Amiblu®

How we cut our carbon footprint and help make the world a more water- and future-proof place







WHAT WE DO TO MAKE YOUR PROJECT **MAKE A DIFFERENCE**

What sustainability means to us

Talking about sustainability starts with taking a good look into the mirror. Is what you see future-proof? Does it stand up to current and upcoming challenges, and is it determined to tackle them?

The challenges we're approaching and already facing in connection with climate change are manifold, and most of them have in some way to do with water. Water is not a matter of course, nor endlessly available. Less precipitation and higher temperatures lower groundwater tables. And heavy rains in combination with increasing urbanization, featuring more and more sealed surfaces, bring existing infrastructure to the limits of its capacity.

Each and every one of us needs water to survive. Therefore, it needs to be appropriately managed and valued, today and for the next generations, with the smallest possible environmental impact. And that's what we at Amiblu have made our mission:

We reduce environmental impacts by making pipes that last for several generations. Because the greenest product is the one you don't need to replace.

We at Amiblu are determined to tackle the world's water crisis with modern and smart pipe systems from one of the world's most fascinating, versatile, responsible, and best-performance material: Glassfiber reinforced plastics, GRP.

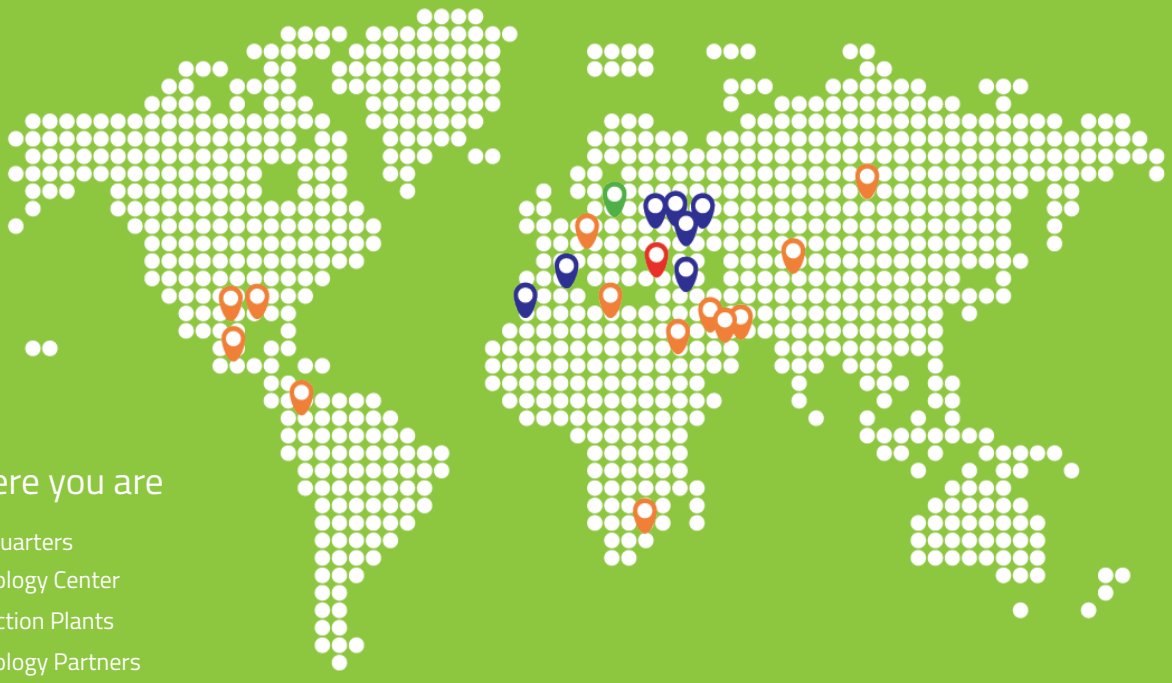
We work passionately on water security, wastewater discharge, and water-related needs of urbanization. We combine decades of experience with fresh, innovative ideas to outperform existing solutions. And we're committed to design and manufacture our products in a way that they can make the world in general, and our client's projects in particular, a more water- and future-proof place.

We strive for a global, healthy growth based on our culture of excellence.

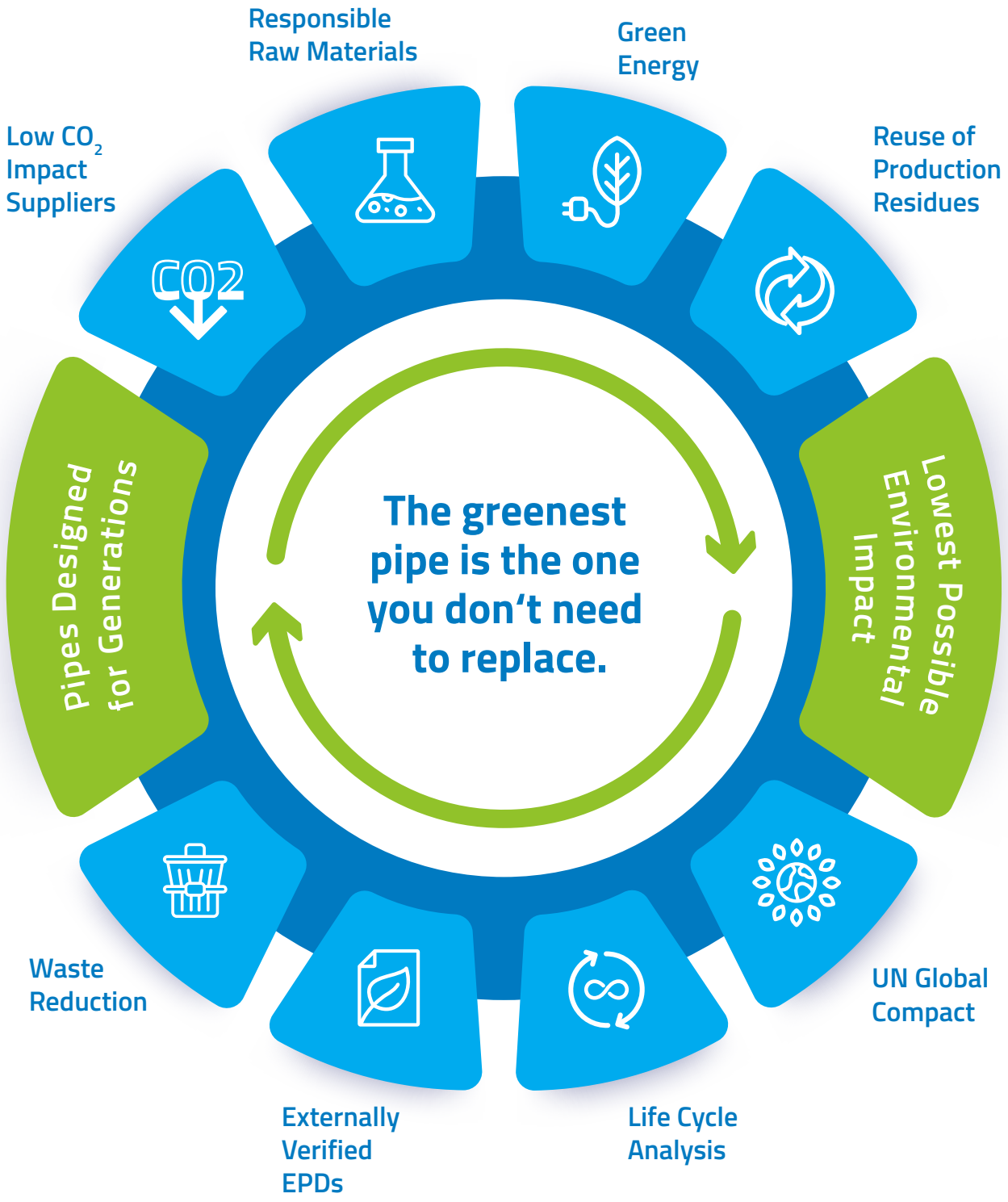
One major foundation of this excellence is our ISO 17025 accredited R&D center in Norway. It is the largest certified GRP pipe testing laboratory worldwide and as such at the forefront of scientific research into future- and climate-proof water management solutions. We have delivered these solutions to 125 countries worldwide with the expertise of our more than 1,500 employees.

On the following pages, we outline our look into the mirror to you, so you get a clearer picture of what sustainability means to us at Amiblu. We take our commitment very serious. Because as environmental leader Robert Swan puts it: The greatest threat to the planet is the belief that someone else will save it.

We are where you are



- Amiblu Headquarters
- Amiblu Technology Center
- Amiblu Production Plants
- Amiblu Technology Partners


Responsible Raw Materials
Green Energy
Low CO_2 Impact Suppliers
Reuse of Production Residues
CO2
Pipes Designed for Generations
Lowest Possible Environmental Impact
The greenest pipe is the one you don't need to replace.
Waste Reduction
UN Global Compact
Externally Verified EPDs
Life Cycle Analysis

Partner & supplier selection according to ecological criteria

We prefer local suppliers with low CO_2 footprint. The Amiblu Procurement Guideline includes criteria for evaluating and selecting suppliers based on ecological parameters such as environmentally sound production and transportation. We prefer companies who conduct their transports in accordance with the European emission standard Euro 6 and with LNG-powered trucks. This is why we implemented a tool for monitoring environmental and labor compliance in our supply chain.



Responsible choice of raw materials

We investigate the use of bio-based materials and recycled components like rPET polyester resins as non-fossil alternatives to unsaturated polyester resins. This way, we can further reduce our production footprint – with rPET, by up to 25%.



Use of renewable energies

Photovoltaics are being continuously installed to increase renewable energy production and cover a growing percentage of our factories' power requirements in an environmentally friendly way. At the Amiblu plant in Camarles, Spain, even 100% of the electricity consumed comes from renewable energy sources (approx. 40% solar and 60% wind). The Amiblu plants in Germany also feature a certified use of green electricity.

We reduce our energy consumption by reusing the process energy (heat) generated in production (e.g. at the Amiblu plant in Gdańsk, Poland). We continuously implement and improve energy saving measures in our plants worldwide. And we replace older machines like compressors with more energy-efficient ones.



Reuse of production residues

We recycle production-related residual materials like for example grinding dust wherever possible. Remaining pipe stock often finds a use as raised garden beds, water cisterns, or for similar purposes.

Our R&D laboratory in Norway runs and promotes cooperative GRP recycling projects to further investigate the recycling possibilities of GRP – be it from internal GRP waste or scrap parts, or from other GRP industries like windmill blades and natural gas tanks.



Partner of the UN Global Compact

Our aim to actively shape a sustainable future has led us to become partner of the UN Global Compact.

As such, we commit to:

- act responsibly and in accordance with universal sustainability principles,
- positively influence the society with targeted measures,
- embed the concept of sustainability deeply in the company's DNA and annually report on initiatives.

We're continuously expanding our already comprehensive ESG (Environmenal, Social, Governance) reporting system. We measure, improve, optimize, and fine-tune all aspects of our business. To bring the concept of sustainability upfront and make it easier to interpret results, we introduced the CAPEX category "sustainability" in our asset accounting.



Nothing new, but still important:

Video meetings replace many face-to-face meetings at Amiblu, greatly reducing the number of travels for our employees. Remote work and home office are widely appreciated and accepted, and our digital learning platform AmiPro allows our employees to access trainings at any time and place. Even the first "date" in job interviews now often takes place online. With all these measures, we are reducing travels and the associated CO_2 emissions.

Amiblu®

Life cycle analyses & environmental impact assessments

We have set up the most comprehensive LCA (life-cycle assessment) platform in the pipe industry. This allows us to carefully evaluate and choose the most environmentally friendly raw materials, designs, and production processes for our products and thereby effectively reduce a project's impact on the environment. To date, we have compiled LCAs for over 1200 of our products. Our LCAs provide the basis for further improvements and transparent environmental product declarations (EPD).



Independently verified EPDs

With our environmental product declarations (EPDs), we offer our clients and stakeholders a transparent CO_2 footprint for any of their projects – from raw materials and production processes to production sites, transport routes, and installation works.

These EPDs are created according to EU regulations and independently verified by The Norwegian EPD Foundation (epd-norge.no). There's a publicly accessible database on the Amiblu website for our standard products, containing LCAs for 1,200 products from about 60 published EPDs, representing about 80% of our sales.



Consistent waste avoidance

We rethink our production routines – like custom-producing short pipes instead of subsequently shortening standard pipes.

We optimize and replace older machines to minimize material losses.

For large projects in Germany and Poland, the wooden pallets shipped with the products can be returned and reused.

And we minimize paper consumption: With continuing digitalization, the quantity of consumed office paper was massively reduced. We're on the best way to a paperless office.

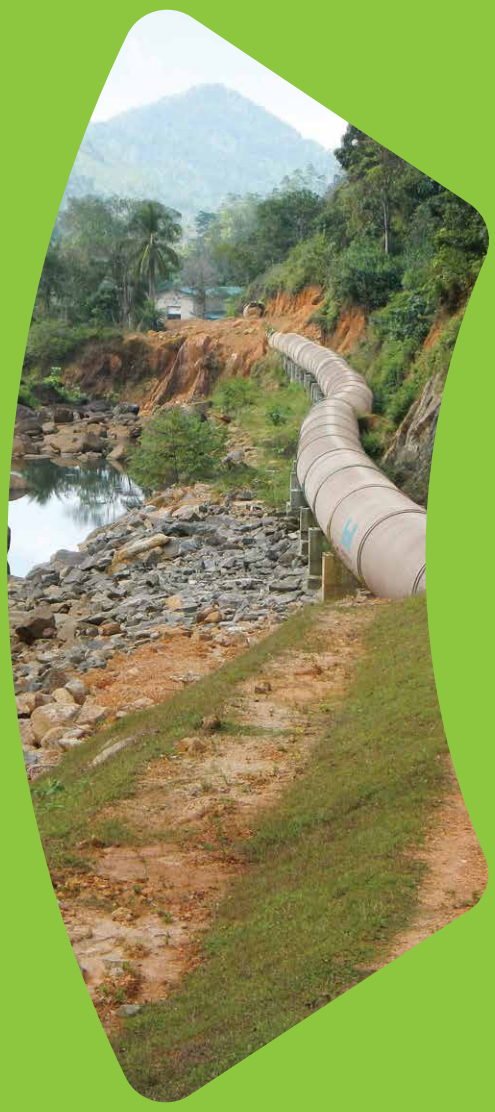




LET'S
MAKE YOUR PROJECT
MAKE A DIFFERENCE



Let's value water as we should







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