

**INTELLIGENT CONTROL  
FOR COMMERCIAL BUILDINGS AND  
NETWORK PUMPING STATIONS**





A complete pre-engineered system designed to meet future demands and backed by reliable support.

## FULL CONTROL. FROM A DISTANCE.

If you want complete control – including from a distance – look no further. Dedicated Controls is an intelligent monitoring and control solution developed specifically for network pumping stations and commercial buildings.

They are designed to control sewage pumping stations combining one or two pumps and a mixer. This makes them an excellent choice for main pumping systems, commercial buildings, and similar applications.



### Dedicated Controls at a glance

With their integrated control and communication options, the Dedicated Controls solutions expand the scope of the Grundfos controls range. Here are some of the main features:

- Control one or two pumps
- Supplied as separate modules or as a part of a complete package.
- Fast commissioning with Wizard function
- Analogue inputs 4-20 mA (pressure/ultrasonic transmitters) and/or up to five float switches
- Also controls mixer for cleaning the wet well
- User-friendly display interface
- Connection can be made via wired or wireless networks to SCADA and BMS systems
- Full data logs
- Customize your alarm schedule
- Text messaging – control pumps and receive information via SMS
- Early warning before alarm
- Compatible with the Grundfos Remote Management system



*Dedicated Controls are ideal for network pumping stations, allowing reliable control of two pumps and a mixer*



*Commercial buildings can integrate sewage handling in their building management system*



*Advanced pressurised pumping stations get the final touch with Dedicated Controls*

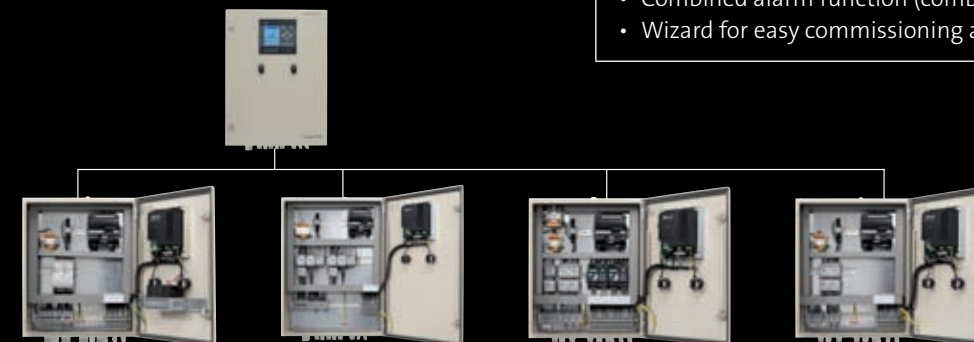
## CHOOSE YOUR LEVEL OF INTEGRATION

Dedicated Controls can be delivered in two ways:

- as separate modules, easily installed in your existing control panel
- as complete, plug'n'play control cabinet solutions with motor starters for direct on line, star/delta or soft starter

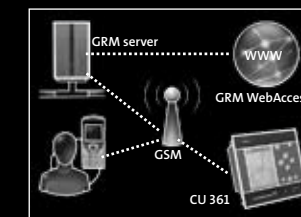
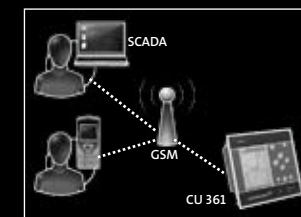
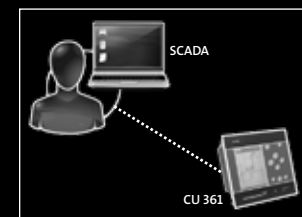
### KEY CONTROL FEATURES

- Pump alternation
- Parallel operation of both pumps at second start level
- Pump start and stop delays
- Mixer control for cleaning the wet well
- Inflow calculation by volumetric measurement
- Pumped volume calculation by volumetric measurement
- Daily emptying
- Overflow time log
- Anti-seizing
- Foam drain
- Combined alarm function (combi-alarms)
- Wizard for easy commissioning and replacement



*Use your chosen solution as stand-alone units – or fit it with communication options for wider system integration.*

## COMMUNICATION OPTIONS TO MATCH ALL REQUIREMENTS



*Receive input and control your pumps via your computer, mobile phone, or over the Internet*

### Stay in touch from a distance

We believe in open protocols. That's why your Dedicated Controls solution can be connected to any SCADA system, allowing you remote access to your pumping station. You can control the pumps, change their setting, and access information such as alarm read-outs, alarms, and operation data. As shown above, connections can be created either via wired networks or wireless technology such as GPRS/GSM networks.

If you choose WebAccess via Grundfos Remote Management system (GRM), you can communicate via your computer, the Internet, or via mobile phones as you choose.

### Helps reduce costs

Taking complete control has many advantages. The time spent on reporting, data collection, etc. is minimized – as are service visits. When you always know how your stations are doing, maintenance visits can be scheduled for maximum efficiency because you are constantly monitoring your station's condition. Giving your system Dedicated Controls can pay dividends in very little time.

## SEE THE BIGGER PICTURE

Grundfos is a global leader within water handling technology. Our passion is to bring you all the products you require to create and operate pump systems that combine reliability, cost-efficiency – and innovation. Our products are for use in water supply and wastewater infrastructure on any scale.

Grundfos has a full line of products and systems for the intake, treatment, and distribution of drinking water and for the transport and treatment of wastewater. We also offer expertise and industry insight that can increase reliability and reduce lifecycle costs for water utilities.

Key product areas include:

-  Submersible pumps
-  Surface pumps
-  Sewage pumps
-  Mixers, flowmakers & recirculation pumps
-  Pumping stations
-  Monitoring & controls
-  Dosing & disinfection
-  Aeration equipment

Our products are the result of decades of engineering expertise. Supported by a worldwide service network.