

GRP pipe solutions for efficient irrigation systems

Reliable water supply for good crops in all weathers



Amiblu GRP pipe systems

Engineered for the next 150 years

Hobas and Flowtite glassfiber reinforced plastic (GRP) pipe systems by Amiblu are the product of over five decades of innovation, experience and development. We are the largest producer and technology partner for GRP pipes in the world. Because of our composite engineering and material science skills, we offer a product with an expected service life of more than 150 years.



Our promise: we tackle the challenges of irrigation networks

Agriculture is the largest consumer of the world's freshwater resources and looks set to remain so. The availability of efficient and reliable irrigation systems can help save water and energy throughout the agri-food chain and provides a buffer against rainfall variability caused by climate change. This assures considerable improvements in agricultural production.

Pipes constitute a major component of irrigation projects. The service life of pipes installed below or above ground is essential for the efficient use of invested resources. In irrigation applications, it is also a crucial requirement to prevent the loss of water with reliable and proven pipe systems. GRP pipes by Amiblu meet these and several further requirements in a unique and highly innovative way: They are reliably leak-tight, resistant against all weather conditions, and with an operational service life for more than 150 years also a solution for generations.



Environmental sustainability

Our thermoset resins are designed to be inert and stable for 150 years. Glassfibers add stability and strength.



Economic sustainability

Lowest capital cost, lowest installed cost, and lowest lifetime cost. Sustainability doesn't have to cost the earth.



Social sustainability

Suppliers of water, sewage, drainage and energy need our pipeline technologies. We help build an infrastructure for generations to come.

Light weight for easy installation

Excellent long-term stiffness

Great hydraulic performance

Perfect water jetting resistance



Lifetime of more than 150 years

Non-corrosive composite

Excellent abrasion resistance

Leak-tight pipe wall and joint

Your benefit: a bigger crop with less water, whatever the weather

In conventional open irrigation systems, the loss of water in transmission and network lines, vaporization and operation is very high. This leads to larger distribution and drainage networks, resulting in increased costs and additional energy consumption in pumping systems.

Not with Amiblu GRP pipe systems: They allow for controlled low-maintenance water distribution and decisively reduce the costs throughout the system's lifecycle. Thanks to their leak-tightness, Amiblu pipe systems also protect nature, humans, and animals from the pesticides that can be contained in the transported raw water for agricultural reasons. On the other hand, the irrigation water is protected from outside factors such as waste and dirt.



Engineered for 150 years of operations

The results of our stringent long-term product tests support an expected service life of more than 150 years. This is confirmed by the evidence from existing installations that are as good as new after over 40 years of service.



Full corrosion resistance

Environments of pipe systems can have a corrosive nature, e.g. in the case of aggressive soils or stray currents. Amiblu GRP pipe systems are inherently resistant to corrosion and need no cathodic or other additional protection.



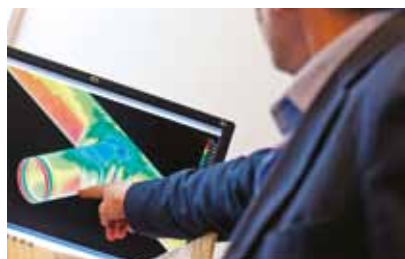
Angular deflection in couplings

Our pipe jointing technology makes it possible to modify the pipeline direction up to a certain degree simply by deflecting the pipes inside of the couplings. Your benefit: Fittings can be spared and costs saved.



Excellent flow coefficient

Amiblu pipes have a smooth, resin-rich internal surface that increases flow rates and decreases friction losses, even when gradients are low or pipeline diameters small.



Unique structural stability

Amiblu GRP products feature stable mechanical properties, low creep, and a low coefficient of thermal expansion. They are resistant to soil loads, seismic activities, and structural settlements.



Light weight, easy handling

Our pipes require no heavy handling equipment, which reduces transportation and installation costs. It also makes them a perfect solution for remote project areas that are difficult to access.



Lean production, effective monitoring

Proven systems for monitoring of dimensions, curing temperature, wall thickness, length, and diameters. Largest officially accredited testing laboratory for GRP pipes worldwide.



Resistance against weather conditions

The long-term performance and structure of Amiblu pipes is not affected by UV light, nor by frost or high temperatures. Pipes that are in operation under hot and humid desert conditions as well as long and cold winters prove this point.



Small and large storage tanks

We offer custom-tailored storage solutions for water with integrated manholes, pumps, and valves. The range of available capacities is almost unlimited.



Automation and traceability

Amiblu pipe systems allow for high standards of automation, traceability, and controlled water distribution. This prevents the loss of water in transmission and network lines.



Leak-tight jointing systems

Our Amiblu GRP potable pipe solutions are supplied with proven jointing systems that ensure the system works reliably throughout its whole service life.



From 100 mm to 4000 mm

No project is too large or too small for us: Amiblu GRP pipes are available in a broad range of nominal diameters from DN 100 up to DN 4000 (mm).



Let our team help your team!

On any project, you need to know that the people you work with are as committed to your success as you are. We believe in the long view and the longterm. So we partner with our customers from concept through to in-operation. We add value with innovative GRP solutions that outscore traditional alternatives on every parameter. We help you solve your problems and overcome your challenges to guarantee longterm, sustainable performance.

NEW IRRIGATION SYSTEM FOR MORE THAN 600 FARMERS (SPAIN)

A Flowtite GRP irrigation system consisting of pressure pipes DN 500 and DN 1400, PN 6 and PN 16, SN 5000, was installed for irrigating 3,319 ha of dry land in the city of Salamanca. With a total length of 23,400 m, it serves more than 600 farmers.

Reference projects all around the globe

Amiblu GRP pipes have an impressive track record and are installed around the globe. Among the installation methods are open cut, microtunneling, relining, above ground, in tunnels, and subaqueous.

IRRIGATION AND RAW WATER SYSTEM (ITALY)

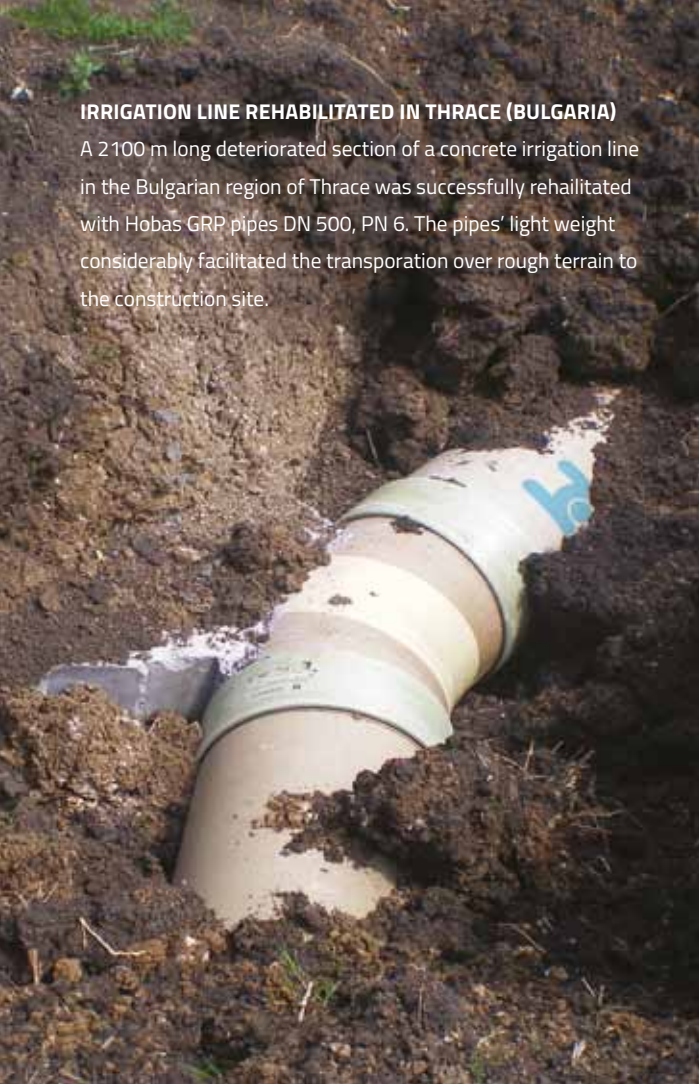
An agricultural irrigation and raw water system was installed in the comune of Castelfranco Veneto with 7834 m Flowtite GRP pipes DN 1000, PN 10, SN 10000.

IRRIGATION SYSTEM FOR SUGAR CANE IN CAMEROON (CENTRAL AFRICA)

More than 16 km of Flowtite GRP pipes and fittings DN 350-800, PN 10-25 have been successfully installed for the irrigation of sugar cane in Cameroon. 1500 ha of land around the city of Mbandjock in Cameroon, are cultivated with this much demanded plant and need an efficient irrigation network.

IRRIGATION LINE REHABILITATED IN THRACE (BULGARIA)

A 2100 m long deteriorated section of a concrete irrigation line in the Bulgarian region of Thrace was successfully rehabilitated with Hobas GRP pipes DN 500, PN 6. The pipes' light weight considerably facilitated the transportation over rough terrain to the construction site.



INSTALLATION SUCCESS IN CHALLENGING CONDITIONS (ITALY)

An agricultural irrigation system was realized with 9500 m Flowtite GRP pressure pipes DN 400 and DN 700, PN 16, SN 10000 in Veneto. On-time delivery and consistent quality standards were provided despite difficult weather conditions (heavy rain) during the construction period.



EXTENSION OF IRRIGATION NETWORK IN FRIESLAND (NETHERLANDS)

Three custom-tailored GRP sinker pipelines DN 1300-1600 were installed to upgrade an irrigation system in Friesland. The project was successfully realized with both Flowtite and Hobas pipes.

Why there is nothing else like an Amiblu pipe system



Engineered for
the next 150 years



Service-focused partners
to solve your problems



Innovation to challenge
the status quo



Amiblu®

Explore more on amiblu.com or contact your local partner for sustainable water solutions.

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