



WEGER

quality air / quality life



**Air for
life.
Climate for
well-being.**

What we produce meets essential human needs. That drives us to do our best. System solutions for ventilation and air conditioning that inspire thanks to cutting- edge technology, reliability and sustainability.

Worldwide.



From the left: Wolfgang Weger, Thomas Weger, Patrizia Weger, Walter Weger, Helmuth Weger, Manfred Weger, Peter Weger

Passion for air and climate.

Driven by a spirit of innovation, passion and commitment to quality, we have achieved unmatched standards in the industry. As a family business from South Tyrol, we have become a global player in air conditioning and ventilation systems. Founded in 1977 with 8 employees dedicated to plant engineering and the production of ventilation ducts and air conditioning accessories, we decided to go the whole hog – with the production of complex system solutions for air and climate. Technological progress for best air quality. All in the interests of our customers.

Global Company

Today, our second-generation family business is active all over the world. In cutting-edge production plants, we manufacture advanced air conditioning and ventilation units for a wide variety of areas and requirements. With excellent references from home and abroad. We owe this to our highly trained and motivated employees as well as to our attitude towards the environment. We are the industry benchmark for sustainability and energy efficiency, for example through heat recovery.



Walter Weger
COMPANY FOUNDER

”

It’s a nice feeling when the next generation shares the same passion for innovation, air and climate. The company is in good hands with them.

“



Wolfgang
Weger



Helmuth
Weger



Manfred
Weger



Air for innovation.

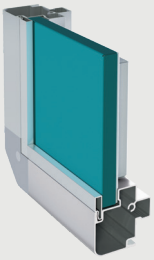
The pure air of the Dolomites has, how could it be otherwise, a great influence on our thinking and acting. Additionally, we build on our tradition of craftsmanship – solidity, reliability and the utmost care from execution to assembly. However, it is our quest for innovation that has allowed us to grow sustainably. We work tirelessly on the technical development of our enclosures and units. The best air quality and the greatest possible energy efficiency are challenges that always lead us to new, better solutions. Research and development – the lifeblood of our company. A glance at our production reveals what innovative strength can achieve. The main plant in Kiens in South Tyrol, where the **DIWER**, **DIWER EVO** and **DIWER TE** series are manufactured, is avant-garde. One of the most leading-edge punching and laser centres for sheet metal processing in Europe is located here. The ultra-modern technology makes it possible to produce art-specific unit series with the pa-

tented WEGER frame with inlaid panels largely fully automatically. Of course, we install airconditioning technology of the latest state-of-the-art. Whatever the project, whether a full air conditioning system for filtering, heating, cooling, aeration, be it a ventilation system with heat recovery, Hygienic or ATEX version, be it for indoor or outdoor installation: we supply the solution you need. Tailor-made and professionally planned. Broad expertise, versatile unit series and our own calculation software, WGK, ensure satisfied customers even before commissioning. And it stays that way after installation. Imperia, our intelligent control system, makes the operation a child's play and our Meteor software creates transparency in life cycle costs. All this comes with exemplary after-sales support.

DIWER, DIWER EVO & DIWER TE

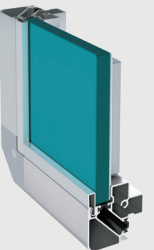
Best conditions

Profiles, panels and technologically innovative ideas – in principle, you don't need anything more to get to the top. Our intelligent frame system allows almost unlimited construction methods, is equipped with a unique screwless and rivetless clamping strip system and impresses with uncompromising material and processing quality. **This is how you build success.**



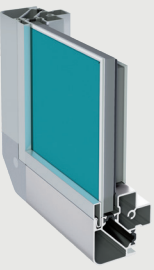
DIWER

With this series, WEGER achieved a breakthrough in 1992. Today a "classic", DIWER is the epitome of excellent housings for the installation of ventilation and air-conditioning systems.



DIWER TE

Consistent further development of thermal separation and unmatched energy efficiency. DIWER EVO is our top product, the result of decades research and development.



DIWER EVO

The economical hybrid solution between the "classic" and top model DIWER EVO.



High-performance pump system (HPS)

To complement the respective devices, we offer various additional modules, also in integrated form. This way, you can complete your system or obtain a plug-and-play solution: HPS is a versatile hydraulic module for efficient energy recovery through a combined-loop system. Each closed-loop system separates the flows within the treatment unit, thus preventing cross-contamination caused by possible impurities in the air. A hydraulic connection is required for this. The HPS hydraulic module, with its intelligent control system, allows adjustment of the air side and the fluid side.

Benefits:

- Heat recovery
- Cold recovery
- Additional cold supply
- Additional heat supply
- Diffusion-tight pipe system insulation with the option of additional aluminum cladding.
- Imperia 51 control
- Continuous efficiency optimization thanks to the intelligent control system
- Flexible BMS communication and remote monitoring via BACnet IP, Modbus TCP, Modbus RTU, etc.
- Frost protection
- Compact unit for indoor and outdoor use
- Copper piping
- Heat recovery coefficient measurement via heat exchanger in the supply and exhaust air
- Adiabatic humidification of the exhaust air



Special solutions

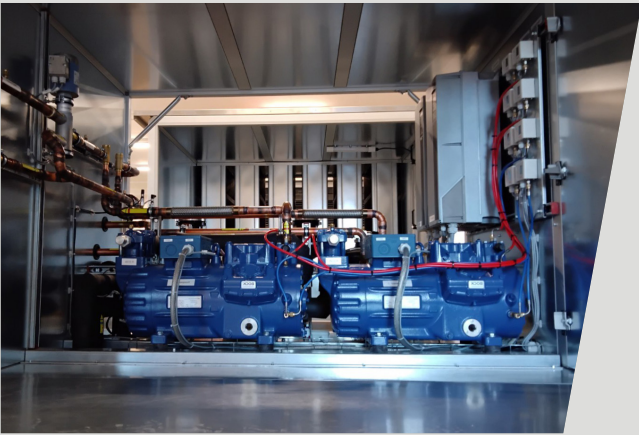
WEGER can do this



Access ladder



Fan Wall



Integrated Refrigeration



Adjustment



Pipes

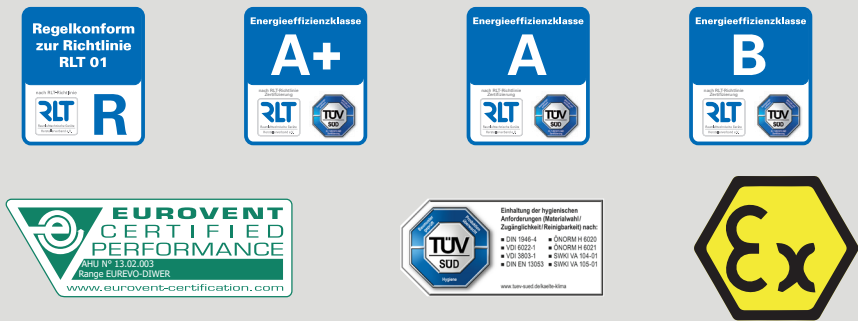


Special colors

Clean work.

Precision and accuracy are the air we breathe, so to speak. We ensure that units and components are always precisely matched to the standards and regulations of the respective industry. In addition, we have an integrated management system with certificates for quality, the environment as well as occupational health and safety. Customers and employees can trust us in all areas.

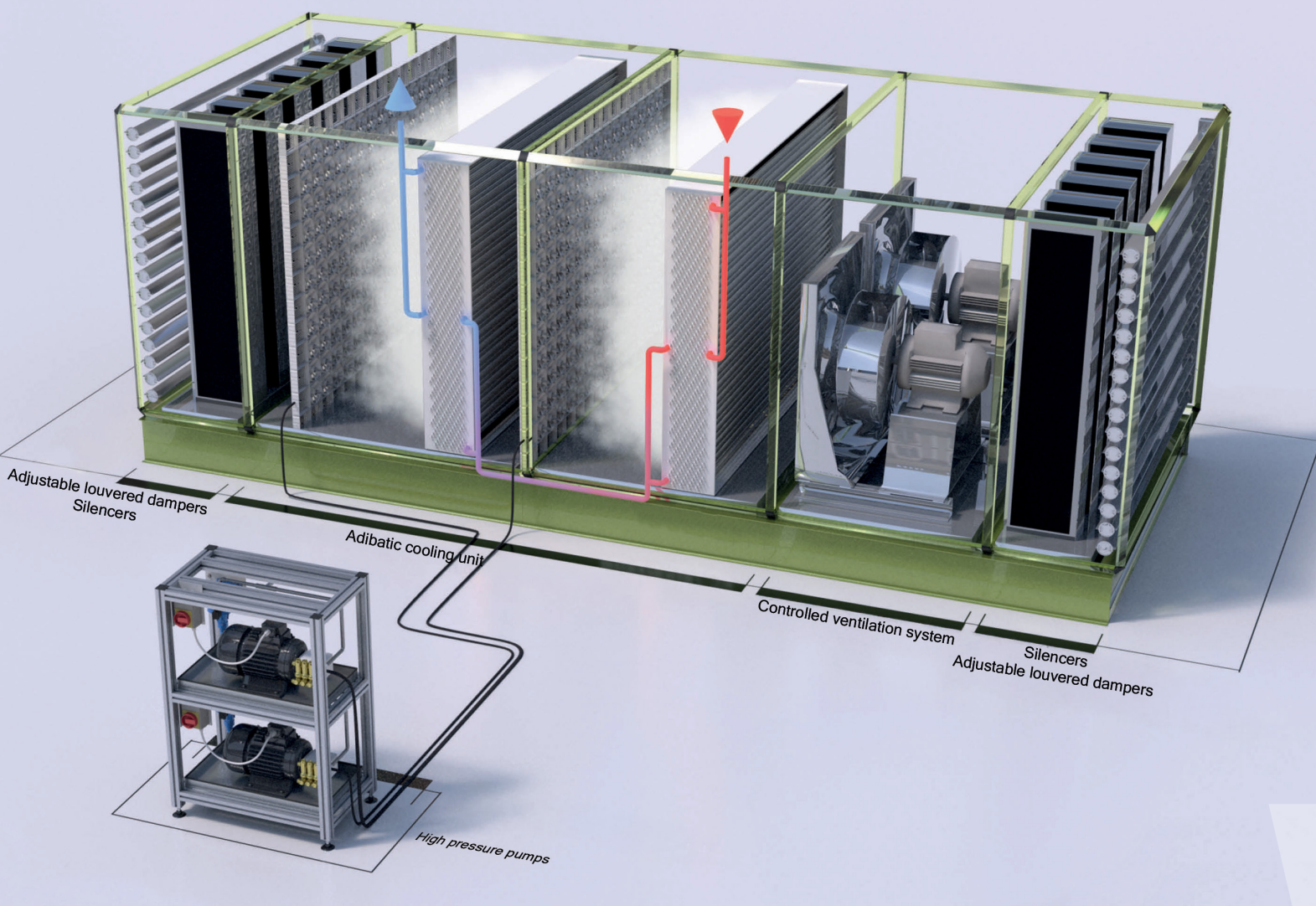
As far as the green values are concerned, we naturally play in the upper league as an RLT member. The energy efficiency of most devices is A+. Our participation in the Eurovent certification programme also ensures transparency in the classification of classes. We also strictly adhere to the new EU Ecodesign Directives (ErP). For us as South Tyroleans, climate protection is not just a regulation, but a true concern.



With the Atex marking according to directive 2014/34/EU we guarantee the safety of our devices for use in potentially explosive atmospheres.

”
The work is technically challenging, the working atmosphere is good – and I have the chance to develop further. A job I like!

“
Simon Auer,
EMPLOYEE IN PRODUCTION



Cooling Systems

Chiller Cooling

Our adiabatic coolers provide optimized cooling water temperatures in a hygienic and economical way – reliable, efficient, and resource-saving.

Control System:

The cooling capacity is automatically adjusted to the required cooling water outlet temperature through an intelligent combination of fan and humidifier control. This ensures maximum energy efficiency under all operating conditions.

Functionality:

- **Adiabatic Pre-Cooling:** Ambient air is pre-cooled in an energy-efficient way using adiabatic humidification, approaching the physically possible wet-bulb temperature.
- **Energy Transfer:** The humidified air flows through a heat exchanger, where sensible and latent heat are efficiently transferred to the ambient air.
- **Performance Reserve:** A second cooling stage is automatically activated when additional capacity is required.
- **Controlled Discharge:** The cooled air is discharged to the outside via fans in a controlled manner.

Your Advantages at a Glance:

- Glycol-free operation – higher supply temperatures without system separation
- Free cooling – maximum energy savings during intermediate seasons
- Tailored solutions for every project
- Flexible indoor or outdoor installation
- Compliance with all noise regulations
- Hygienically optimized design (VDI-compliant)
- Exceptionally low operating and maintenance costs
- Optional air filtration system
- Low water or coolant temperatures for efficient process cooling
- High-quality, durable materials
- High-pressure humidification system with fine atomization
- Flexible control for demand-oriented operation
- Fog-free and hygienic operation – for clean ambient air



Mall of Switzerland, Ebikon

Fresh air made to measure.

Shopping centre or offshore platform, hospital or food production – no two tasks are the same when it comes to air and climate. A challenge cut out for our experts. They develop tailor-made

solutions and designs that perfectly meet every requirement – thermal comfort, hygiene, drying, dedusting, detoxification, Sound insulation or energy recovery. Our expertise is particularly in demand when the highest requirements must be met, such as sterile air in operating theatres. The Diamant, Goliath and Sairios series of compact units show just how well we know the needs of the market. Whether turnkey unit or special ventilation technology - our many years of experience pay off.

Complex tasks.
Industry-specific solutions.
Perfect implementation.



Food



Cleanroom & Pharma



Hospitality & Catering



Nursing & Healths



Mills



Agriculture



Shopping



Fairs



Industry



Infrastructure



Marine & Offshore



Sports



Pool & Spa



Offices & Schools

IKWK Heidelberg

Turning air into heat

Three large air-source heat pumps extract heat from environmental air, drawn in by 180 fans. The air is filtered and forced into an air cooler. The cooler works like a fridge – but instead of cold, the extracted heat is utilised here. It is subsequently brought to an even higher temperature by a compressor, transferred to water via heat exchangers, and finally fed into the district heating system. The now five degrees (°C) colder air is returned to the environment through one ventilation tower for each heat pump.

PROJECT DATA:

Owner and operator:	Stadtwerke Heidelberg
Location:	Heidelberg, Germany
Solution:	Air cooler for power generation
Products:	3 units of 500,000 m³/h each
Output:	1,500,000 m³/h of air
Technical details:	180 fans with 3.4 kW connection (612 kW total) Total cooling capacity of 2,790 kW (2.78 MW)
Unit dimensions:	9.5 x 28.2 x 5.4 m (LxWxH) => footprint of just under 268 m²



Burbo Bank

The ventilation system for the interiors of the central platform of the Burbo Bank wind farm meets the special requirements perfectly. Autonomous heating and cooling, fail-safe due to redundant operation of the fans, resistance to aggressive sea air. Tailor-made WEGER.

PROJECT DATA:

Location:	Liverpool Bay, GB
Solution:	Supply and exhaust air system
Product:	Ventilation unit
Power:	4,000 m3/h air
Technical details:	Halogen-free and fire-resistant wiring



St. Elisabethen-Klinikum

With 500 beds and state-of-the-art medical technology, the St. Elisabethen-Klinikum Ravensburg is the leading clinic in the region – and a first-class reference for WEGER. The ventilation and air conditioning solution with perfect thermal decoupling also included 4 HPS systems, consisting of the WEGER high-performance hydraulic modules for energy recovery and the Imperia control system. WEGER, hygienically first-class.

PROJECT DATA:

- Location:

Ravensburg, Baden-Württemberg
- Year of construction:

2016
- Solution:

Ventilation and air conditioning
- Product:

11 ventilation units
- Power:

293.000 m3/h air,
energy recovery 640 kW
- Technical details:

4 HPS systems, Internal and external coating in accordance with the applicable hygiene guidelines
- Certificates:

VDI 6022 for hygiene requirements,
DIN 1946-4 standard for buildings and rooms of the health care sector



”

*A complete solution that demonstrated
our expertise in clinically clean air.*

“

Harald Betz,
SALES PARTNER GERMANY, STUTTGART OFFICE



Mall of Switzerland

The second largest shopping and leisure centre in Switzerland. A mega project for WEGER. We supplied ventilation and air conditioning solutions for a total area of 65,000 m2. The enormous dimensions dictated the number and size of the devices. Among them giants of 5 m height. The separation points were planned so that the devices could be delivered in 30 individual cubes (2 per truck). WEGER, in demand for major projects.

PROJECT DATA:

- Location: Ebikon, Canton of Lucerne, CH
- Year of construction: 2016
- Solution: Ventilation and air conditioning
- Product: 41 ventilation units
- Power: 570,000 m3/h air, energy recovery 2,850 kW
- Technical details: 2 large appliances with dimensions of 15.5 x 9.2 x 5 m, delivered with 17 trucks, mounted in 8 working days per large unit



”
Construction and transport of the giant devices - brilliantly mastered by WEGER.

“
Fritz Heiniger,
WEGER SALES PARTNER SWITZERLAND, ZURICH OFFICE



Rubin Mühle

The air supply unit is specifically designed to provide the mill with an air volume of **135,000 m³/h**. This high-performance unit ensures a continuous and consistent supply of fresh air, which is essential for the smooth operation of the mill.

A key feature of this air supply unit is its **heat recovery system using a plate heat exchanger**. The plate heat exchanger enables the efficient recovery of heat energy from the exhaust air, increasing the system's thermal output to **1,044 kW**. This heat recovery technology significantly contributes to energy savings by reducing the required heating energy and thus lowering operating costs.

In addition to energy efficiency, the air supply unit also offers environmental benefits. By reducing energy consumption, CO₂ emissions are lowered, contributing to more sustainable and environmentally friendly production.

The air supply unit is robustly and durably constructed to withstand the demanding conditions in the mill. It requires little maintenance and, thanks to its in-house control system, is easy to use as a complete package with its own visualization, which further increases operational safety and reliability.



PROJECT DATA:

Location:	Plauen, Germany
Solution:	Ventilation unit for food production
Product:	Supply air unit
Power:	135,000 m3/h
Technical details:	Heat recovery with 1,044 kW



Production plants and distribution

Air for life is in demand. Outstanding quality no less. That is why we are ideally positioned. With two production plants in Europe and one in South America, we supply the global market with our system solutions. These include world-famous companies such as IKEA, Audi, Deutsche Bahn, METRO and Bayer. The distribution network corresponds to the size of our company: 19 locations in Europe, sales partners in over 25 countries and three continents. For successful projects without frontiers.

Production plants:

Headquarter Italy

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www.weger.com

Hungary

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www.weger.com

Brazil

Weger Novatherm Ltda.
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www.weger-nt.com.br

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info@weger.de

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Sales partners:

Europe

Belgium
Croatia
Czech Republic
Great Britain
Ireland
Iceland
Luxembourg
Netherlands

Portugal

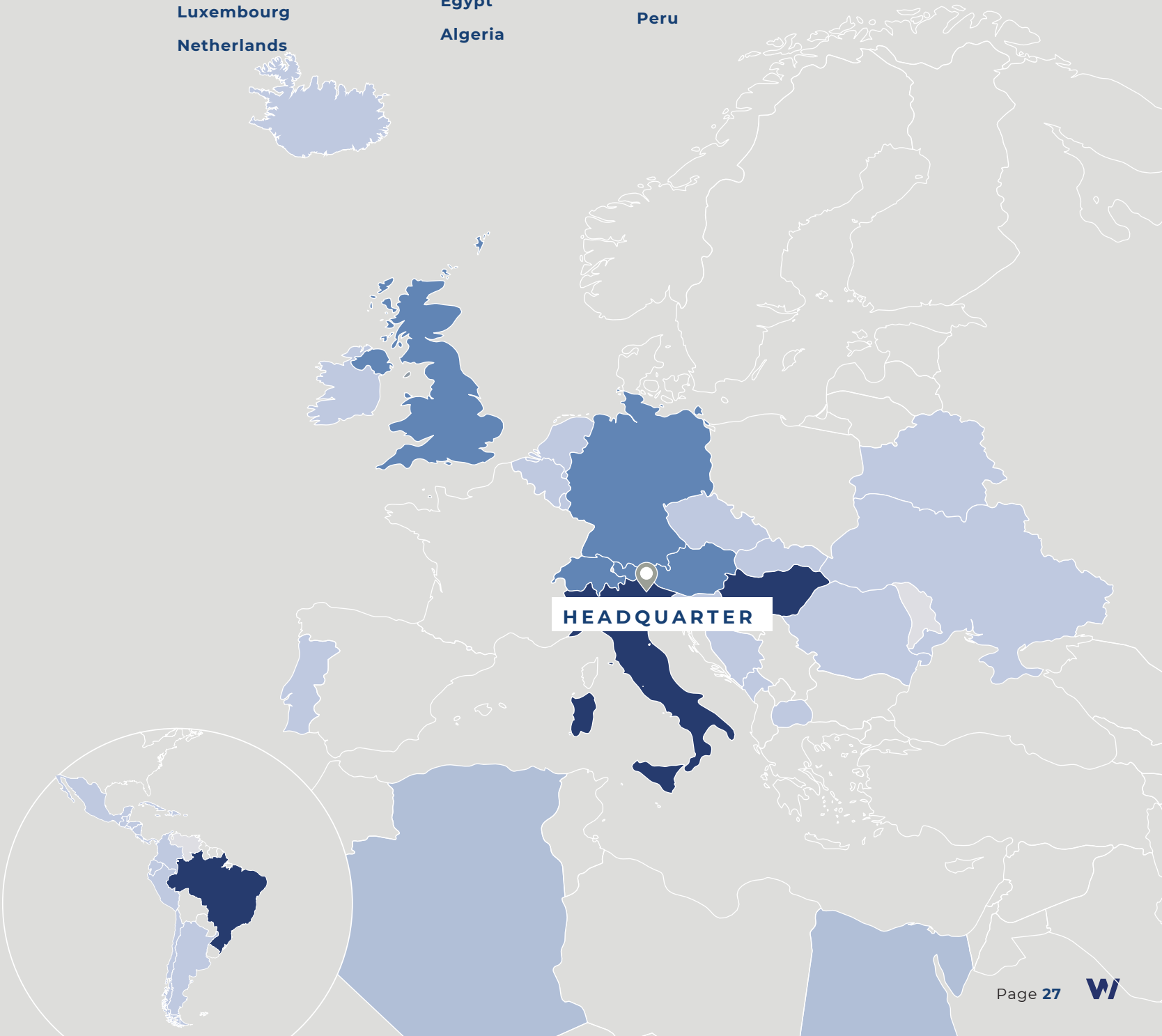
Romania
Slovakia
Switzerland
Ukraine

Africa

Egypt
Algeria

Latin America

Brasil
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