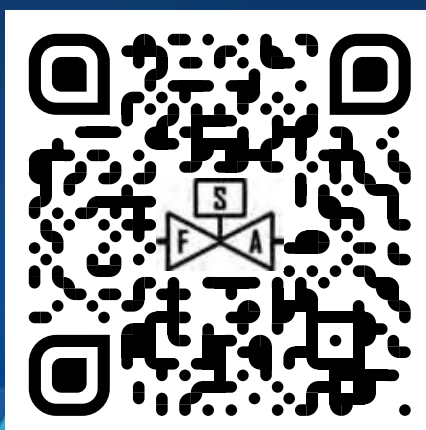




Test the features now!



irrigation.cloud#demo

YOUR CONTACT PARTNER

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THE FUTURE OF IRRIGATION



EXPERIENCE THE DIFFERENCE!

irrigation.cloud

It's getting hot!

In recent years, there have been more and more periods of prolonged drought. In Central Europe, we are still quite careless with the precious commodity of water, but it is becoming increasingly important to use the few resources sensibly and sparingly!



Our solution

- Save 70-90% water with smart programming
- Smartphone, Tablet and PC
- Integration of soil sensors
- Can be retrofitted and expanded as required
- Made in Germany
- Unbeatable price-performance ratio

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my.irrigation.cloud

Full control always and everywhere

70 - 90 % water
savings through
smart irrigation!

All valves, sensors and
external information in
one central system

Integration of
weather app and
climate data

Controlled in browser, on
Tablet and
via Smartphone

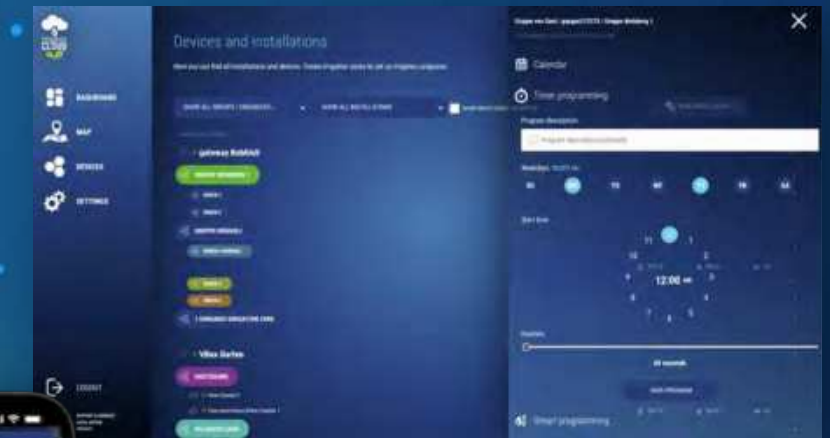
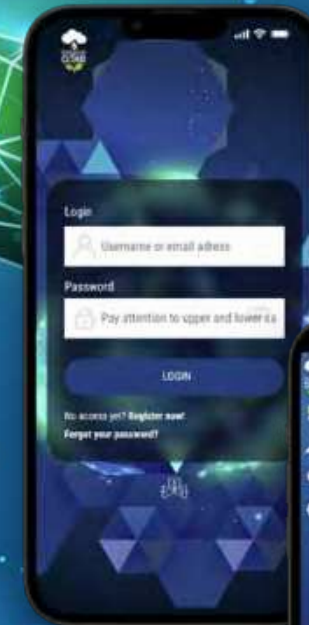
Flexible assignment of
valves and sensors to
irrigation zones

Individual messages via
e-mail or on the
dashboard

Flexible
user management with
different user groups
and authorizations

Open API for connecting
external sources, such as
own weather stations

Integration of your own
aerial images or
installation plans



Intelligent programming of the zones

- Manual switching (depending on hardware)
- Weekly timer programming
- Programming of specific times incl. interface to the calendar
- Intelligent programming „If - Then“
e.g. „If there is no rain in the next 24 hours with probability > 30% and soil moisture < 20% - then irrigate the next morning from 04:00 AM for 30 minutes“





Why an intelligent, fully automatic irrigation?

Our irrigation system supplies exactly the amount of water needed for healthy plant growth.
We pay particular attention to efficiency and even water distribution so that not a drop is wasted.

Smart irrigation uses weather data and forecasts, combined with current sensor data if installed,
to ensure the optimum amount of water at all times, even during droughts and heatwaves.

**Irrigate efficiently -
Save 70-90% water**

**Healthier plants,
less risk of
diseases and
pests**

**Adaptability
thanks to integration of
weather app and
climate data**

**Long-term
cost savings
and less
workload**

**Controlled in browser,
on Tablet and
via Smartphone**

**Flexible assignment of
valves and sensors to
irrigation zones**

**Even
water distribution**

A beautifully colorful garden - throughout the year!

An investment in your well-being - and of course in the environment.

With **irrigation.cloud**, you have the possibility of watering your entire garden automatically.

You retain full control over what is happening in your garden via your Smartphone.

You no longer need a neighbor to irrigate your garden when you are on vacation.

Just sit back and enjoy your time in the garden while our system does the work for you.



Our service for your garden

- From consultation to handover, you're always in expert hands
- Receive a complimentary on-site survey with aerial drone imagery as the foundation for planning
- Get a free preliminary cost estimate within days
- Enjoy predictable costs with flat rates, such as excavation per m
- Experience minimal impact thanks to perfectly synchronized technology
- Access a full range of technologies, from lawn sprinklers to drip hoses and micro-drip systems
- Benefit from our extensive experience in industrial automation, enabling us to handle complex integrations like pump systems and cisterns
- One-stop-shop convenience – even for tasks subcontracted to specialists like electrical connections or excavation, you'll have a single point of contact
- Receive handover, training, and instruction directly from our team
- Ongoing support and service post-commissioning
- Explore additional services like winterization, maintenance, expansion, and more

irrigation.cloud | The future of irrigation

Your facility - perfectly maintained and without any staff to irrigate

Even with increasingly hot and dry summers, always a perfectly irrigated outdoor area:

Thanks to irrigation.**cloud**, you always have irrigation - regardless of the size and the number of locations - centralized in one system.

With our intelligent irrigation programming, the system continually adapts to real-time weather and environmental conditions, freeing you from the hassle while ensuring your outdoor areas receive impeccable care.

Through the integration of cisterns with pump control, you not only enhance your Sustainability Score but also elevate your employees' satisfaction with a comfortable atmosphere.

AND HERE'S THE BEST PART - compared to an external service provider that waters during the summer, an irrigation.**cloud** fully automated system pays for itself in less than 2 years!



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Win-win situation for the landscaping industry - made for professionals and loved by the customer



Our service for landscapers, civil engineers and all other integrators

We offer a complete range of services from planning to commissioning, all of which can be flexibly tailored to your specific needs

- On-site assessment and planning
- Project design and Bill of Materials (BOM)
- Supply of materials and tools, including the rental of specialized equipment
- Utilization of service modules such as marking, excavation, installation, pressure testing, plumbing and electrical connections, commissioning, setting up WiFi or 4G hotspots, customer handover and instruction, repairs, spare parts, winterization, and much more!
- **Our goal is your success!** We are seeking partners who can install our systems on-site for their customers.

Your project is our mission!

Right from the start, we developed irrigation.cloud for use by professionals in landscaping:

Thanks to sharing the installations, you can access your customers' installations remotely. To ensure that the irrigation works reliably, we have integrated sensors such as flow meters and soil moisture sensors. Thanks to smart programming, the systems run almost maintenance-free once they have been properly adjusted. The irrigation.cloud is infinitely scalable and extremely easy to retrofit.

You always have full control, whether you're managing just one customer or hundreds!

Made in Germany – For unique requirements, feel free to reach out to us anytime, and we can swiftly and seamlessly integrate relevant features.

Top Value for Money! Compared to our direct competitors, our systems are noticeably more affordable despite delivering significantly higher performance!



A woman with long brown hair tied back, wearing a dark blue shirt, is leaning over a long table in a greenhouse. She is carefully tending to a row of green leafy plants. The greenhouse has a high ceiling with large skylights, and the background is filled with more rows of plants and the structure of the building. The lighting is warm and natural, coming from the skylights.

For agriculture and professional nursery

We offer innovative technologies for a wide range of applications, from agriculture and nurseries to greenhouse operations. Our services span from supplying raw materials to complete turnkey projects, including installation and commissioning. The versatile use of sensors and actuators, all the way to fully automated systems, provides the perfect solution for every need.



Our service

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VBox WiFi

irrigation.cloud VBox

Basic structure	Valve box with controller
Range of coverage	20 - 50 m
Gateway necessary	No
Repeater possible	Yes
Mobile network connectivity required	No
Line of sight required	No
Special features	Quick and easy installation and commissioning, Underground installation
Ideally suited for	small areas, home & garden
Valves/sensors	up to 8 classic valves per box
Application examples	Home & garden, clubs, companies, hotels

The WiFi controller is installed directly in the valve box!

The VBox WiFi Controller is built directly into the cover and powered, eliminating the need to mount a controller on any wall, in line with our motto

»invisible technology - visible success!«

irrigation.cloud WiFi VBox Controller

- 8 outputs for up to 8 valves
- Classic solenoid valves can be used
- 8 inputs for flow meters
- External voltage 24V AC, 24V DC or 230V AC
- All valves individually programmable as a zone
- Connection via WiFi
- Even in the event of an internet outage, the controller continues to execute the programmed intervals



Tap timer

irrigation.cloud Tap timer

Basic structure	Bluetooth, WIFI optional
Range of coverage	20 - 50 m
Gateway necessary	Yes
Repeater possible	No
Mobile network connectivity required	No
Line of sight required	No
Special features	Amazon Alexa, Google Home, IFTTT and many other smart home systems compatible
Ideally suited for	Small areas, home & garden
Valves/sensors	None
Application examples	Home & Garden, Clubs

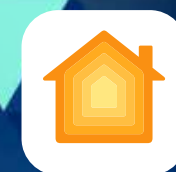
Easily upgrade to smart irrigation with our Tap timer

The Tap timer is easily connected to an outdoor water faucet and linked to a sprinkler or oscillating sprinkler via a hose. Programmable locally via Bluetooth and can also be used as a valve in the irrigation.cloud system with a WiFi-Hub!

Simplified interface for residential customers

Remote control accessible for landscape gardeners
Operation via smartphone or from the cloud
Integration with Alexa, Google Home, Apple Home, IFTTT, Smart Life

amazon alexa



irrigation.cloud Tap timer

- Locally programmable via Bluetooth
- Integrate into irrigation.cloud with WiFi-hub
- Intelligent irrigation directly at the water faucet
- Operation with 4x AA batteries
- Manual control at the touch of a button
- Up to 128 Tap timers per hub





ESPNow

Battery-operated valves and sensors
No cables or electricity required
7 - 15 years without changing batteries!

irrigation.cloud
ESPNow

Basic structure	Gateway, repeater, actuators and sensors
Range of coverage	120 - 150 m
Gateway necessary	Yes
Repeater possible	Yes
Mobile network connectivity required	Yes
Line of sight required	No
Special features	Very good coverage through own network
Ideally suited for	Small to medium-sized areas, high actuator density
Valves/sensors	many
Application examples	Viticulture, fruit and vegetable cultivation, recreational land

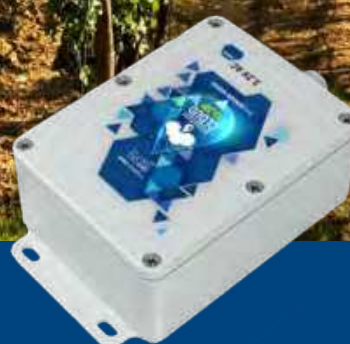


irrigation.cloud ESPNow Motorized ball valve

- Sizes from ½" to 2", brass and stainless steel
- 2-way and 3-way options
- IP 67 - Permanently waterproof and UV-resistant
- Battery operation: 7 - 15 years without replacement
- Commissioning on-site via the app
- Assignment to zone in irrigation.cloud
- Install - Sign In - Done!

irrigation.cloud ESPNow Sensor module

- Universal sensor: digital, analog and RS485
- IP 67, permanently UV-resistant
- Incl. soil moisture sensor with 2m cable
- Battery operation 7 - 15 years without replacement
- Commissioning on site via app
- Assignment to zone in irrigation.cloud
- Install - Sign In - Done!



irrigation.cloud ESPNow Sensors

- Connection to sensor module
- Flow meter
- 7in1 sensor: NPK, EC, PH, humidity, temperature
- Further sensors can be integrated as well



irrigation.cloud ESPNow Gateway

- Communicates with irrigation.cloud
- Incl. solar panel and 10Ah battery (optional without solar with power supply)
- Incl. SIM card (GSM, 3G, 4G)
- Automatic connection when power supplied
- Available with redundancy and as a repeater





Blu-Lock is the 'Push & Go' technology. You no longer need tools, clamps, glue, or solvents for assembly with the Blu-Lock technique. All parts are detachable and reusable – an environmentally friendly alternative to PVC pipes.



DRY OR
WET



NO WAITING
TIMES



FAST



360°
ROTABLE



HOT OR
COLD



SIMPLY
PUSH



RELEASABLE



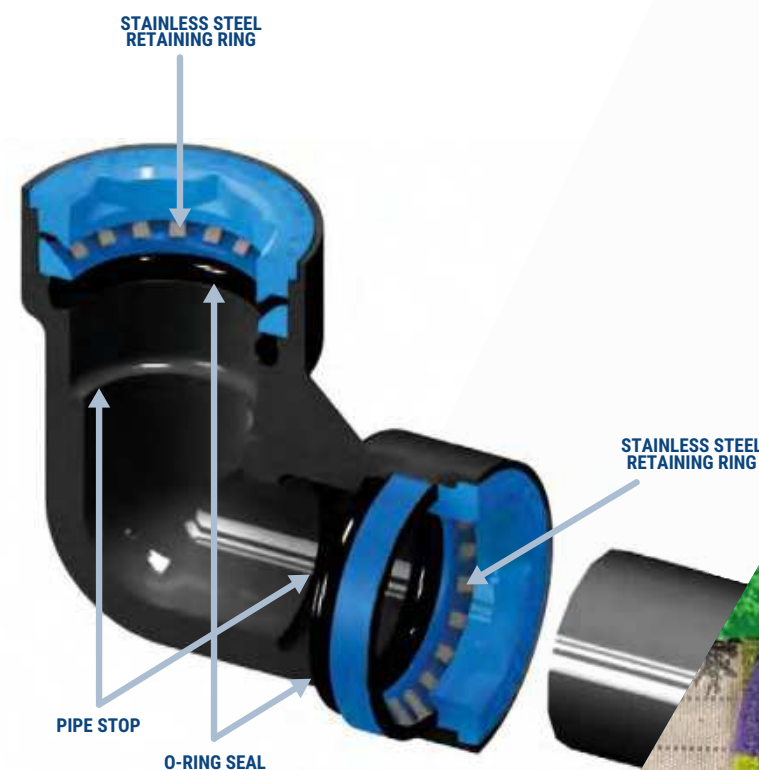
MAX.
FLOW RATE

Blu-Lock

Innovative „Push & Go“ technology

Advantages at a Glance

- Robust fittings with internal parts made of stainless steel
- UV-resistant
- EPDM seal for high resistance
- Environmentally friendly and recyclable
- Quick installation



Sprinklers and Nozzles

Fixed or with gear for rotation

For efficiently irrigating larger areas, especially flat lawns, sprinklers are buried in the ground. This includes gear-driven sprinklers that cover large radii of up to 12m, which can be adjusted in angle and limited in throw distance. There are also pop-up sprinklers that are buried in the ground and rise up when water pressure is applied, irrigating a fixed radius and opening angle.

The challenge in planning is to provide complete coverage of the entire area with as few sprinklers as possible while designing zones in such a way that, firstly, no areas that shouldn't get wet, such as terraces, are irrigated, and secondly, the pump or water supply pressure is sufficient to ensure even irrigation of the entire area.



Spray angle adjustable
simply by turning

The spray head is
automatically lifted
by the water
pressure and
retracted by a
return spring.

All nozzles incl.
particle filter





Drip Hoses

- Ideal for perennials, flower beds, hedges, and potted plants
- Filter at the emitter inlet - excellent clog protection
- Uniform inner diameter regardless of wall thickness
- Resistant to chemicals and liquid fertilizers used in agriculture
- Various drip spacings starting from 15cm, also compatible with emitters
- UV-resistant



Soaker Hoses

- Ideal for expansive flower beds, long rows of plants, hedges, and shrubs
- Uniform water distribution along the entire hose
- Efficient and consistent soil moisture directly at the roots
- Resistant to chemicals and liquid fertilizers used in agriculture
- Significantly higher water output per hour
- UV-resistant



Micro-Drip-System

- Ideal for densely planted areas, landscaping, gardens, and potted plants
- Significant water savings, reduced evaporation
- Efficient and consistent soil moisture directly at the roots
- Resistant to chemicals and liquid fertilizers used in agriculture
- Assembly without the need for adhesives or clips
- UV-resistant



Drip Irrigation

The right supply system for every application

Drip irrigation systems are an incredibly efficient method for watering plants and can be used in a variety of environments, from agricultural fields to urban gardens and greenhouses. By delivering water precisely to the plant roots, they minimize water loss due to evaporation or runoff, making them especially valuable in dry climates or during water restrictions, where they can save over 70% of water.

Reducing surface water also promotes weed control and

prevents fungal diseases favored by stagnant water. Drip irrigation allows precise control over the amount of water each plant receives, leading to more efficient growth and higher yields. This system is not only environmentally friendly but also economically advantageous, resulting in long-term savings on water and maintenance costs.

Sprayer, dripper and emitter

Depending on the application, the correct use of sprayers, droppers, and emitters, which allow you to adjust the water quantity in l/h (liters per hour), ensures the perfect distribution of water, ensuring that each plant receives exactly the right amount of water!





Pumps and accessories

Everything you need... and more!

An irrigation system is only as good as its weakest link. To ensure reliable operation, it's not just sprinklers and hoses that matter, but the design process begins with water supply. Whether it's a cistern, well, public network, or rain tanks, thanks to years of experience in hydraulic engineering, we always find the ideal concept for you and design it in a way that the entire system operates smoothly and reliably in the long term.



Service and maintenance

How can we assist you?

For long-term and reliable operation, maintenance is just as crucial as the quality of the components. Larger systems should be prepared for winter by using compressed air to remove the remaining water - a process known as

winterization. It is also recommended to periodically check all components, clean or replace filters, and inspect all mechanical and electrical parts for proper functionality.

YOU CAN ACCESS THESE SERVICES AND MUCH MORE FROM US, ALL UNDER ONE ROOF - ENSURING LONG-LASTING ENJOYMENT OF YOUR IRRIGATION SYSTEM AND YOUR LUSH GREEN GARDEN!

5 steps to a fully automatic irrigated property

1. On-site, drone-based footage is captured of your property to facilitate precise planning.
2. Subsequently, we use the footage to create an initial plan along with a quotation.
3. Upon receiving budget approval, we proceed with detailed planning and send the final quotation.
4. After acceptance of the quotation, work on your property commences.
5. The last step involves handover and system instruction.

We are also more than willing to handle maintenance and additional service work for you after the project's completion.





Our service items

Can't find what you're looking for? Contact us!

Stage	Item	Description
Planning stage	S-B-P-100	Planning Fee per 100m² lawn area or 100m of drip hose, soaker hose, or micro-drip system
Preparation	S-B-V-A50	Travel Fee per started 50km one-way trip
	S-B-V-100	Marking Work per 100m² lawn area or 100m of drip hose, soaker hose, or micro-drip
Excavation work	S-B-G-N	Excavation Work per meter (normal conditions)
	S-B-G-S	Excavation Work per meter (difficult conditions, e.g., very rocky soil)
	S-B-G-VK	Excavation Work per small valve box
	S-B-G-VG	Excavation Work per large valve box
	S-B-G-SN	Excavation Work per sprinkler (normal conditions)
	S-B-G-SH	Excavation Work per sprinkler (difficult conditions)
Installation work	S-B-E-BL	Installation Work per meter of Blu-Lock piping, including fittings
	S-B-E-VK	Installation and Connection of a Small Valve Box
	S-B-E-VG	Installation and Connection of a Large Valve Box
	S-B-E-PS	Installation and Alignment of a Pop-Up Sprinkler
	S-B-E-GS	Installation and Alignment of a Gear-Driven Sprinkler
	S-B-E-TS	Installation and Connection per meter of drip/soaker hose
	S-B-E-MD	Installation and Connection per meter of micro-drip system
	S-B-E-EL	Electrical Connection (per hour)
	S-B-E-S	Plumbing installation (per hour)

Stage	Item	Description
Backfilling	S-B-F-L	Backfilling per meter of trench
	S-B-F-VK	Backfilling per small valve box
	S-B-F-VG	Backfilling per large valve box
Commissioning	S-B-I-DT	Pressure Test per meter of Blu-Lock, hose, or micro-drip
	S-B-I-V	Commissioning and Testing of a valve box (flat rate)
	S-B-I-PS	Commissioning and Adjustment per Pop-Up Sprinkler
	S-B-I-GS	Commissioning and Adjustment per Gear-Driven Sprinkler
	S-B-I-W	Integration and Setup of the VBox Controller with existing WiFi
	S-B-I-WR	Integration and Setup of the VBox Controller including WiFi repeater
	S-B-I-W4G	Integration and Setup of the VBox Controller including setting up the 4G hotspot
	S-B-I-S	Seeding and spraying (green lawn color) on damaged grass turf
	S-B-I-RM	Locating and repairing severed lawn robot wires per hour
	S-B-I-T	Instruction and handover to the user per hour
Service / After-sales	S-B-S-EWGS	Winterization per zone with gear-driven sprinklers
	S-B-S-EWPS	Winterization per zone with pop-up sprinklers
	S-B-S-EWTR	Winterization per zone with drip hose
	S-B-S-EWMD	Winterization per zone with micro-drip
	S-B-S-EWPE	Winterization per zone with soaker hose
	S-B-S-EWS	Winterization of other tasks per hour

For the current price list, discounts, and quotations,
feel free to contact us anytime or reach out to
your local **irrigation.cloud** partner!