SUPERLIT®

50+ YEARS

Glass Fiber Reinforced Polyester

GRP Pipe Systems

Filament Winding & Centrifugal Casting
Pipe Technologies

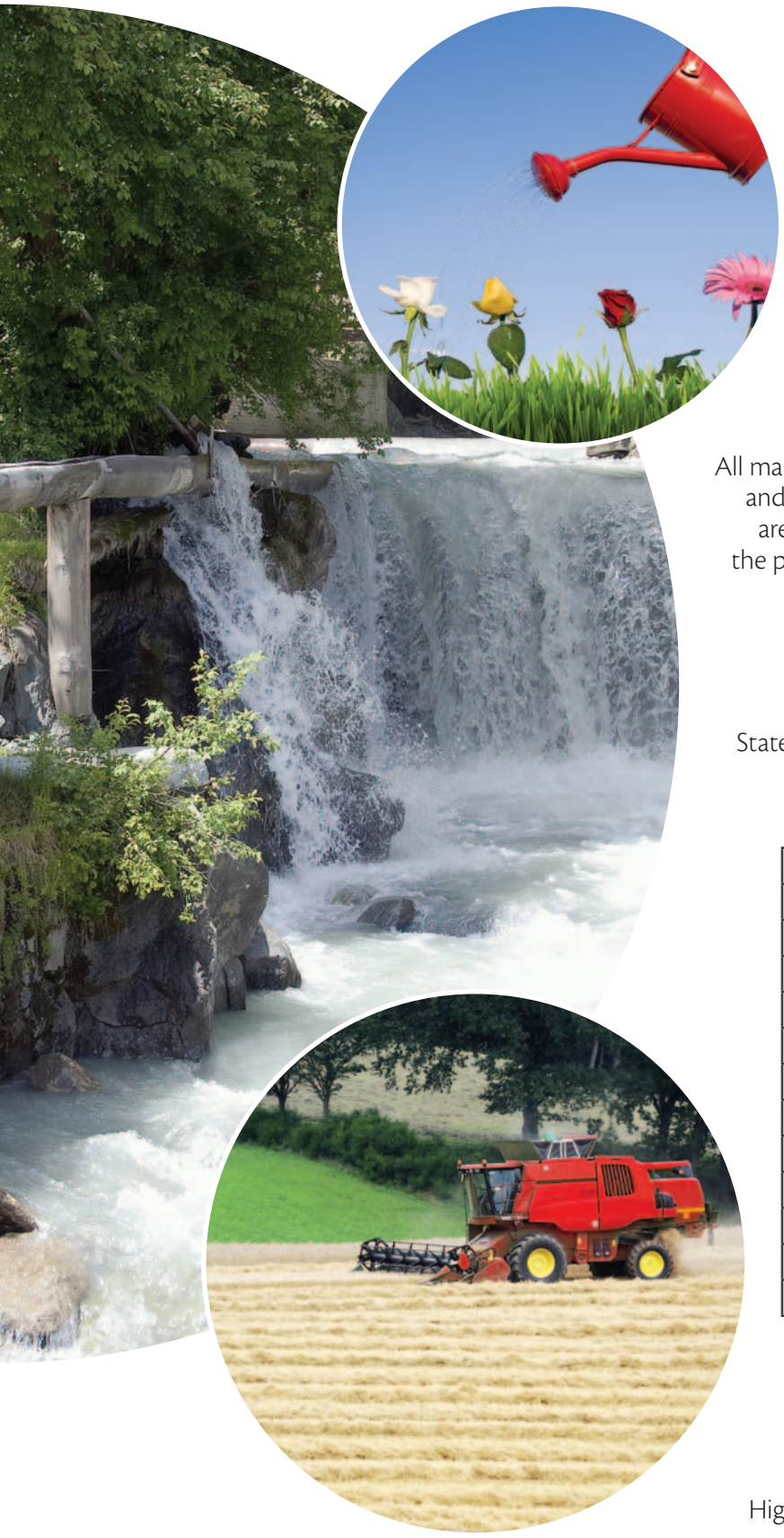
HYDROPOWER | INFRASTRUCTURE | IRRIGATION | SPECIAL APPLICATIONS

SUPERLIT – WORKING IN PARTNERSHIP WITH YOU TO BUILD THE FUTURE

SUPERLIT is a leading international manufacturer and supplier of GRP pipe systems. The company has been established in 1961.

People in towns, cities and villages across four continents – Europe, Asia, Africa and Oceania – rely on SUPERLIT pipes for various projects in Hydropower, Infrastructure, Irrigation or Special Applications.

We strive to satisfy all our business partners needs and delight them with our services.



WE UNDERSTAND THE VALUE OF WATER

Our company is renowned for its quality, novelty and environmentally focused approach.

SUPERLIT is one of only a handful of companies in the world to have mastered both of the two different automated processes used to manufacture GRP pipe systems:

▶ **Continuous Filament Winding** – the production principle is based on a continuous process. Technologically, the winding process its taking place on a rotating mould, created from a continuous steel band.

All manufacturing parameters (machine speed, temperature etc) and product characteristics (diameter, stiffness, pressure class) are tightly controlled. Multiple sensors and cameras monitor the production process and relay real time data to the filament winding machine's control unit.

▶ **Centrifugal casting** requires raw materials to be introduced, layer by layer, into a heated rotating mould. Centrifugal forces can reach up to 80G.

State-of-the-art software engineering enables pipe parameters to be set via a simple computer interface.

Diameters (mm)

Available DN / OD (mm)		
250 / 271.6	1200 / 1228.8	2400 / 2453.0
300 / 324.4	1300 / 1331.5	2500 / 2555.0
350 / 376.1	1400 / 1433.6	2600 / 2657.0
400 / 427.1	1500 / 1535.6	2700 / 2758.0
450 / 475.3	1600 / 1637.6	2800 / 2860.0
500 / 530.1	1700 / 1739.4	2900 / 2962.0
600 / 633.1	1800 / 1841.7	3000 / 3065.0
700 / 718.3	1900 / 1943.4	3100 / 3167.0
800 / 819.9	2000 / 2045.8	3200 / 3269.0
900 / 924.1	2100 / 2147.9	3300 / 3371.0
1000 / 1026.1	2200 / 2250.0	3400 / 3473.0
1100 / 1125.0	2300 / 2351.4	

Nominal Pressure PN (bars)

1, (2.5), (4), 6, (9), 10, (12), 16, (18), 20, 25, 32,(40*).

Stiffness class SN (N/m²)

1,250; 2,500; 5,000; 10,000; 15,000; 20,000.
Higher stiffness classes are available at request and for special applications.

Note:

"*" – special design, available on request.

"()" – non-standard pressure ratings are listed in brackets.

HYDROPOWER

HARNESSING THE POWER OF NATURE

In Europe, hydropower accounts for 19% of all electricity production, and around 80% of electricity generated from renewable sources. SHP (Small Hydropower) installations generate 3% of Europe's electricity.

It is estimated that 70% of the world's hydropower potential has yet to be exploited.

SUPERLIT is proud to have worked on hydropower projects across Europe, supplying both simple and complex GRP system configurations.

Country	Project	Key Data
Romania	Balkan-Muntele Mic	12 km; DN 700-800
Bulgaria	Etropole	1.7 km; DN 800
Austria	Schottlebach	4.1 km; DN 900-1000
Norway	Hanestadnea	2.6 km; DN 1400-1600
Czech Republic	Trnava Malzenice	4 km; DN 350
Turkey	Kurce	10 km; DN 1800-2200

INFRASTRUCTURE

FOLLOWING THE FLOW, DROP BY DROP

SUPERLIT – working in partnership with you to engineer a clean and healthy water future for the world.

Today, half of the world's population lives in urban areas and this is likely to increase further in coming years. This growth is the driving force behind research to develop more effective and efficient ways to deliver clean drinking water and provide wastewater treatments.

Manufacturing excellence, customer focus, sustainability and social responsibility: the core values underpinning SUPERLIT high performance products in the water industry.

SUPERLIT – dedicated to clean and healthy water:

Country	Project	Key Data
Australia	Leopold drinking water	8 km; DN 700
Turkmenistan	Dashoguz drinking water	42 km; DN 350-900
Russian Federation	Kalmyck	12.1 km; DN 900-1000
Romania	Braila sewage	5.5 km; DN 800-1600
Montenegro	Tivat sewage	4 km; DN 400-500
Bulgaria	Sliven sewage	7.5 km; DN 700-1400
Netherlands	Zwindrecht	1.8 km; DN 300-1000

IRRIGATION

BRINGING THE NATURE BACK TO LIFE

The hydrologic cycle is nature's great recycling scheme for water. It works like a giant plumbing network, within the closed system of the world's atmosphere.

SUPERLIT pipe systems help nature deliver water to where it is most needed to provide irrigation for crops and plants.

Many challenges have been overcome, pipe dreams have become a reality, and deserts have been transformed into green oases through the efforts of SUPERLIT engineers.

Country	Project	Key Data
Spain	Maials-Lleida	15.2 km; DN 700-1200
Ethiopia	740 ha expansion	10.2 km; DN 350-500
Spain	Aigues des Segarra Guarrigues	32 km; DN 450-1400
Turkey	Deniztepe Zirlankaya	8.7 km; DN 900-1400
Syria	Al Balikh	59.7 km; DN 350-2000

SPECIAL APPLICATIONS

CHALLENGES AS A LIFE STYLE

Compared to traditional open cut methods, SUPERLIT jacking pipes offer numerous advantages. There is minimal disruption to traffic flows and less damage to existing utility pipe and cable infrastructure. From an environmental perspective, pipe jacking leads to fewer vehicle movements and less excavated material going to landfill.

If you want to run pipes under buildings, highways, parks, rivers -even mountains! - SUPERLIT jacking pipes could provide the solution.

Pipe jacking is just one of several special applications for SUPERLIT GRP pipe systems. SUPERLIT may provide pipes for other applications like: landfill tanks, relining or marine installation.

Find out more at www.superlit.eu

Country	Project	Key Data
Turkmenistan	Awaza Suni Canak	1.5 km; DN 1200
Romania	Tarnita	4 km; DN 1200
Ukraine	Donetsk	0.2 km; DN 600
Turkey	Cooling water intake	1.5 km; DN 3000
Australia	Jacking application	1.1 km; DN 700

www.superlit.eu