

Acheron Valley Irrigation now relies on Danfoss VLT® AQUA and MCD Technology

Danfoss Drives supplies VLT® 8000 Aqua High Power Drives and VLT® Soft Starter MCD3000 for irrigation pump control in the Acheron Valley Irrigation project in Greece.

The project involves the renovation of five pumping stations and the associated hydraulic and electromechanical works for enhancing the irrigation of the Acheron River Valley, including the construction of a telemetry network for data acquisition and control.

Danfoss has supplied to the contractor "IONIOS TECHNIKI", 28 units VLT® Soft-starters MCD 3000 220 KW – 400 KW and 5 units VLT® 8000 Aqua 200 KW – 400 KW.

"Comprehensive pre-sales technical support for consultants, local authorities, contractors, panel builders and Telemetry System Integrators during the last three years, in all phases of this water project, are the main reasons for the success," explains Dimitris Skeparnias, Regional Sales Manager for SBA Water in South Europe.

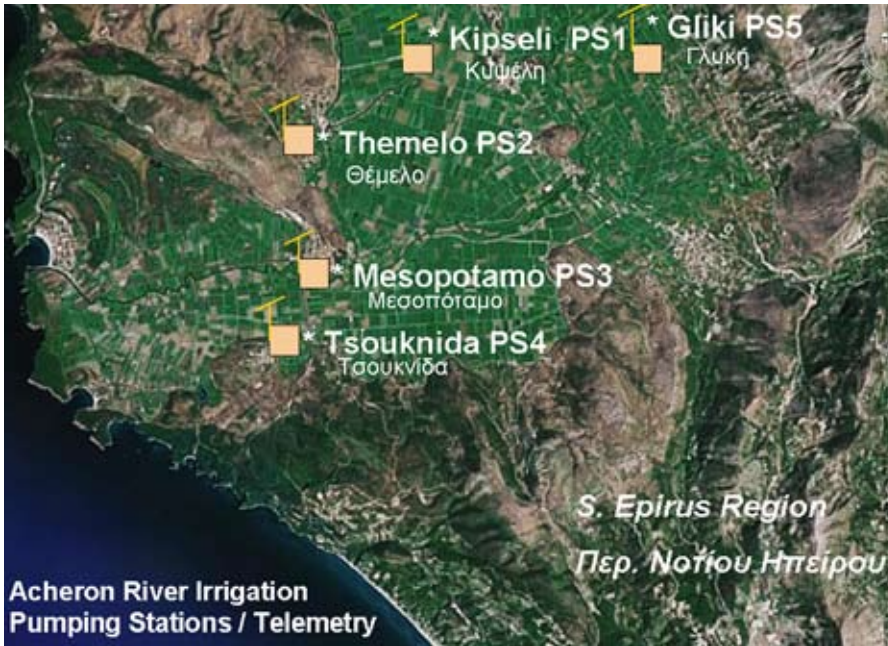
According to Mr. Evangelos Liaskos, Automation Engineer for "IONIOS TECHNIKI", "Danfoss is present with service facilities and on-site field support in Greece, which is important and reassuring for water contractors, specially when dealing with high-power drives and softstarters". He also adds that "we cannot afford to leave the farmers without water, specially in the summer time, therefore we rely on Danfoss as a reliable AC drive manufacturer".

The Acheron Valley Irrigation project was delivered to the local authorities of Preveza Prefecture in May 2007, just in time for the irrigation season. Danfoss drives and softstarters cater for a regulated water supply to 35.000 acres of farmland. The hydraulic network consists of DN 50 up



to DN 600 pipe lines with length up to 95 km. The pressure ranges from 10 to 12 bar. Each pumping station will be equipped with RTUs which will communicate wirelessly with the irrigation supervision center. There, via a SCADA system, the whole network will be supervised and controlled.





The Acheron River is located in the S. Epirus region of northwest Greece. Acheron translates as the “river of woe” and in ancient times it was believed to be a branch of the underworld river Styx. The river and the nearby ruins of the Necromanteion are found near Parga on the mainland opposite Corfu.

Virgil mentions Acheron in Book VI of the Aeneid. In VII, line 312 he gives to Aeneas the famous saying, *flectere si nequeo superos, Acheronta movebo*: ‘If I cannot deflect the will of Heaven, I shall move Hell.’