

VLT® drives 20 irrigators and supplies irrigation water for 100 farms



Nearly 2 years ago now, a project began with the aim to facilitate installation and operation of irrigation, while ensuring better usage of the water resources in Vendée in the west of France. It was initially decided to create four large water reservoirs south of Vendée.

These reserves would be filled with water during the winter. At the exit of each reservoir a booster pump station was installed in order to feed the water into a vast irrigation system to provide sufficient water for more than 20 irrigators.

Up to 100 farms

With extensions this system would allow for up to 100 farmers to be connected. This project was proposed with the irrigators in the same manner as the drinking water supply, i.e. they are connected to the network and are invoiced with consumed m³. This means they will then no longer have to be concerned with state of the reservoirs, maintenance, etc. It was financially very interesting for the farmers, and so it was decided to go ahead with the project and appoint the

company Coteaux de Gascogne as property developer for the realisation of this project and responsibility to secure the installation and operation.

The Vendée, county located in the West of France, always experienced strong development concerning agricultural (mainly corn and sunflower) because the quality of the ground is favourable there.

Danfoss, by the means of its flowmeter department, took part in the measurement of the water consumption for the irrigation of these fields. For just over 10 years, the water agency of Loire Brittany asked the irrigators to equip their installations with means of measuring the flow in order to tax them on the actually consumed volumes of water, rather than on a cultivated surface. It is within this framework that Danfoss was approved by the agency of water for its electromagnetic flowmeters. This

Gained confidence

The company OUVRARD was retained for the realisation of the booster pump stations. The realisation of the earthwork began in 2005 and consultation for the variable frequency converters started in mid 2006.

Danfoss secured this order, which includes four 200 kW VLT® 8000 Aqua drives for regulating the pressure and three VLT® Softstarters of 220 kW for the pumps in cascade. The main reason for this was the confidence Danfoss has gained over the years with OUVRARD, especially because of the service proximity (before and after sale) and the quality of the drives.

Nothing but VLT® drives

OUVRARD, which has mounted only Danfoss VLT® drives for more than 10 years, knows the reliability of the drives and the exceptional quality/price ratio, as well as the speed of the after-sales service.

project was a great success since nearly 1000 MAG2500/3100 were sold. These sales raised the knowledge of Danfoss with installers specialised in the field of agricultural irrigation, and in particular the company OUVRARD, which is one of most important companies in this area. OUVRARD alone installed more than 400 Danfoss flowmeters.

In 1995 the first VLT® 3500 were installed on pumps from 75 to 110 kW. Since then every year, a certain number of installations have been equipped first with VLT® 6000 and later with VLT® 8000.