

ngpanel

THE NEXT GENERATION CONTROL PANEL
TO MANAGE DRAINAGE AND FILLING PUMPS

DCONNECT

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ANDROID APP ON
Google play

BUILT-IN CONNECTIVITY



DAB
WATER • TECHNOLOGY

DABPUMPS.COM

CONTROL AND PROTECTION AT FIRST SIGHT

NgPanel is an electronic control panel designed to manage and protect 1 or 2 pumps in wastewater lifting stations for commercial and residential buildings.

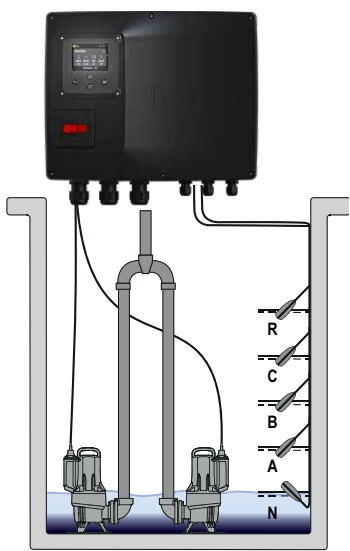
Ideal for filling and emptying operations, monitor water levels in tanks or wells in real time, control the pumps' automatic starting and stopping, provide thermal overload protection for the motor, and give the option of controlling the system's operation remotely.

With a certified IP55 protection rating, it withstands the ingress of dust and water, so it can even be installed outdoors, where there is no direct and complete exposure to bad weather and sunlight.

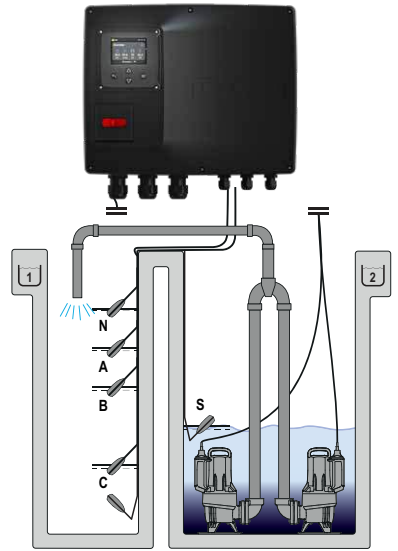
And when it comes to upgrading obsolete pumping systems, **NgPanel** is the most intelligent control panel in the market.



EMPTYING MODE



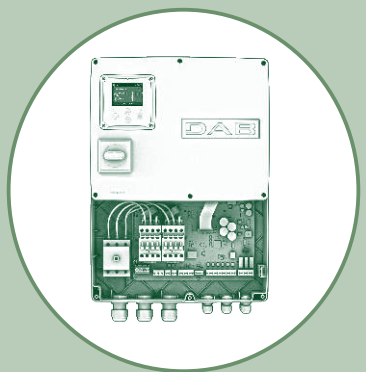
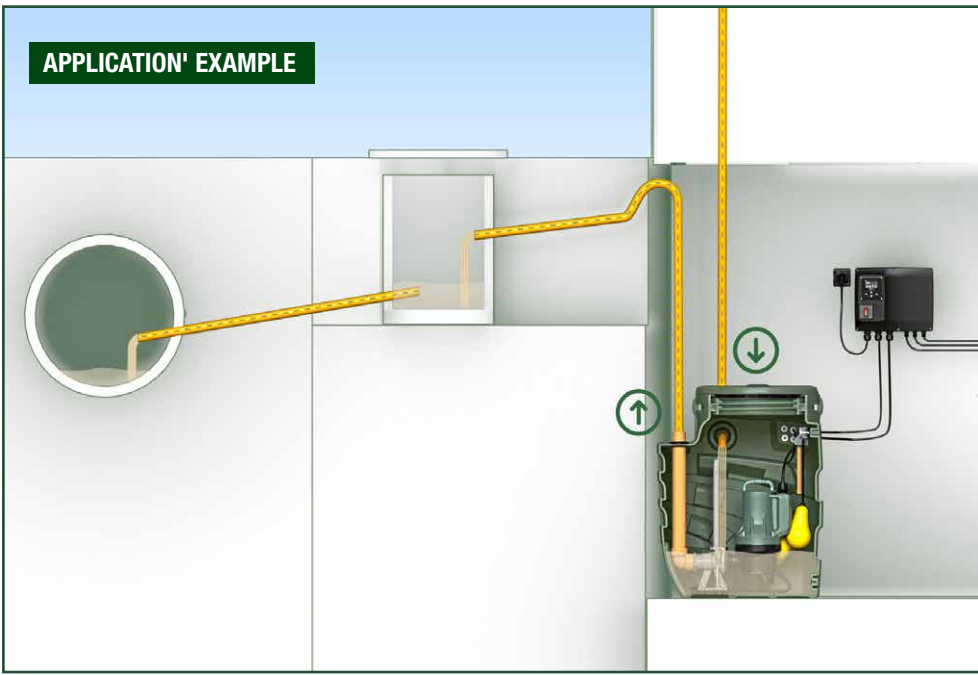
FILLING MODE



APPLICATION' EXAMPLE



APPLICATION' EXAMPLE



FUNCTIONAL DESIGN

The painstaking care that's gone into **NgPanel**'s design is in response to a practical requirement, namely the need to make it light and easy to handle, simpler to mount on a wall without the need for additional tools, and to service its various internal components.

VERSION



| | NGPANEL 12A | | | NGPANEL 20A | | | NGPANEL 20A | | |
|--------------------------|-------------|---------|---------|-------------|---------|---------|-------------|-------|-------|
| FREQUENCY (Hz) | 50/60 | | | | | | | | |
| POWER SUPPLY (VAC) | 1x100-240 | 3x440 | 3x575 | 1x100-240 | 3x440 | 3x575 | 1x100-240 | 3x440 | 3x575 |
| MAX INPUT CORRENT (A) | 12+12 | 12+12 | 8+8 | 20+20 | 12+12 | 8+8 | 29 | 12 | 8 |
| MAX PUMP POWER (P2) (kW) | 1.5+1.5 | 5.5+5.5 | 2.5+2.5 | 2.5+2.5 | 5.5+5.5 | 5.5+5.5 | 3.5 | 5.5 | 5.5 |

TO BE USED WITH:

Feka VS



Feka VS Grinder



Drenag FX



Grinder FX



Feka FXV



Feka FXC



FKV/FKC



DAB SMART SYSTEM

When it comes to system safety and control, being able to monitor installation status ahead of time and in the best possible way is simply a must. This is why DAB has created a panel that is already a generation ahead: **NgPanel** is not just a protection and control panel, it is the hardware component of a fully-fledged smart system, the technological product of over 40 years' experience in the wastewater handling sector.

Used in conjunction with **DAB Virtual Cockpit** and **DConnect**, it takes user experience to the next level, providing pump control from any location, optimising the relevant procedure, which becomes extremely simple, intuitive and effective: this means fast setup, direct status monitoring, and immediate alarm warnings on screen.

Connected to the internet, **NgPanel** harnesses all its potential for increasingly flexible, smarter system control.



DISCOVER MORE





KEEPING YOU IN YOUR COMFORT ZONE

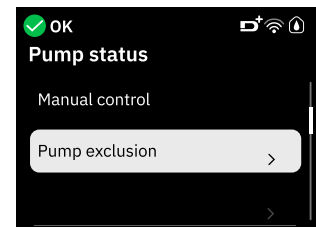
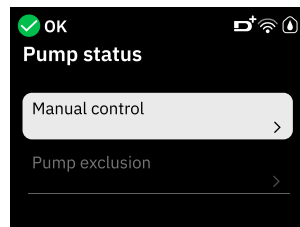
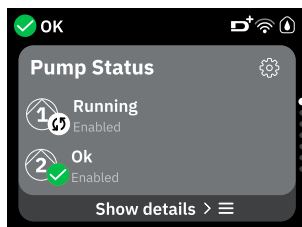
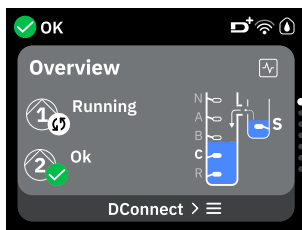
WORK THE WAY YOU'RE USED TO

With **DAB Virtual Cockpit**, you can control all your systems in exactly the same way that you'd control the TV at home, for example.

So, there's no need to change the way you approach everyday tasks in order to interact with **NgPanel**: everything from the initial configuration to system monitoring becomes a familiar, intuitive experience.



AS EASY AS USING REMOTE CONTROL

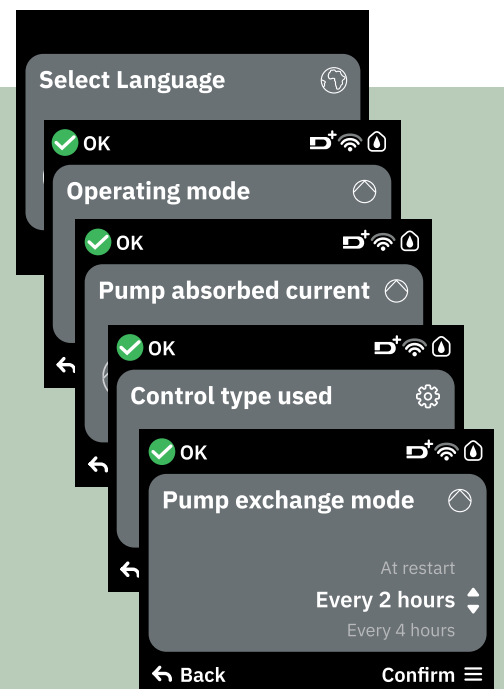


THE WIZARD

Setting up the system is extremely quick thanks to the wizard, which walks you through the process in just **5 key steps**: it takes 5 minutes to set up and you're ready to start the pumps.

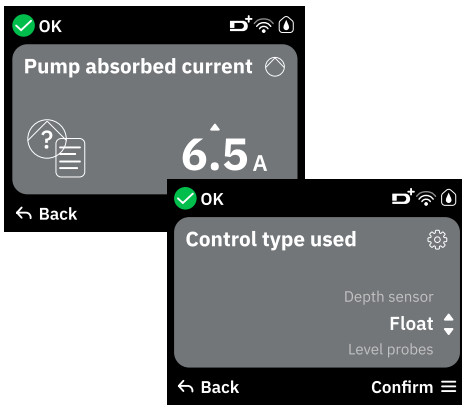
The steps:

- 1) Language and measure system setting
- 2) Choice of operating mode
- 3) Absorbed current setting
- 4) Selection of control type and configuration
- 5) Pump exchange mode (in case of a two-pump installation)



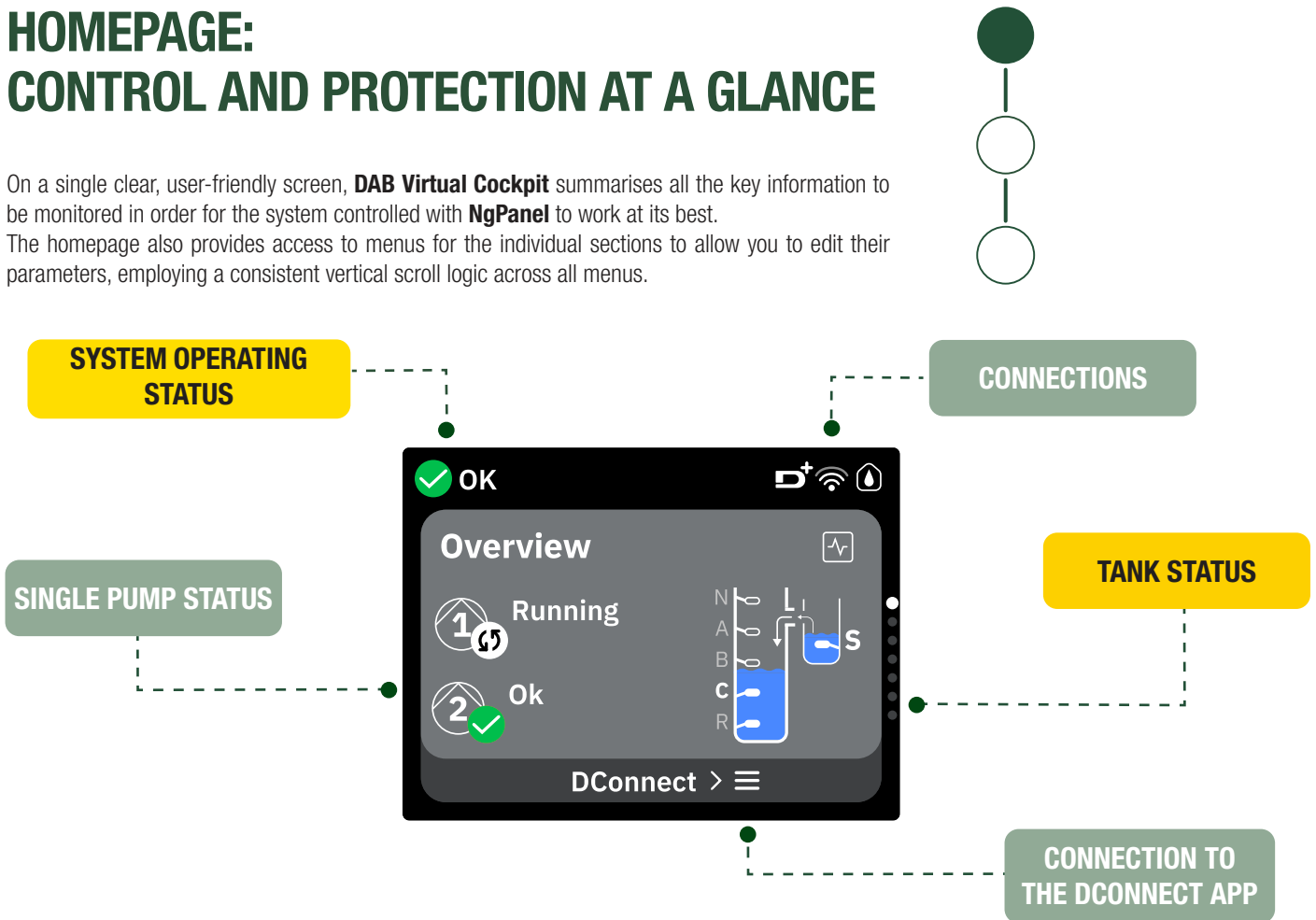
SYSTEM SPECIFIC PARAMETERS

The **2 mandatory basic parameters** to be entered, **instead of starting with factory settings**, provide guidance, helping you set up the system exactly how you need it to be. The need to customise these settings is an added value, resulting in a quality installation, as you can be confident that you've set everything up perfectly to ensure the wastewater management system works as efficiently as possible.



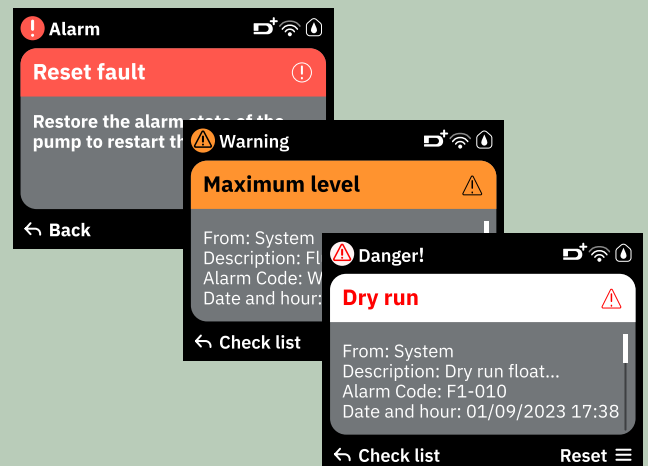
HOMEPAGE: CONTROL AND PROTECTION AT A GLANCE

On a single clear, user-friendly screen, **DAB Virtual Cockpit** summarises all the key information to be monitored in order for the system controlled with **NgPanel** to work at its best. The homepage also provides access to menus for the individual sections to allow you to edit their parameters, employing a consistent vertical scroll logic across all menus.



ALARMS AND WARNINGS LOG

This section records a **log of errors** that have occurred and provides you with the information required to determine why and when the system had issues. This is actually a useful analysis tool to have in your arsenal, helping you keep constant track of the installations' performance.



DCONNECT

DCONNECT. YOUR SYSTEM IS ONLINE





With the new portal and **DConnect** app, you can communicate with **NgPanel** even metres away from the installation — or even from the comfort of your living room — to monitor and control the system in the same way as your day-to-day interactions with the smart objects we're all familiar with.

For example, in situations where accessing the panel is particularly awkward, the local connection can prove useful to finish setting up the system.

And that's just the beginning. When it's online, **NgPanel** manages to harness all the potential offered by **DConnect**, collecting and recording in real time the pumping station's operating data so that they're always available through the mobile app or web portal.

This means you always have full control of the system. **DConnect** not only allows for constant analysis of operating parameters but, with **push notifications**, it alerts you to possible critical issues clearly and simply, thus allowing you to take prompt and effective action on site, being already aware of the reason for the issue. In addition, it can help you prevent possible flooding, which is becoming more and more frequent as a result of climate change.

FEATURES:

-  System monitoring and settings management
-  Dealing with malfunctioning and alarms
-  Planning routine activities
-  Historical data record of the plant status
-  Customer and contract details

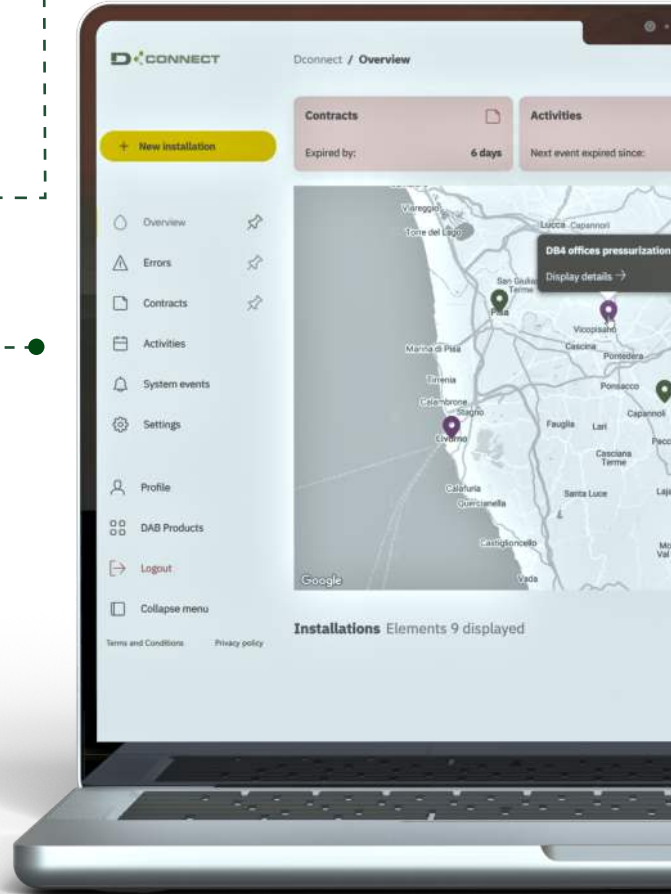
TRY IT,
IT'S FREE!

FREE
12
MONTHS

NgPanel gives you the opportunity to try **DAB's** integrated smart system experience free for a whole year.

ACTIVITY CALENDAR

Whether it's scheduled maintenance or contracts up for renewal, these pages automatically compile a list of all upcoming activities to be carried out, helping you plan your work. As a result, customer service is prompt and flawless, and work is **organised efficiently** as there is less wasting of time and money: by cross-referencing the maintenance calendar and the map of local installations, it's easy to optimise mileage and the time spent travelling, too.



CUSTOMIZABLE HOMEPAGE

The **homepage** can be set up to best suit your individual work requirements and how you're used to doing things*, creating a dashboard tailored to your personal needs: all the information is there at a glance, giving you a full picture of your installations.

And optimizing work hours even more, push notifications are a valuable aid for more effective and convenient management of your day-to-day work, while still giving customers complete peace of mind.

Installation status: OK! (the box goes red ● if something is wrong; and purple ● if the system is offline)



DOWNLOAD ON:



SYSTEM EVENTS

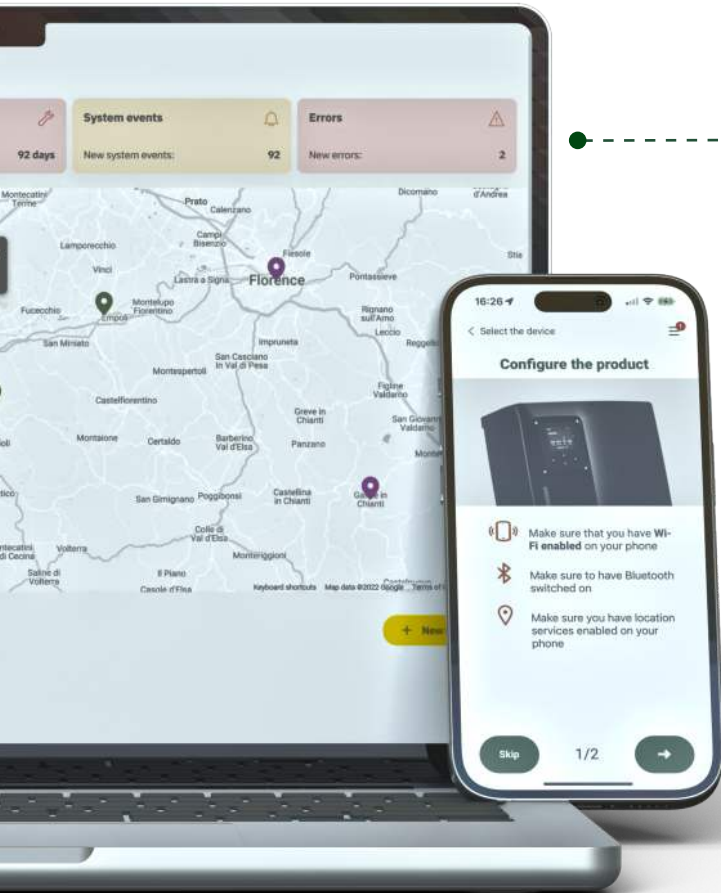
DConnect keeps track of everything that happens on each unit installed: you always know who did what and when. It takes just 1 click to call up the details of the installation that the system event refers to.

ERRORS PAGE

The **errors page** provides a list of systems requiring attention. In other words, all system errors for each installation are displayed here: that way, it's easy to take prompt action to solve the problem before the customer even realises there is one! Moreover, correctly diagnosing the malfunction before you even have people in the field can save you the time required for a site visit and mean you can procure any spare parts needed beforehand.

Again, the colours tell you what sort of issue there is and errors can be filtered by alarm type: systems not running, checks required, or systems offline. Of course, if the icon is green, it means everything's OK.

New errors: the box is red, ● better check!



SYSTEM SECURITY AND RELIABILITY

In compliance with current **GDPR** regulations, **DConnect** meets high standards of security to ensure full data **integrity and protection**. We're constantly reviewing security rules and relevant certificates at regular intervals to ensure we're up to date.

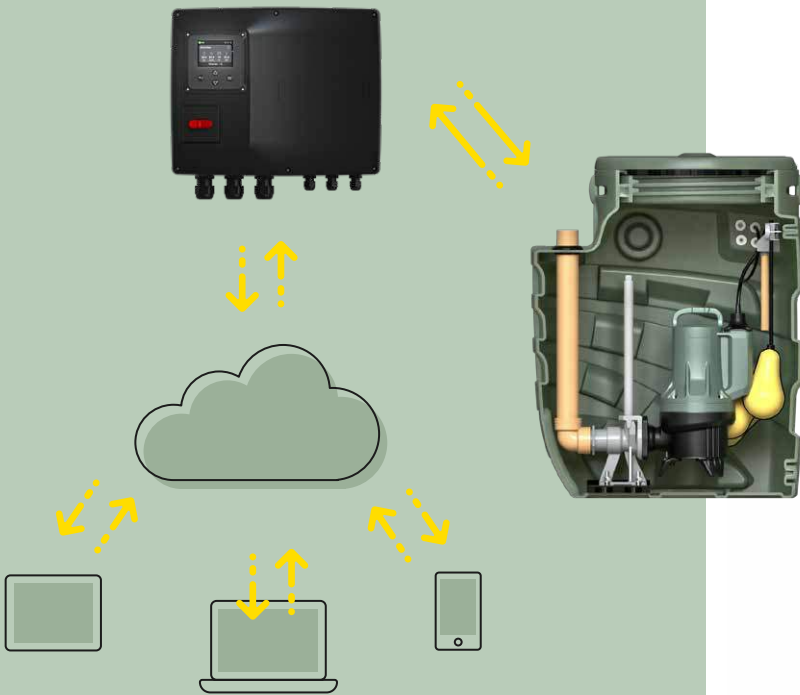


WHAT ABOUT THE RULES?

NgPanel is open to all communication procedures: remote access, on-site control through the app, and integration with building automation systems make it a versatile system that's a breeze to integrate.

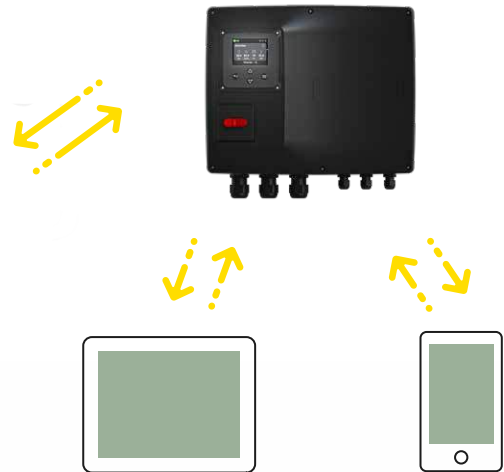
REMOTE ACCESS

Remote access even allows you to **monitor pumping station operation** from the office, or anywhere else with an internet connection. And this means you can take fast action in the event of a breakdown or malfunction.

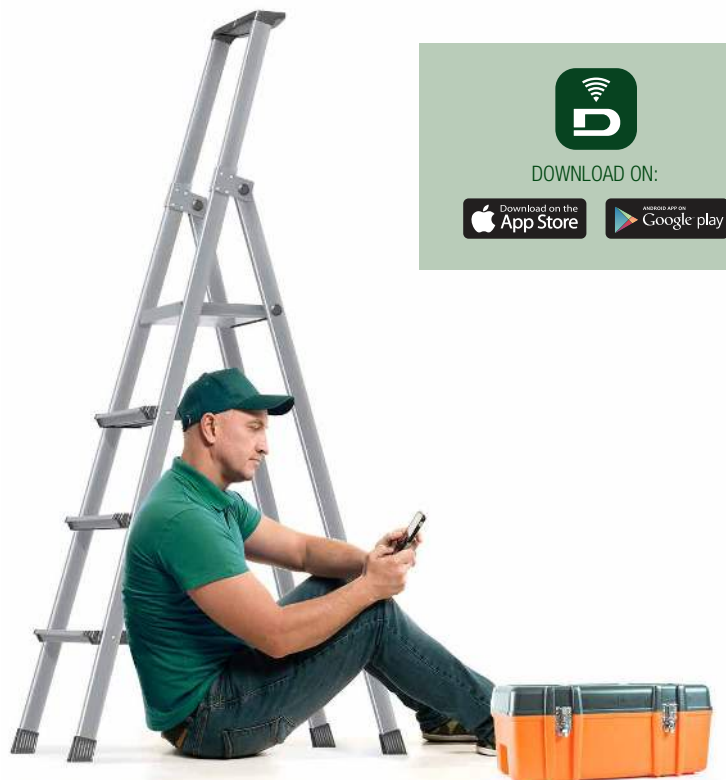
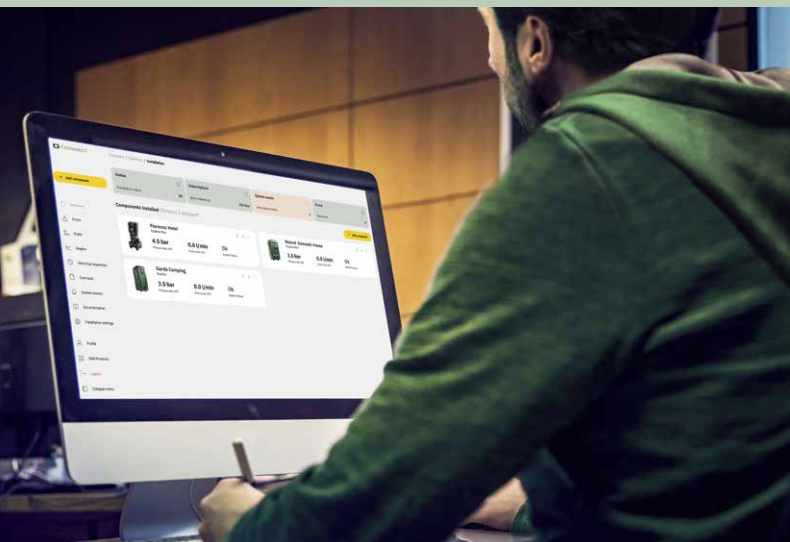


LOCAL ACCESS

The local Bluetooth connection can be used to perform settings or interact effortlessly with the system straight from the **DConnect** app.



DOWNLOAD ON:





FLASHING 230V



FLOAT SWITCH



BULB-FLOAT



ELECTRODE PROBE



DEEP SENSOR



SUBMERSIBLE PUMPS

WHEN THE GOING GETS TOUGH...



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