

## New Zealand irrigation control company up-grades to VLT® AQUA Drive

**Initial apprehension to give-up VLT® 8000 changed to enthusiasm as Nairn Electrical tested the new VLT® AQUA Drive.**

Nairn Electrical, a long-standing Danfoss customer, produces pump control solutions for irrigation systems on crop and dairy farmland in New Zealand.

The company had relied on the VLT® 8000 series for years when they tested the VLT® AQUA Drive in January last year but made a complete change-over only six months later.

"The 8000 series worked fine and initially we were not happy to hear about the phase-out," says Lincoln Teale, Head Electrician at Nairn Electrical.

"But this soon proved a needless worry. The AQUA drive offers more programming options and is smaller and easier to install," he adds.

The AQUA drives regulate pump speed in Nairn's control systems. They monitor flow, pressure, and water level. Also, information about the maximum amount of water that can be pumped each day is programmed into the unit.

And this is a key feature. Government quotas limit the amount of water each



*Lincoln Teale in front of one of Nairn Electrical's irrigation pump control solutions.*

farm can use and fines are heavy for farmers that exceed their quotas..

"The rules ensure that farms do not use all the water in certain areas. And since the drives can be programmed to pump just the allowed amount, farmers don't have to worry about fines," explains John Graham, Technical Sales Engineer, Danfoss, New Zealand.

Last year, Danfoss sold 54 of the new VLT AQUA drives to Nairn Electrical and John Graham expects them to buy the same amount this year - perhaps more.

