Engineering office for environmental,
water and wastewater technology

ÖSTAP

Engineering & Consulting

www.oestap.at

Drinking Water

Stormwater

Water Bodies

Waste Management

Wastewater

Simulation

Who We Are

Founded in 1945, we have been operating under the name ÖSTAP Engineering & Consulting GmbH since 1971. This makes us one of the most experienced engineering consultancies in Austria's water management sector.

With our broad portfolio in environmental, water and wastewater engineering, we strive to contribute to the preservation and improvement of the quality of life in our communities.

Countless successfully completed projects in Austria and abroad are the result of expertise, innovation, decades of experience and strong teamwork. The large number of satisfied clients shows that we are on the right path. Nevertheless, we continuously seek to improve and to implement modern planning tools for efficient project execution.

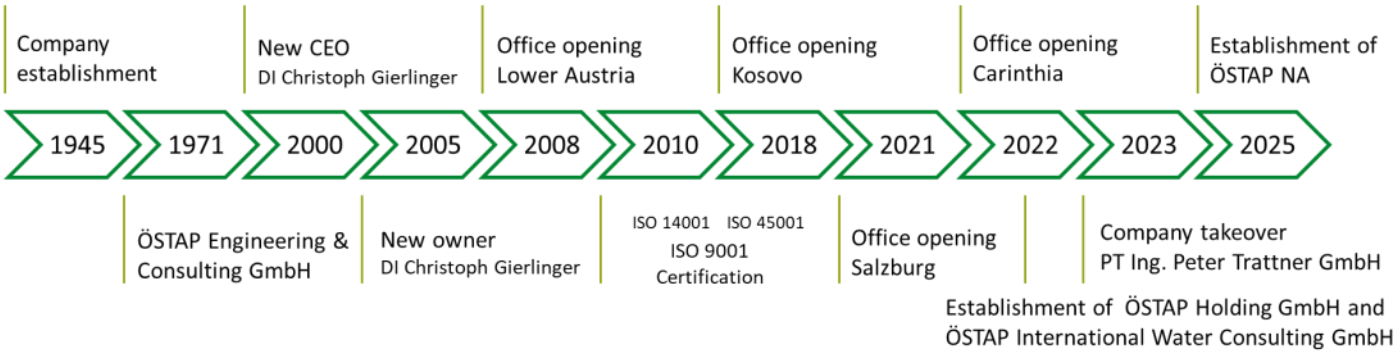
We are particularly grateful for the long-standing and friendly partnerships we maintain with municipalities — especially in Lower Austria, the Vienna region, Carinthia, Salzburg and Burgenland — and we are delighted to welcome new clients who place their trust in us.

We place great importance on personal, friendly and respectful communication. Helpfulness and prompt availability are key elements of our corporate culture.

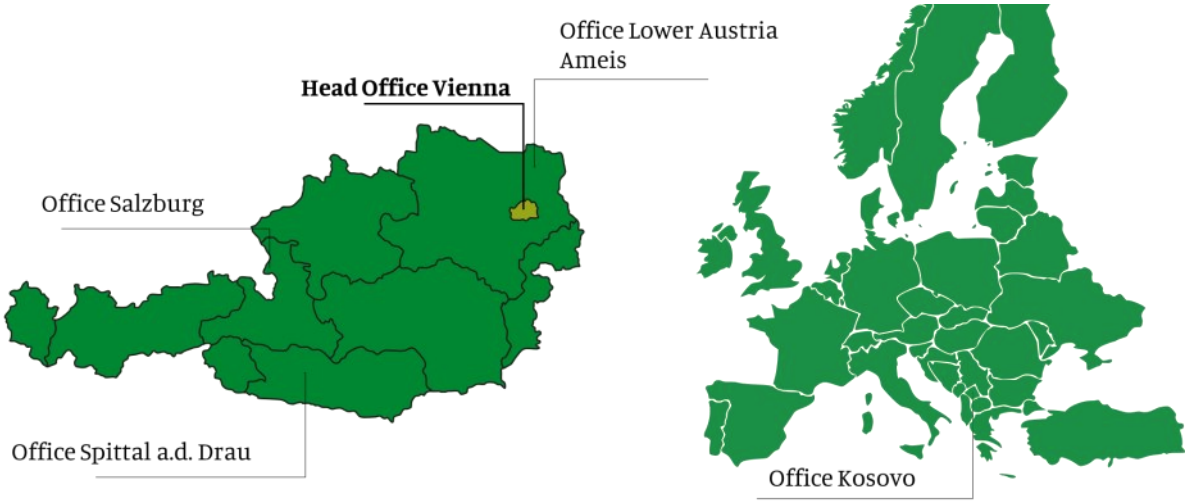
Management:

DI Christoph Gierlinger has been leading the steadily growing company since the turn of the century and took over ownership in 2005.

Our History



Where to Find Us



Water is Life.

With our projects in drinking water treatment and supply, we help ensure that people in cities, towns and even remote areas have access to fresh, clean water.

Drinking Water

From the spring to your home .

Water is the foundation of life. Only a small part of the water cycle is available to us as drinking water, which is why the requirements for its use and management are – rightly – exceptionally high.

Having constant access to drinking water directly from the tap has become something we take for granted. To deliver sufficient quantities of high-quality drinking water to people, we have built an extensive and complex infrastructure that is continuously expanded, operated, maintained, improved and renewed.

We apply our expertise in the design and construction of wells, springs, pipeline networks and storage tanks. We also provide support during ongoing operation.

Through careful planning and the use of modern tools, we ensure that our clients receive smart, efficient solutions that enable the responsible and sustainable use of this valuable resource – water.

YOUR NEEDS

- Reliable drinking water supply
- Ensuring drinking water quality
- Cost-efficient operation
- State-of-the-art facilities

OUR SERVICES

- Spring intakes, wells and surface water intakes
- Water treatment plants
- Water distribution networks and storage reservoirs
- Pipeline information systems (GIS)
- Hydraulic calculations and modelling
- Operational support
- Rehabilitation of pipelines and reservoirs, well regeneration and refurbishment of treatment plants




Back to the Roots.

Progressive urbanization, combined with increasingly frequent heavy rainfall events, leads to challenges such as flooding, urban heat islands and reduced groundwater recharge. Our experts develop and design concepts that return rainwater to the natural water cycle, helping to mitigate these effects and promote sustainable urban development.

Stormwater

The natural circle.

In many towns and cities, urban sealing is steadily increasing. As a result, the natural water cycle is significantly disrupted: runoff increases, while evaporation and infiltration decrease. The consequences are evident everywhere — urban flooding and the resulting damage are becoming more frequent, extreme heat in cities dominates summer headlines and biodiversity and the quality of open spaces are declining in many "grey" urban areas.

Through nature-based stormwater management measures such as green roofs, infiltration swales and soakaway trenches, these negative effects of urbanization can be mitigated. In this way, rainwater is returned to its natural cycle.

Runoff and flood risk can thus be reduced, evaporative cooling contributes to a more pleasant microclimate and groundwater recharge occurs in a natural way. At the same time, green, livable urban spaces can be created.

We pursue the approach of designing stormwater management systems as close to nature as possible. This not only relieves the sewer network but also enhances quality of life in the long term.

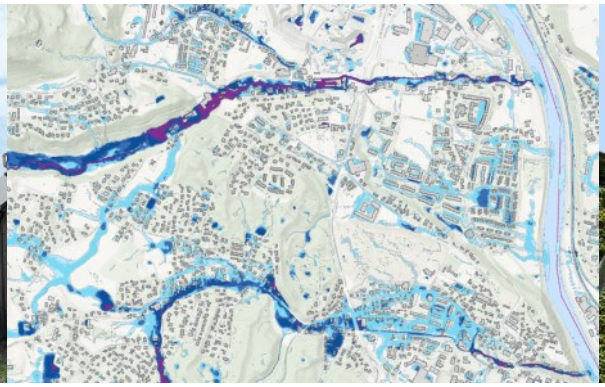
With innovative designs, tailored to the needs of our clients and considering available funding opportunities, we develop customized and efficient drainage concepts that deliver lasting impact.

YOUR NEEDS

- Reliable urban drainage systems
- Lower risk of flooding
- Appealing and sustainable landscape design

OUR SERVICES

- Infiltration and evaporation systems
- Nature-based stormwater management
- Hydrodynamic simulation
- Heavy rainfall hazard maps
- Water balance assessments



A Clean Solution.

Cities, rural communities and industrial facilities all have their own specific needs and requirements. With our tailored and diverse concepts, we always achieve the same goal for our clients: the treatment of wastewater in accordance with state-of-the-art standards.

Wastewater

Out of sight, out of mind?

The safe collection and conveyance of wastewater play a crucial role in maintaining a high quality of life within our communities. A well-designed sewer network, tailored to local conditions, is just as important as its operation, maintenance, and renewal.

By developing digital pipeline information systems (sewer registers), we can record the location and condition of existing sewers in detail, supported by CCTV inspections. These systems can include wastewater, stormwater and combined sewer networks, providing a comprehensive understanding of the infrastructure.

The sewer register forms a solid foundation for hydraulic modelling and the development of rehabilitation strategies.

Through network simulations, we evaluate the hydraulic performance of sewer systems and assess their environmental impact, such as combined sewer overflows.

Wastewater is conveyed through the network to treatment plants, where it is carefully purified. Our experts provide operational support and assist in the planning and realization of treatment facilities that meet today's standards while being prepared for future challenges..

YOUR NEEDS

- Reliable urban drainage systems (wastewater and stormwater)
- Cost-efficient operation of facilities
- State-of-the-art infrastructure

OUR SERVICES

- Sewer network – planning and optimization
- Wastewater treatment plants – design and operational support
- Development of digital pipeline information systems
- Hydrodynamic modelling and simulation of sewer networks
- Sewer rehabilitation

Quiet and Powerful Waters.

Water bodies exist in a constant interaction with their natural and urban surroundings. To prevent negative impacts on either side, targeted interventions and measures are essential — measures that promote a good ecological status, revitalize rivers and protect people from flooding.

Water Bodies

Protect and Improve.

Heavy rainfall events or prolonged wet weather periods can push rivers and streams to — and sometimes beyond — their hydraulic capacity. The resulting flooding can cause devastating damage.

That is why, for all construction projects and human interventions, it is essential to analyze local rainfall history, the ecological status of the water body and its natural retention capacity. Projected developments due to climate change are also taken into consideration.

Using runoff simulations and proven best practices, our experts develop targeted measures to prevent flooding. In planning and implementation, we strive not only to ensure flood protection, but also to preserve and improve the ecological condition of rivers and streams.

Our concepts also address surface runoff, both into water bodies and directly into settlements (hillside runoff), forming an integral part of flood-resilient urban and rural development.

YOUR NEEDS

- Flood and inundation protection
- Identification of potentially affected areas
- Improvement of ecological conditions

OUR SERVICES

- Flood retention basins
- Runoff investigations
- Hydrodynamic simulations
- Flood hazard maps / hazard zone mapping
- River restoration and revitalization
- Habitat and biotope design




It's Worth Something.

The Austrian Waste Management regulations and the overarching EU Directive define how waste must be handled. Strengthening the circular economy plays a central role in this process. Our experts plan and design modern recycling and resource recovery centers to ensure that valuable materials are preserved for reuse — contributing to a more sustainable future.

Waste Management

Of recyclables and landfills.

The generation of waste cannot always be avoided. According to the Austrian Environment Agency (2023), around 70 million tonnes of waste are produced in Austria every year. Excavated materials, construction and demolition waste account for the largest shares, followed by municipal waste, which also represents a significant waste stream.

For every type of waste, proper collection, fast transport and safe storage are essential to protect both people and the environment. Recycling and resource recovery centers offer a sustainable way to collect, separate and reuse valuable materials responsibly.

Special attention should be given to accessibility and public convenience when designing such facilities. For interim waste storage sites, the same level of care must be applied as for final disposal facilities such as landfills.

Our services for safe and sustainable waste management range from the evaluation and optimization of existing recycling centers to the design of landfills, including sealing systems and the management of by-products such as contaminated water or gas emissions, all the way to landfill supervision and beyond.

YOUR NEEDS

- Reliable waste management systems
- Cost-efficient planning and operation
- Collecting and reusing valuable resources

OUR SERVICES

- Recycling and resource recovery centers – planning and construction supervision
- Interim waste storage facilities
- Landfills – design and supervision
- Waste management studies and assessments

New Paths Are Created by Those Who Walk Them.

Innovation requires courage and collaboration. Drawing on decades of experience, we combine trusted practices with fresh ideas and emerging disciplines – a blend our clients value and rely on.

Other Projects

Your challenges are our business.

Our portfolio of services continues to grow with the demands of our time and the needs of our clients.

With our interdisciplinary team, we have successfully implemented projects beyond the fields of water management and environmental engineering. These include, for example, a market study on agricultural financing opportunities and the development of sustainable environmental impact parameters in cotton and dairy production. Some of these projects have even taken us as far as Mongolia and Nigeria.

We draw on a network of highly qualified experts with international experience and recognized expertise in their respective fields. This allows us to offer a broad range of services, which can be further expanded through the targeted integration of additional specialists when required.

Thanks to the academic background and scientific experience of our team members, we are also well positioned — and have already proven ourselves — as an SME partner in research and development (R&D) projects.

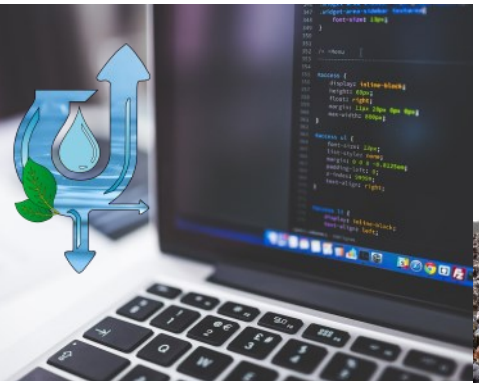
If you don't immediately find your specific challenge reflected in our portfolio, we invite you to get in touch with us — together, we will find the right solution.

YOUR NEEDS

- Supplementary planning, surveying, and calculations within project execution
- Innovative and cost-efficient solution proposals
- Reliable business partner for research projects

OUR SERVICES

- Road design and traffic studies
- Energy performance certificates and noise protection assessments
- Tree register management
- Building surveys, site and elevation surveying
- Identifying financing opportunities
- Consulting across various fields
- Participation in scientific and research projects




environmental engineers

engineering with passion

Head Office
Heiligenstädter Straße 51/3
1190 Vienna
+43 1 505 27 43

Office Ameis
Kirchenplatz 9
2141 Ameis
+43 25 24 20 164

Office Carinthia
Drauweg 31
9800 Spittal a.d. Drau
+43 1 505 27 43

Office Salzburg
Itzlinger Hauptstr. 31/32
5020 Salzburg
+421 1 505 27 43

Office Kosovo
33 Garibaldi 17/13-1
10000 Prishtine
+383 45 881 400

office@oestap.at
www.oestap.at
FN 587360s
ATU 78502345

ÖSTAP Engineering & Consulting GmbH