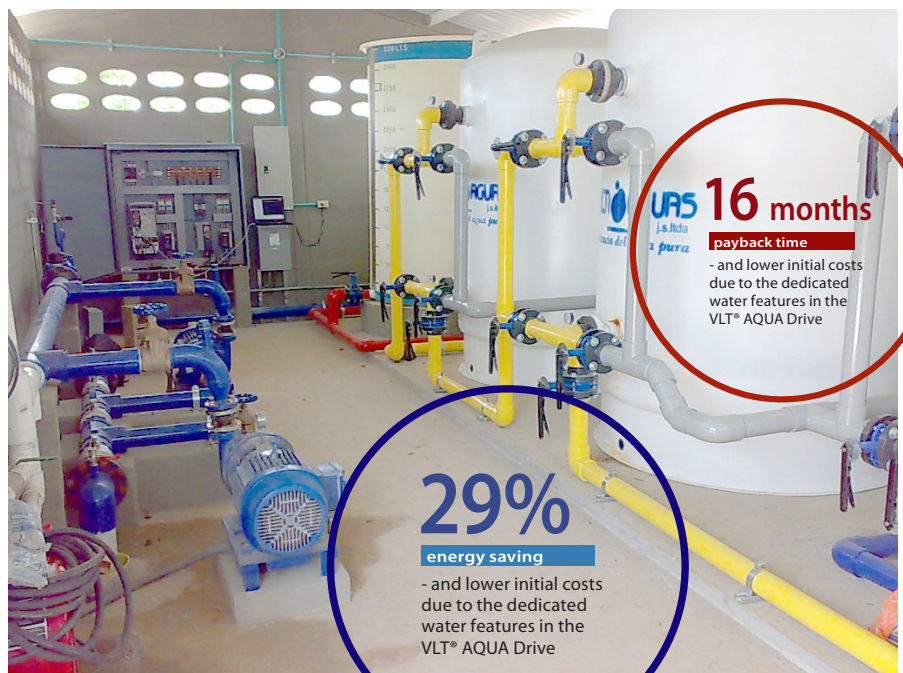
VLT® AQUA Drive handles the water supply for the Drummond coalmine better, more energy efficiently and economically than PLC controlled on-off operation.

Drummond Coal Mine in the Cesar Department 600 km northeast of Bogotá is the biggest coal mine in Colombia.

The company hired Tecnoaguas JS to install a PLC-controlled pumping system equipped with instrumentation like flow switches, pressure switches, floating switches and more, but the consultant was convinced to consider a solution controlled by the Danfoss VLT® AQUA Drive in order to keep the system as simple as possible.

The budget showed a lower total investments using the Danfoss solutions compared to the on-off solution. The water functions included in the VLT® AQUA Drive made the entire project cheaper and quicker to install and commission..

Following installation, the customer realised extra benefits like constant pressure, soft operation and a very intuitive interface.



Two VLT® Compact Starters each control a 15 kW pump

Two VLT® AQUA Drive frequency converters control motors rated for 15 kW and 5.5 kW

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