



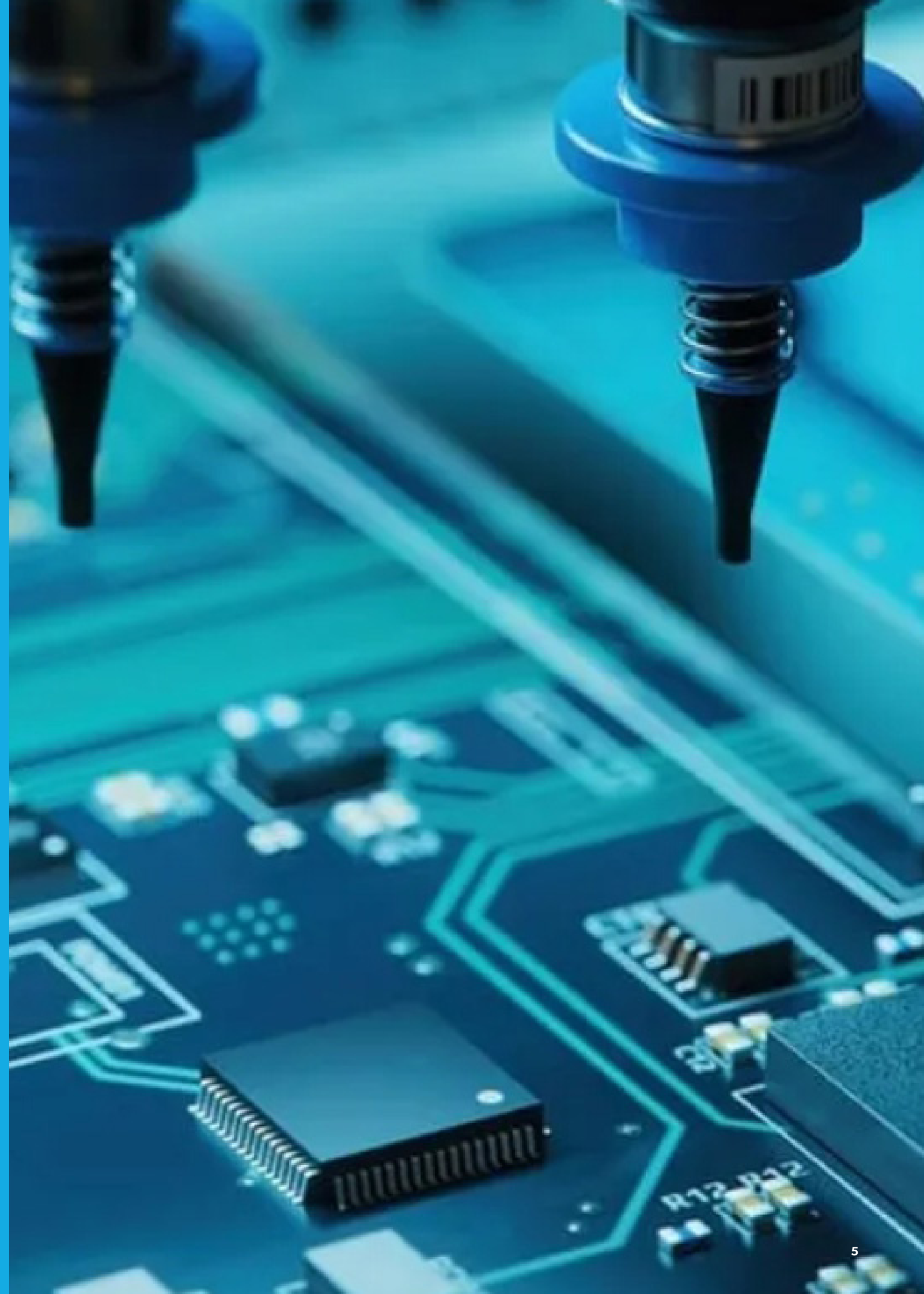
IdroM^{AP}

EACH PRODUCT
IS DESIGNED,
DEVELOPED
AND REALISED
IN-HOUSE

PRODUCTION

INNOVATION IS OUR ENGINE

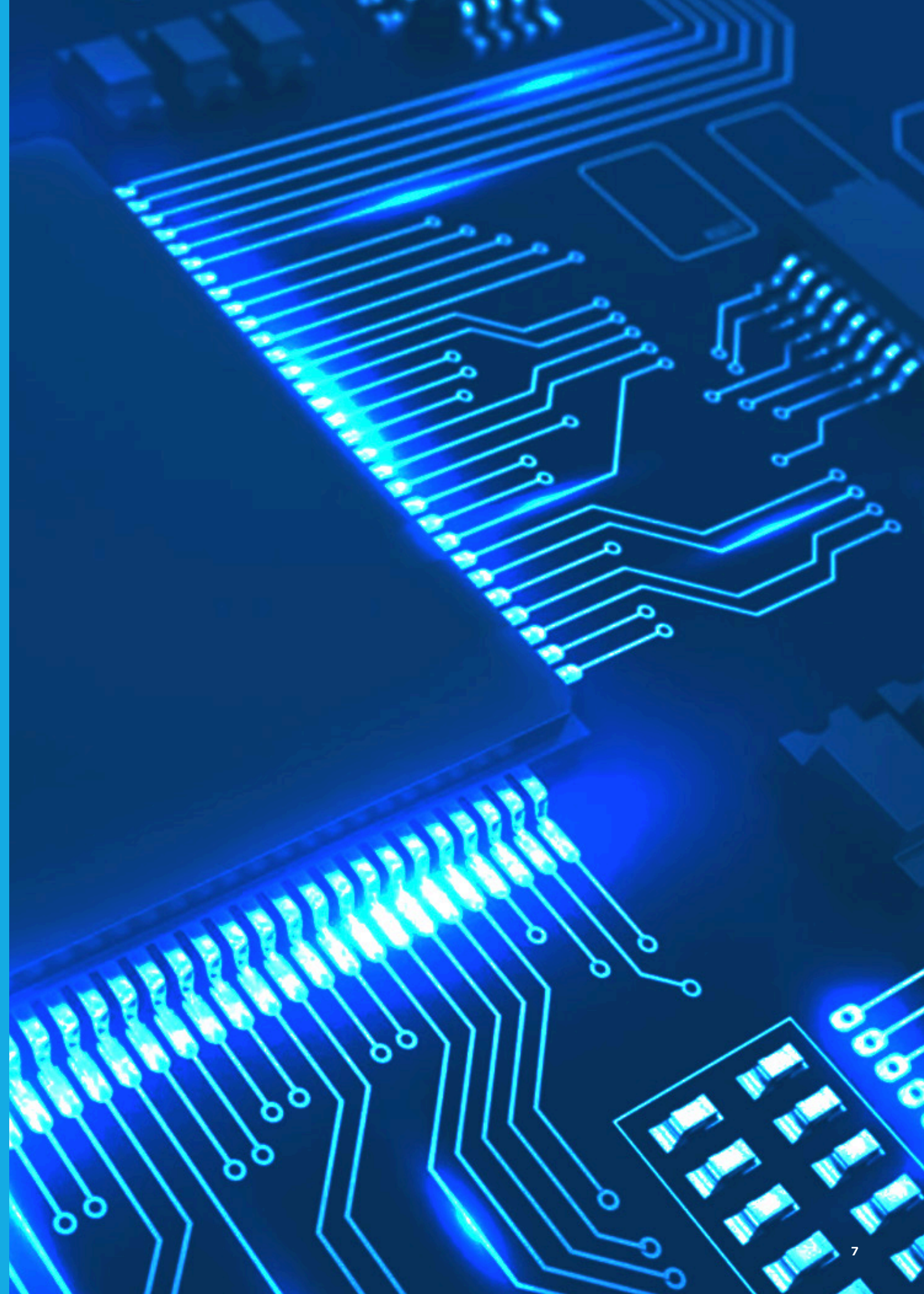
For more than 10 years we have been producing advanced electronic devices for the control of self-propelled agricultural irrigation machines and pumping units for the agricultural and industrial sectors.



HARDWARE & FIRMWARE

OUR TECHNOLOGY IS A CLICK AHEAD

Since our beginnings, we have had the courage to promote remote control, anticipating the market. Now, the facts speak for themselves: remote control is not just a trend, but a necessity.



SOFTWARE

NOT SIMPLE PRODUCTS, IDROMOP IS AN ECOSYSTEM

Our system is integrated.
Each product is interconnected
to offer more complete control and
simple, intuitive work management.



**IRRIGATE WISELY
TODAY TO ENSURE
A TOMORROW
FOR FUTURE
GENERATIONS**

ECOSYSTEM

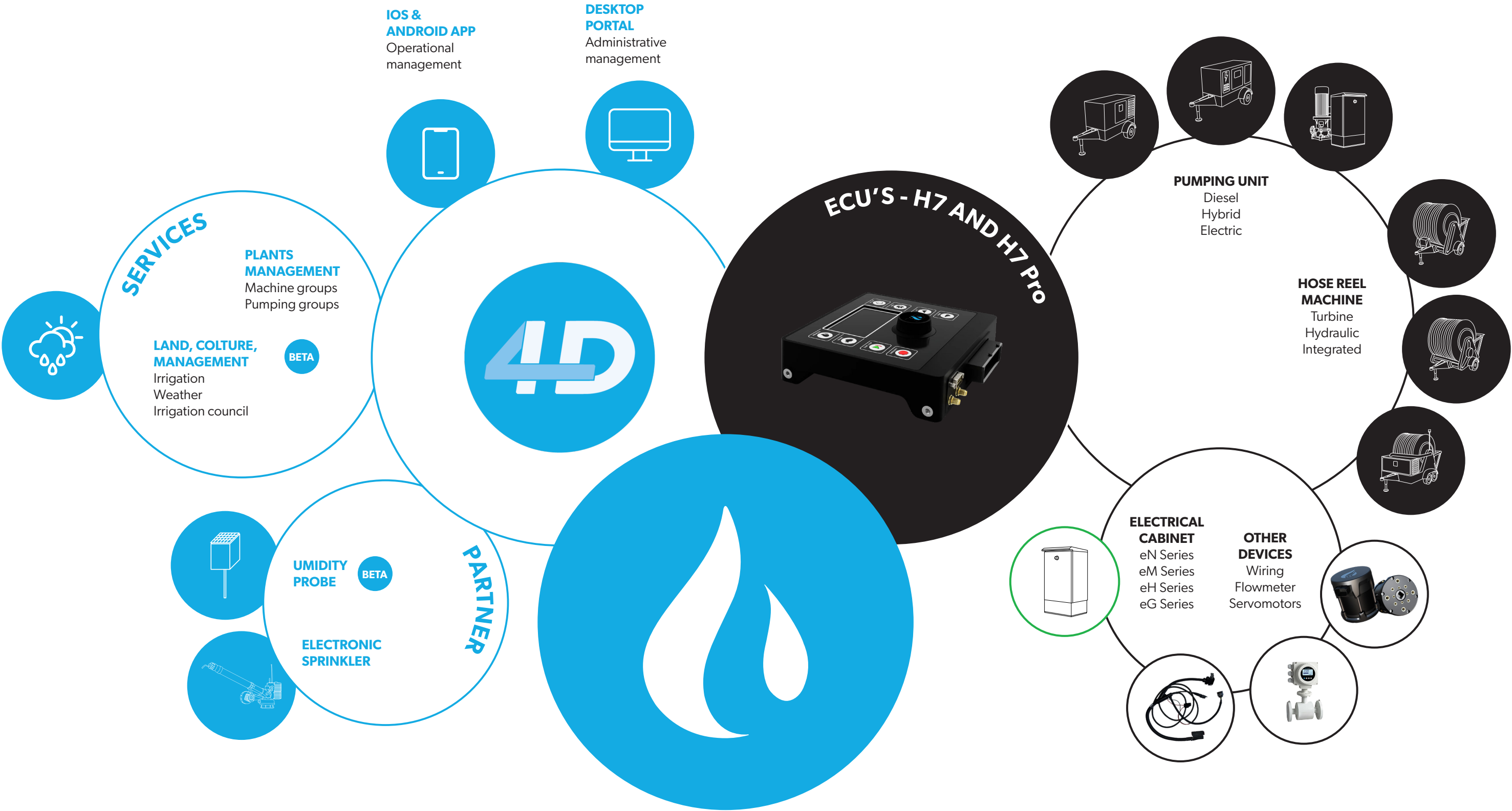
EVERY
DROP
COUNTS



We have realised that we are part of the ecosystem and play an important role in protecting the environment. We are part of nature, not above it. Irrigating in a sustainable way is not a choice but a duty.

IdroMOP is the central core for managing the entire irrigation system of any farm, from the smallest company to the largest consortium. Our technology allows any aspect of irrigation to be optimised by offering complete control of machines, systems and cultures.

ECOSYSTEM



PORTAL ID4 IRRIGATION

WWW.ID4IRRIGATION.COM ADMINISTRATIVE PORTAL

Monitor the status of your machines, irrigation history, analyse recorded data, manage your team and share information with whoever you want.



DEVICES
Overview of all completed irrigations



IRRIGATIONS
Display of selected irrigation details



ACCOUNT
Download the overview or details of completed irrigations in PDF format



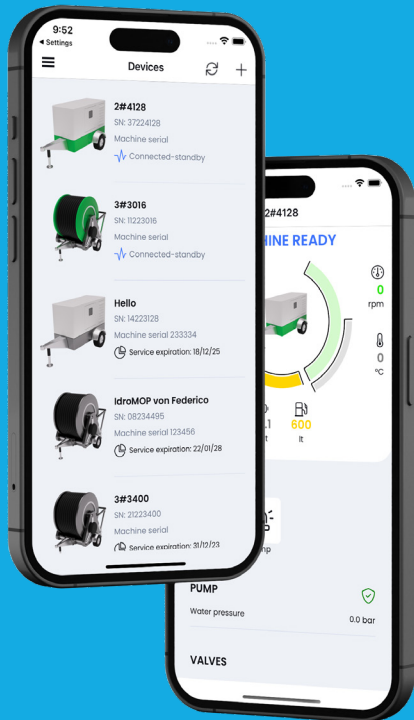
APP MY ID4



ALWAYS UNDER CONTROL FROM REMOTE

ALL YOUR DEVICES AT YOUR FINGERTIPS.

Monitor your fleet, configure your irrigations with scheduled starts or automatic cycles, set duration, working pressure, return speed, rainfall and everything else you need for your irrigation.
Receive timely notifications on the activity status of your ID4 devices and any malfunctions.



ACCOUNT
You can view your data and delete your profile



UMTS
Devices with 2G/3G connection



SETTINGS
You can choose which will be the first page displayed when opening the application



LTE
Devices with 4G connection



PLANTS
You can view connections between devices, create and delete them



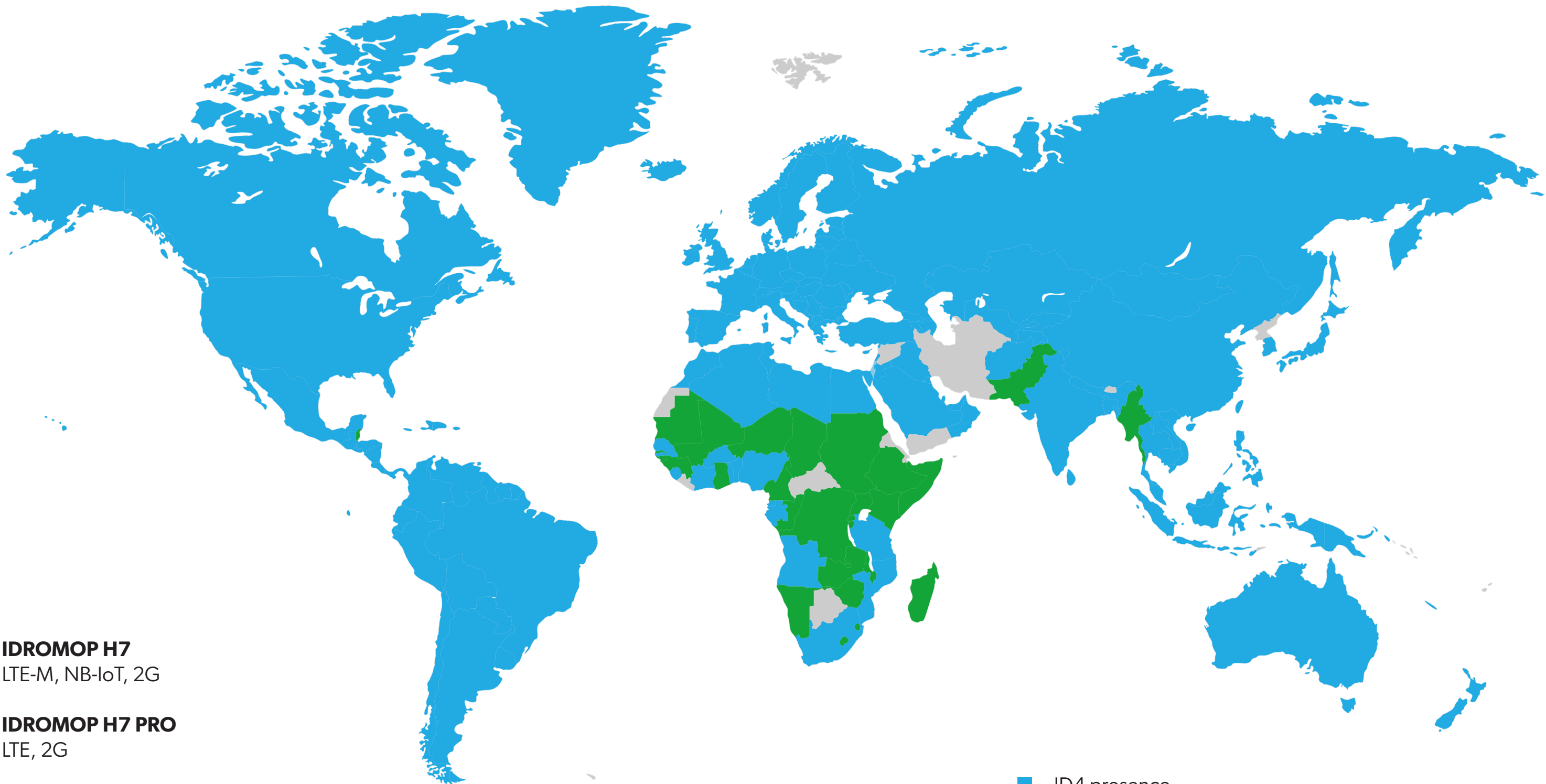
THEME
You can change the background in light or dark

ID4 IS EVERYWHERE

+160
COUNTRIES COVERED
BY OUR SIM

+1M
REGISTERED
IRRIGATIONS

+20K
ID4 DEVICES IN
THE WORLD



IDROMOP H7
LTE-M, NB-IoT, 2G

IDROMOP H7 PRO
LTE, 2G

- ID4 presence
- Coverage on request
- Not covered

FIELD MANAGEMENT

- Improves water efficiency
- Increases crop productivity
- Promotes sustainability
- Reduces operating costs

**AVAILABLE
FROM 2025**



Manage your field holdings through the ID4 portal and take advantage of the services offered to optimise your irrigation.

Once soil characteristics are defined, the system will collect meteorological data, satellite images and field

sensor measurements to provide customised advice on when and how much to irrigate.

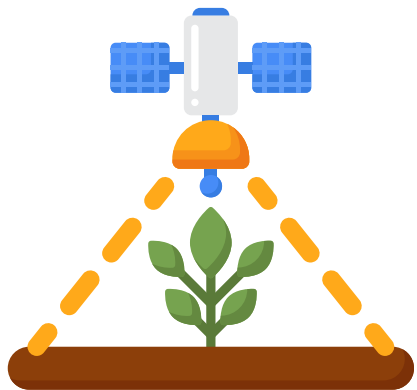
Interactive maps, notifications and detailed reports will be available to support farmers in their daily decisions.

IRRIGATION COUNCIL



METEOROLOGICAL DATA

Historical and daily weather forecasts.
Maximum and minimum temperature, precipitation, wind speed, atmospheric pressure, humidity, UV index, cloudiness, evapotranspiration.



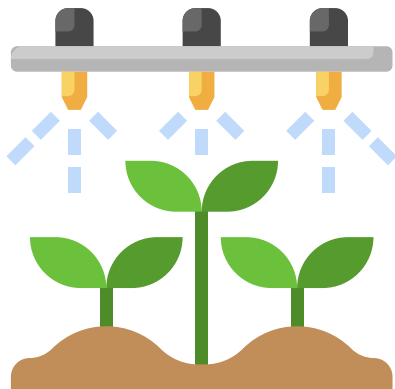
SATELLITE ANALYSES

Sentinel satellite images - 2
with NDVI, EVI, DSWI, NRI, True & False colour,
10x10 m resolution.



FIELD SENSOR

Measure and know the actual water content available at the roots, a representative value for the whole plot.



SCHEDULED IRRIGATIONS

Schedule and control your irrigation completely remotely from the ID4 Irrigation portal and the My ID4 App.

H7 H7 Pro



THE EVOLUTION

The ultimate solution for monitoring all pumping units and irrigation machines in a single device.

New design, unprecedented speed, always connected.

All completely remote.

ROBUST



The weather-resistant polycarbonate shell combined with the bright colour display make the device perfect for use in the field.

The special honeycomb structure, which is strong and lightweight, is specially designed to withstand the working situations that characterize this industry.



The new knob combines the iconic nature of previous models with the latest automotive industry standards for ruggedness, ensuring better accuracy and greater durability.

Specifically designed to work under extreme conditions, it guarantees excellent reliability on all types of machines.

FAST



New beating heart

32 bit

Processor

Up to

165 M

Instructions to the second

Unprecedented speed

x8

Seventh generation

x1

Previous model

Always connected

4G

Removable modem module

POWER



■ AUTONOMY 15 MINUTES

Maintenance of control functions without external power supply

■ NEW PROTECTED POWER OUTPUTS

From short circuit and/or voltage overload

■ ADVANCED DIAGNOSTICS

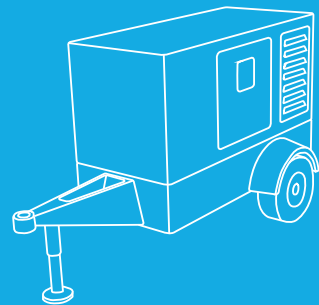
Of all connected peripherals

■ NEW COMMUNICATION INTERFACE

Dual CAN BUS
Opto-isolated RS485

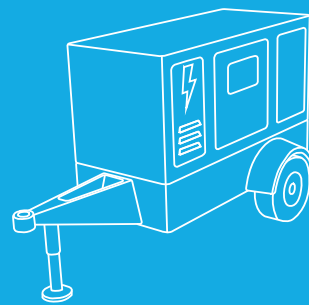
PUMPING UNIT

THE SOLUTION FOR ANY PUMPING UNIT



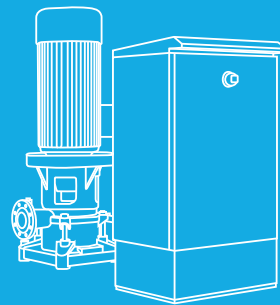
DIESEL

Control of pumping units with mechanical engine or electronic engine or Stage V



HYBRID

Control of pumping units with integration between generator and electric pump with inverter control



ELECTRIC

Control of pumping units with electric pumps

INVERTER

IdroMOP enables the complete management of inverters for control of electric motors, offering considerable advantages in terms of efficiency, energy savings and precision in management of water resources. These devices allow you to adjust the speed of the motors with extreme precision adapting the water flow to specific crop needs.



STAGE V

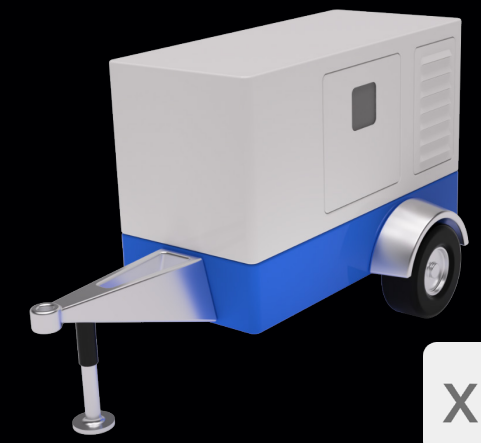
The use of Stage V compliant engines allows a significant reduction in emissions. IdroMOP devices adopt the best strategies in compliance with Stage V regulations. Supervision of particle filter clogging, verification of additive quality and level, and control of engine oil contamination are just some of the functions built into our IdroMOP devices.



PUMPING GROUPS

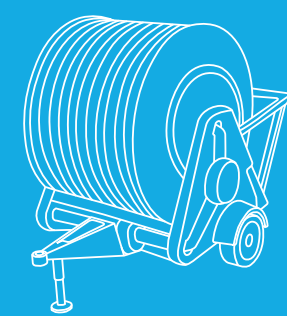
Through the ID4 platform it is possible to connect up to 8 motor pumps, or electric pumps, and have them work as a single entity.

Start, stop and operating point of all pumps will always be synchronised and in the event of a fault, the entire pumping unit will be stopped in a controlled manner.



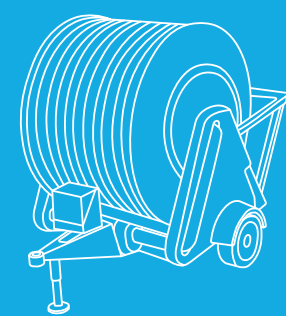
HOSE REEL MACHINE

THE SOLUTION FOR ANY
HOSE REEL MACHINE



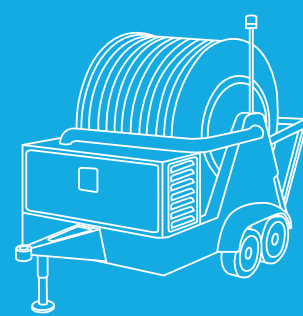
TURBINE

Irrigation machine control with turbine return



HYDRAULIC

Irrigation machine control with hydraulic return



INTEGRATED

Irrigation machine control with integrated pumping unit

ELECTRONIC SPRINKLER

IRRIGATE IN THE BEST WAY THE DESIRED SURFACE AREA WITHOUT UNNECESSARY WASTE

The interface between the control unit and the electronic sprinkler allows for a uniform and circumscribed distribution of water to the target area.

Cross-checking between the GPS position of the machine and the electronic sprinkler guarantees absolute precision on the return speed and timing of irrigation.



PLANT MANAGEMENT

ONE PUMP, UP TO 5 REELS

Forget about starting and switching off your pumping unit, the irrigation machines will do it.

The first machine to start a new irrigation will start the pumping unit, the last machine to finish watering will switch it off.



2 MODELS

IdroMOP H7

- Pumping unit control with endothermic motor and mechanical pump
- Control of irrigation machines with turbine and hydraulic return
- CANBUS for IdroMOP peripherals
- LTE-M, NB-IoT and 2G network coverage



IdroMOP H7 Pro

- Pumping unit control with endothermic motor and mechanical pump
- Control of irrigation machines with turbine and hydraulic return
- Irrigation machine control with integrated pump unit
- CANBUS for IdroMOP peripherals
- CANBUS for electronic motors
- RS485 opto-isolated
- LTE and 2G network coverage
- GNSS Geolocation



MAIN FUNCTIONS

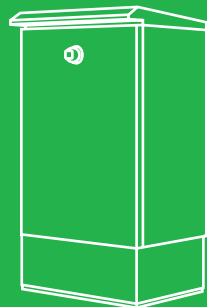
- Automatic pump priming
- Discharge valve management
- System filling control
- Periodic work cycle management
- Programmable irrigation duration up to 48 hours
- Motor, system and electrical protection
- Instantaneous flow control
- Manual motor speed setting
- Automatic water pressure adjustment
- Operating hours counter
- Maintenance warning
- High/low pressure valve management, bypass and auxiliary sprinkler
- Protection and motor control for hydraulic system
- Re - entry speed and/or rainfall adjustment
- Management of pre/post irrigation times
- Automatic pause for lack of water and/or wind intensity
- Change of return speed for up to 4 sectors
- Operating hours counter
- Electronic sprinklers interface

TECHNICAL SPECIFICATIONS

SIZE	192,50 X 19,75 X 61,50 MM
WEIGHT	850G
CASE	ABS + PC
PROTECTION	IP66
POWER SUPPLY	9 – 30 VDC
ABSORPTION	100 – 220 MA
RADIO	
COVERAGE	165 COUNTRIES
H7 NETWORK	LTE-M, NB-IOT, 2G
H7 PRO NETWORK	LTE 2G
GEOLOCATION	GNSS

ELECTRICAL CABINET

THE SOLUTION FOR ANY
ELECTRICAL CONTROL SYSTEM



eSERIES

OUR SOLUTION INOX WITHOUT COMPROMISE



WEATHER-RESISTANT

The absence of critical cuts on the sides offers the best protection from the elements.
The panel is electrically welded to the highest standards, without external screws.

GENEROUS AIR FLOW

Thanks to the upper roof, ventilation is specially designed to ensure a generous and constant flow of fresh air, avoiding the internal recirculation of warm air.

SAFE

A single key and an illuminated emergency button located on the main door.
The inner door does not allow direct contact with mains voltage while working.

POWER



- Automatic motor identification
- Phase loss detection
- Overvoltage monitor
- Undervoltage monitor
- Drive overtemperature protection
- Motor overtemperature protection
- Motor short-circuits and earth-fault protection
- Monitoring and stall protection
- Motor overload monitoring and protection
- Multiple pump control
- Frost protection
- Anti-condensation protection
- Anti-cavitation protection
- Pump cleaning

CONTROL



- Motor parameterisation
- Automatic pressure adjustment
- Manual frequency control
- Setting of watering times and cycles
- Full diagnosis
- Internal temperature control
- Internal humidity control
- Full remote control via My ID4

VERSIONS eSERIES



e > e²

In the eM, eH and eG versions a soft-start can be added to control another pump.

eN

- | | |
|--|---|
| Size
400x650x350 mm | Features <ul style="list-style-type: none">■ Single door■ Double key■ Fan and filter |
| Power
4, 5.5, 7.5, 11, 15 kW | |

eM

- | | |
|---------------------------------------|--|
| Size
600x850x400 mm | Features <ul style="list-style-type: none">■ Double door■ Single handle■ Fan and filter■ Heating |
| Power
22, 30, 37, 45, 55 kW | |

eH

- | | |
|-------------------------------------|---|
| Size
800x1250x500 mm | Features <ul style="list-style-type: none">■ Double door■ Single handle■ Double fan and filter■ Heating |
| Power
75, 90, 110, 132 kW | |

eG

- | | |
|----------------------------------|---|
| Size
800x1450x500 mm | Features <ul style="list-style-type: none">■ Double door■ Single handle■ Double fan and filter■ Heating |
| Power
160, 200, 250 kW | |

ONE SOLUTION ALL INSTALLATIONS



CHASSIS

The framework can be attached to any metal structure even from below



FIELD

The framework can also be fixed in the middle of farmland by special screws



WALL

Quick wall installation via rear threaded holes or support brackets with anchor plugs



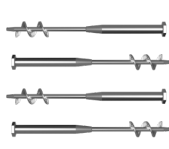
Cover



Plinth



Plate



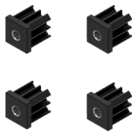
Screws



Brackets



Anchors



Square cork



Plinth

OTHER DEVICES

FLOWMETER



**ELECTROMAGNETIC,
WITH NO MECHANICAL
MOVING PARTS**

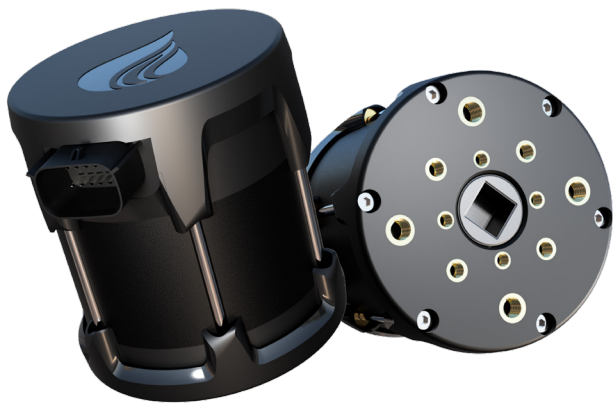
**DIAMETER
NOMINAL**

80 / 100 / 125 / 150 / 200

FEATURES

- Supply voltage: 9-32 Vdc
- PTFE inner lining and SS316L electrodes
- No pressure loss
- 99,5% accuracy on measurement
- Can measure flow in both directions
- Not affected by temperature, pressure and density of the liquid
- Maximum working pressure: 16 bar

SERVOMOTORS



2 MODELS, ALL TYPES OF VALVES

VERSIONS	40 NM	160 NM
Compatible valves	■ Ball up to 2" ■ Butterfly up to 3"	■ Ball up to 4" ■ Butterfly up to 8"
Motor pump applications	■ Priming	■ Delivery
Sprinkler applications	■ Output ■ Auxiliary sprinkler	■ Input

FEATURES

- Mechanical limit switch
- Automatic zero search
- Manual / automatic control
- Position control with 1° accuracy
- Opening / closing speed control
- Mounting with 9, 11, 14 mm square shaft
- CAN BUS communication line

CUSTOMISED WIRING



COMPLETE SERVICE ALSO IN INSTALLATION

We offer a variety of cabling solutions to suit every type of machine to ensure easy, fast and reliable installation.

Upon request, IdroMOP can design and manufacture customised wiring harnesses with high quality standards.

All produced wiring harnesses are tested in-house.

ACCESSORIES



**Speed
sensor**



**Pressure
transducer**



**Vacuum
sensor**



**Linear
actuator**



**Magnetic antenna
4G high gain**



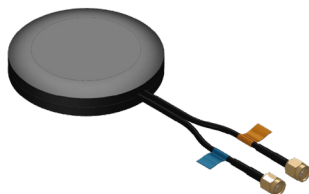
**Pulse
anemometer**



**Magnetic antenna
GPS/GLONASS**



**Magnetic
antenna 4G**



**Magnetic antenna
4G+GPS**



**IRRIGATION
HAS NEVER BEEN
SO EASY**

IdroMap



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