HEAT PUMPS

ENERGY NEWS

EDITION 01/2025

iNTELLiGENT HEAT PUMPS IN ACTION

DISCOVER OUR REFERENCE PROJECTS FROM THE TOUR DE WIEN NOW!



TRADE FAIR REVIEW

ENERGY SAVING FAIR WELS & ISH FRANKFURT

iDM EXCLUSIVE:
MARKO ARNAUTOVIĆ AND HELGE PAYER ARE THE NEW FACES OF iDM.

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TABLE OF CONTENTS



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Trade Fair Review 03

Marco Arnautović & Helge Payer in action for iDM 04

iDM product innovations 06

Tour de iDM Vienna and surrounding area 08

Introduction to iDM Project Sales 10

9th iDM Planner Forum 12

Think smart and save more! 13

Recap of the iDM Kick-Off Event 2025 14

TRADE FAIR REVIEW
ENERGIESPARMESSE WELS & ISH FRANKFURT

Participation in the **WEBUILD Energy Saving Fair Wels** (March 5th to 9th, 2025) and **ISH Frankfurt** (March 17th to 21st, 2025) was once again a great success for us this year.

Both fairs offered ideal platforms to present our latest solutions in the field of energy-efficient heating systems and engage in direct exchange with visitors. Personal contact was at the forefront—whether in conversations with long-time partners or in getting to know new prospects.

We were particularly pleased with the great interest in our innovative technologies and the exciting discussions around the future of energy. Many constructive conversations with industry partners, end customers, and colleagues once again showed how important smart and sustainable energy solutions are today—and how much they shape the future.

We sincerely thank all visitors for their trust, open dialogue, and inspiring encounters, and we are already looking forward to the upcoming events and a reunion!







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MARKO ARNAUTOVIĆ & HELGE PAYER IN ACTION FOR iDM

Two legends in action for iDM: Marko Arnautović and Helge Payer are the new faces of our iDM advertising campaign.

Two well-known figures from the Austrian football world are now representing our brand: Marko Arnautović and Helge Payer are supporting iDM as new brand ambassadors. Both not only embody athletic success but also values like passion, commitment, reliability, and team spirit—qualities that are also reflected in our products and company philosophy.

For our new advertising campaign, the two stood in front of the camera - and impressed with their charm, naturalness, and professional presence. In the spots, strong visuals meet clear messages and emotional energy. The result is authentic scenes that show: modern heating solutions need people who believe in them - just like in sports, a strong team is needed to achieve great things.

Roll film!

You can find the spots here!

So far, two of the new spots have been released and have received overwhelmingly positive responses - with more content on the way. With this campaign, we are sending a strong signal for the future of sustainable energy solutions - carried by two absolute legends.



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iPUMP T ONE / iPUMP T7



iPUMP T ONE

The iDM iPUMP T7 ONE with integrated hot water tank combines maximum efficiency with space-saving design, making it the ideal heat pump for single-family homes—both in new builds and renovations. With a flexible heating capacity of 2 – 7 kW, it reliably provides heating, hot water, and, thanks to passive cooling, pleasantly tempered rooms during hot summer days.

Whether groundwater or geothermal energy is used as the source, the iPUMP T7 ONE utilizes the environmentally friendly refrigerant R290, reaches flow temperatures of up to 70 °C, and is therefore also perfectly suited for renovations with existing radiators. Quiet operation and the integrated 6 kW electric heating element ensure added comfort and reliable heat supply.

iPUMP T7

With the iDM iPUMP T7, you're choosing a future-proof, environmentally friendly, and highly efficient heating solution for your home. This modulating geothermal heat pump continuously adjusts its output to meet your individual heating needs and impresses with a flexible heating capacity of 2 – 7 kW. Whether for new builds or renovations, the iPUMP T7 reliably provides heating, hot water, and optional passive cooling—all with outstanding efficiency and quiet operation.

Thanks to state-of-the-art technology, the iPUMP T7 harnesses free environmental energy from the ground or groundwater and transforms it into cozy warmth using the natural refrigerant R290. Its compact indoor installation eliminates the need for a separate boiler room and allows it to blend seamlessly into any living space.



HEAT PUMP iPUMP N5 / iPUMP A ONE



New!
Planning requests now available!

HEAT PUMP - iPUMP N5

The iPUMP N5 is designed for decentralized heat supply directly within individual residential units. This space-efficient model can be mounted on a wall or ceiling and allows for individual performance adjustment depending on the apartment size.

With a heating capacity of up to 6.5 kW, the iPUMP N5 provides efficient heating and domestic hot water. Thanks to its versatile compatibility with various heat sources—such as air heat exchangers, thermally activated PV modules, groundwater, or geothermal probes—it is THE heat pump for renovating multi-family homes and neighborhood energy solutions. The high flow temperature of up to 70 °C makes it perfect for renovations using radiators, and the use of natural refrigerant R290 makes it an environmentally friendly and future-proof solution.

iPUMP A ONE

The iDM iPUMP A ONE with integrated hot water tank is the perfect solution for heating, domestic hot water, and, thanks to its standard active cooling function, for comfortably cool living during hot summer days. With output ranges of 2 – 8 kW or 4 – 12 kW, it operates with maximum efficiency - protecting both the environment and your wallet. The unit is designed to be space-saving while being precisely tailored to a household's heating needs.

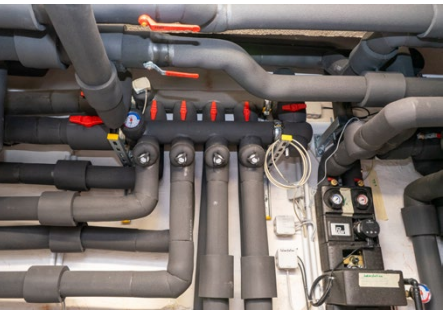
Using the environmentally friendly refrigerant R290, the iPUMP A ONE is particularly sustainable and eco-conscious. Its powerful yet quiet operation ensures maximum living comfort, while the robust outdoor unit made of high-quality steel withstands all weather conditions.

At the heart of the iPUMP A ONE is the intelligent iDM NAVIGATOR control system, which enables easy integration with PV and battery storage systems. And with the AI-supported iON add-on package, energy usage is further optimized - ensuring the lowest possible operating costs.



Available from Juli 2025





RESIDENTIAL CONSTRUCTION ZWÖLFERGASSE

Heat source	Brine-water
Heat Pump	TERRA SW 55 MAX P
Heating capacity	55 kW
Heat distribution system	Radiators, underfloor heating, and fan coils
Buffer tank	1,500 liters for high temperature and low temperature, 1,000 liters for cooling.



An existing multi-family residential building near Vienna's Westbahnhof was converted from gas to an iNTELLiGENT iDM heat pump. Some of the apartments were renovated and equipped with underfloor heating and fan coils, while the unrenovated apartments are still supplied with radiators, which will gradually be replaced with underfloor heating in the future. Since there was only space for four of the seven required deep boreholes in the courtyard, a new approval procedure for deep boreholes in public land was requested from the City of Vienna to ensure the entire heating load could be covered by the heat pump. The additional deep probes are now located under the sidewalk.

TOUR DE iDM WIEN AN





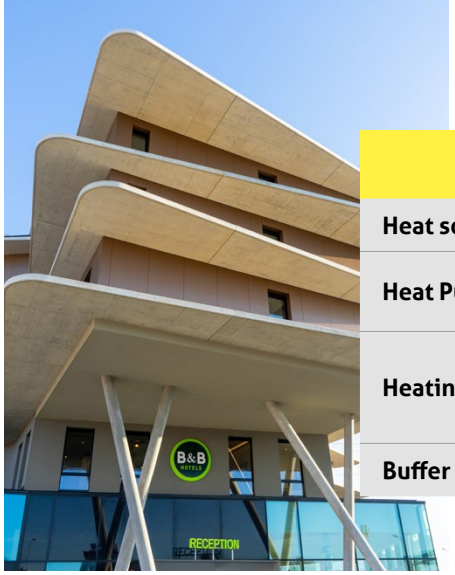
RESIDENTIAL COMPLEX VOLKGASSE

Heat source	Geothermal
Heat Pump	TERRA SW 70 MAX H
Heating capacity	70 kW
Heat distribution system	Radiator
Buffer tank	TERMO 1500 | HYGIENIK 1500/50

The three-story residential building from 1910 in Küniglberg was comprehensively renovated and expanded in 2022/2023. In addition to the existing ten rental apartments and one commercial unit, the project included an attic expansion and balcony additions on the garden side.

At the same time, the thermal building envelope was improved, and the fossil energy system was replaced throughout the entire building. By replacing the windows and insulating unstructured facade parts, the heating demand was reduced by 55%, creating the foundation for the transition from decentralized gas heating units to a central geothermal heat pump system. To achieve this, 14 deep boreholes of up to 130 meters in depth were drilled at 5-meter intervals in the garden. A high-temperature heat pump with a capacity of 70 kW has since been providing the entire building with emission-free heating and hot water. Distribution occurs via the stairwell and existing shafts. Existing radiators were reused, and gas boilers were replaced with modern heat transfer stations. In the new attic apartment, the commercial unit, and two other units, underfloor heating provides comfort—also offering passive cooling through the geothermal probes in the summer. Additionally, a photovoltaic system with an output of around 25 kWp was installed on the roof and south-facing facade. The generated electricity is used, among other things, for operating the heat pump and is planned to be used in the future for charging electric vehicles in the front yard.





B & B HOTEL	
Heat source	Air
Heat Pump	3x TERRA AL 50 MAX 1x TERRA SW 35 MAX H
Heating capacity	Approx. 60 kW for heating and 60 kW for hot water preparation.
Buffer tank	4x TERMO 2000 MAX





Another great reference project is a hotel with 104 rooms in the Mödling district. The building is supplied by three air/water heat pumps on the roof. High-temperature hot water preparation is carried out in a second stage (booster heat pump), and the energy from the high-temperature storage tanks is then used to heat the drinking water via a Fresh Water Cascade 280 (four fresh water modules with a peak flow rate of 70 l/min each).

D SURROUNDING AREA



INDUSTRIAL HALL MÖLLERSDORF	
Heat source	Air
Heat Pump	2x AERO ALM 10-50 MAX
Heating capacity	80 kW
Heat distribution system	Radiators + underfloor heating
Buffer tank	2000 l





A former industrial site was converted into a hall to store plans for the Architekturzentrum Wien. The storage area is heated with radiators, while the workspace is heated with underfloor heating. The air/water heat pumps that supply the building with heat are placed on the roof.



iDM PROJECT SALES

"Every project is unique and requires individual attention."

Heat pumps - Large projects have different requirements and present various challenges in terms of heating and cooling supply within a building, as well as their energy sources. The iDM Project Sales team will assist you from the very beginning.

Specialists in building technology with project management experience support you with feasibility studies, concept development, and provide assistance with planning in hydraulics, electrical engineering, and the creation of project-specific measurement, control, and regulation strategies. They also define interfaces to other building technology trades. Calculation services such as cost estimates and tender submissions complete the service package of iDM Project Sales.

During the execution of your large heat pump project, our project managers will accompany you at construction meetings and through to the commissioning check-in to ensure your project is successfully handed over.

Even after project handover, we will continue to support your system upon request. With the help of our intelligent system visualization iVIS, we monitor, analyze, and optimize the operation of your iDM heat pumps.







iDM SALES CORE SERVICES

We are happy to help you develop, support, and guide the implementation of a customized solution for your property. A quick email or phone call is all it takes to get to the optimal solution!

OUR COMPREHENSIVE SERVICE INCLUDES:

1. Project Preparation & Planning

- Feasibility study
- Concept development
- Cost estimation
- Calculation services
- Preparation of tender documents (if applicable
- Ongoing meetings as needed

2. Planning & Technical Support

- Planning support (hydraulics)
- Offer creation
- Project-specific sound assessments
- Equipment marking
- Interface definition
- Measurement, control, and regulation technology

3. Implementation & Construction Phase

- Construction meetings
- Support for planners and installers/system contractors during the construction phase, up to the commissioning of the heat pump system
- Commissioning check-in

4. Handover & Aftercare

- Professional handover of the system with user training
- Ongoing support as required by the customer through our factory service/customer service partners as part of the selected service package
- Individual system visualization (iVIS)

An email to **projekt.at@idm-energie.at** (for inquiries in Austria) or **projekt.de@idm-energie.com** (for inquiries in Germany) to our iDM Project Team or call us at **+43 4875 6172 1601**!
We will get back to you promptly!

THE iDM PROJECT SALES TEAM



Hannes Laister
Project Sales Management



Isabell Amoser
Assistance PVT



Katharina Egger
Assistance PVT



Lukas Kerschbaumer
Project Manager AT



Renè Berger
Project Manager AT



Harald Henikl
Project Manager AT



Marco Leitner
Project Manager AT



Markus Dürnitzhofer
Project Manager AT



Christian Kappel
Project Manager AT



Kai Kirchner
Project Manager DE



Reinhard Gion
Project Manager DE



Alexander Helm
Project Manager DE



Daniel Ries
Project Manager DE



9TH iDM PLANNER FORUM „THE URBAN HEAT PUMP“

Save the Date!

07. – 08. MAY 2025

Location	Das Walchsee Lakeside, Kirchgasse 6, 6344 Walchsee in Tirol

Take the opportunity to learn more about the latest trends in municipal heat planning, multifunctional energy source systems, as well as district solutions and apartment-based renovations of multi-family homes in urban areas.

This event will provide you with in-depth insights into the technical and economic design, as well as the legal background for the overall planning of iDM large heat pumps and residential heat pumps of the latest generation. Digital products like the system visualization iVIS and iON help increase energy efficiency in industry, commerce, and municipal heat supply, significantly contributing to decarbonization with iNTELLIGENT heat pumps from iDM.

For more information and registration, visit:
www.idm-energie.at/9-idm-planerforum/



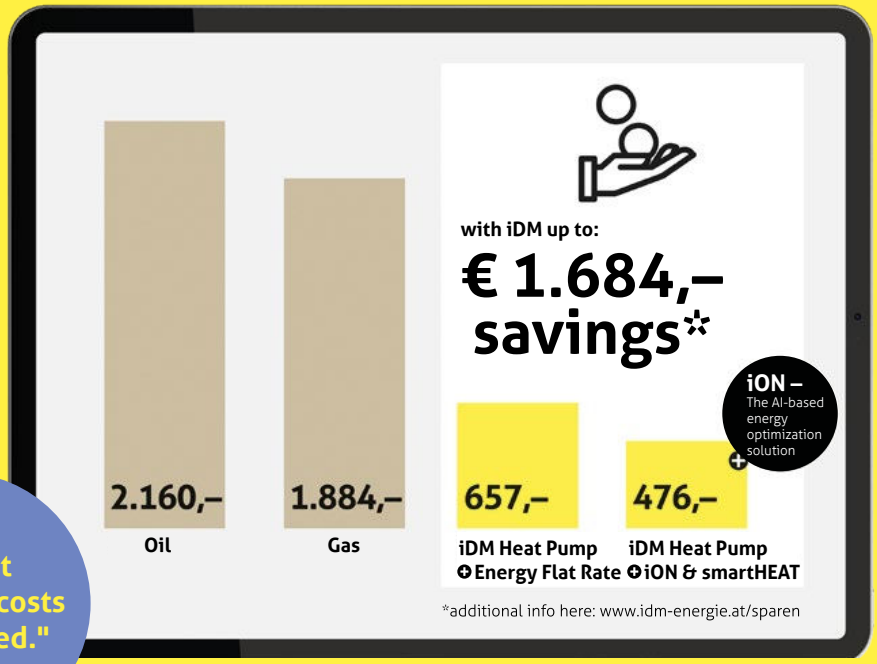







THINK SMART, SAVE MORE:

UP TO 1.684,– *EURO PER YEAR



"Lowest operating costs guaranteed."

*) Save up to €1,602 in Germany with an iDM heat pump + iON and the Mein iDM Strom tariff.
For more information, visit www.idm-energie.at/sparen



RECAP OF THE iDM KICK-OFF EVENT 2025

With our Kick-off 2025, we started the new year with great energy together with our partners. The opening evening at the Sporthotel Hohe Salve on Thursday featured a festive gala dinner – a successful introduction to an intensive and inspiring event weekend.

On Friday, we presented our new products and solutions for 2025 in Matrei as part of a diverse station-based event. Personal exchanges and numerous discussions with our partners were at the heart of the event.

The evening continued with sports and social activities: a group tobogganing session and a cozy evening at the Würfele Hut ended the day in high spirits.

The weekend concluded with a day on the slopes on Saturday with perfect conditions and plenty of opportunities for informal exchanges.

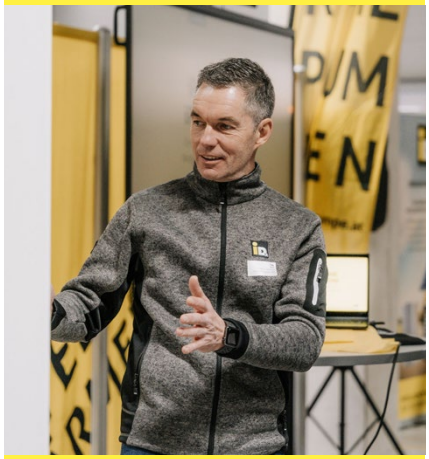
We would like to thank all participants for their engagement, positive energy, and a successful start to the new year!

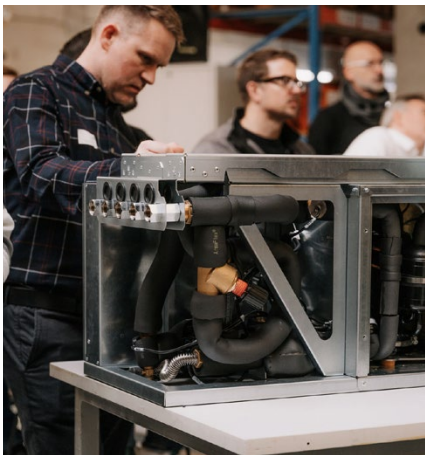





Kernfeatures







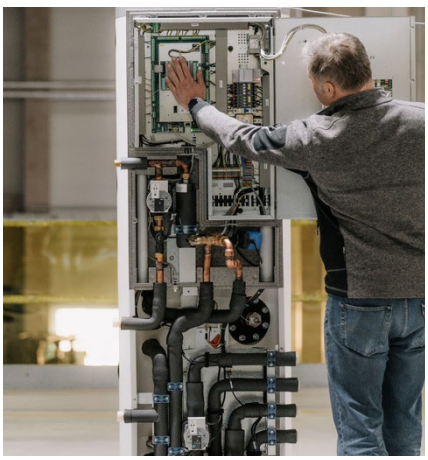

Partnerportal













HEAT PUMPS

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iDM Energiesysteme GmbH
Matrei in Osttirol, 04.2025
info@idm-energie.com | www.idm-energie.at

Subject to changes and errors.