ZMERLY
SMART ENERGY

SETTING THE STANDARD... FOR YOUR COMFORT

Beirut
138, Marfaa Bldg, 2nd floor,
Abdul Malek Str, Solidere
+961 1 970 300

Tripoli
Bahsas, Facing Tripoli Square
+ 961 6 412 963

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zmerly.com

2024



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ABOUT US

With a wealth of experience, expertise in engineering, extensive research and development, ZMERLY & CO prides itself on providing tailor-made solutions driven by integrity and unwavering commitment.

ZMERLY & CO aimed to provide the market with the latest technologies in heating, sanitary, solar and renewable energy, and bring the highest knowledge to engineers and stakeholders.

"Setting the standard for your comfort" is our mission statement, we believe in treating our customers with respect and faith.

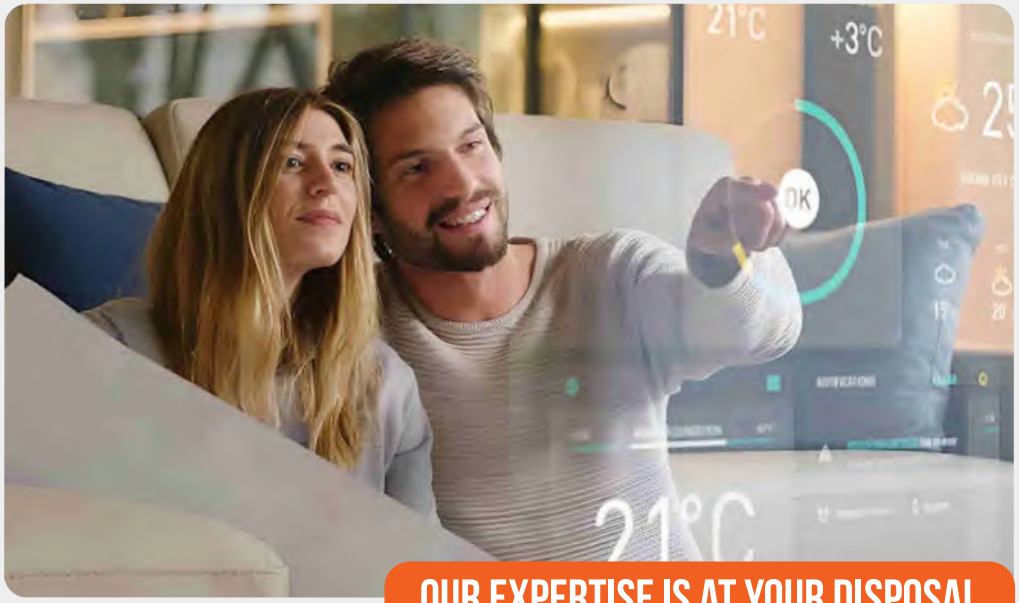
We grow through creativity, innovation and professionalism.



Our competence is focused in the following trades:

- Heating technology
- Boiler room
- Heating system components
- Piping for Heating and Water distribution
- Under Floor Heating
- Smart Heating Control
- Heating water treatment
- Solar Energy, Solar heating support,
- Solar PV systems
- Water Pumps
- Heat Pump, Geothermal Energy
- Pool heating
- Sewage Treatment and lift stations
- Central Vacuum

We meticulously select our products and brands to meet our stringent standards.
Zmerly & co thrives on proven innovative technologies and systems, delivering high-quality products and services that exceed client expectations.



OUR EXPERTISE IS AT YOUR DISPOSAL

TRAINING CENTER

ZMERLY & Co's training center provides training for engineers, architects, students, and plumbers.

Dedicated Educators are lifelong learners

Our Interactive Training Center is equipped with the highest technology devices and systems.

Reserve your seat at our website
www.academy.zmerly.com

ZMERLY HEATING ACADEMY

TECHNICAL SUPPORT AND AFTER SALES SERVICES

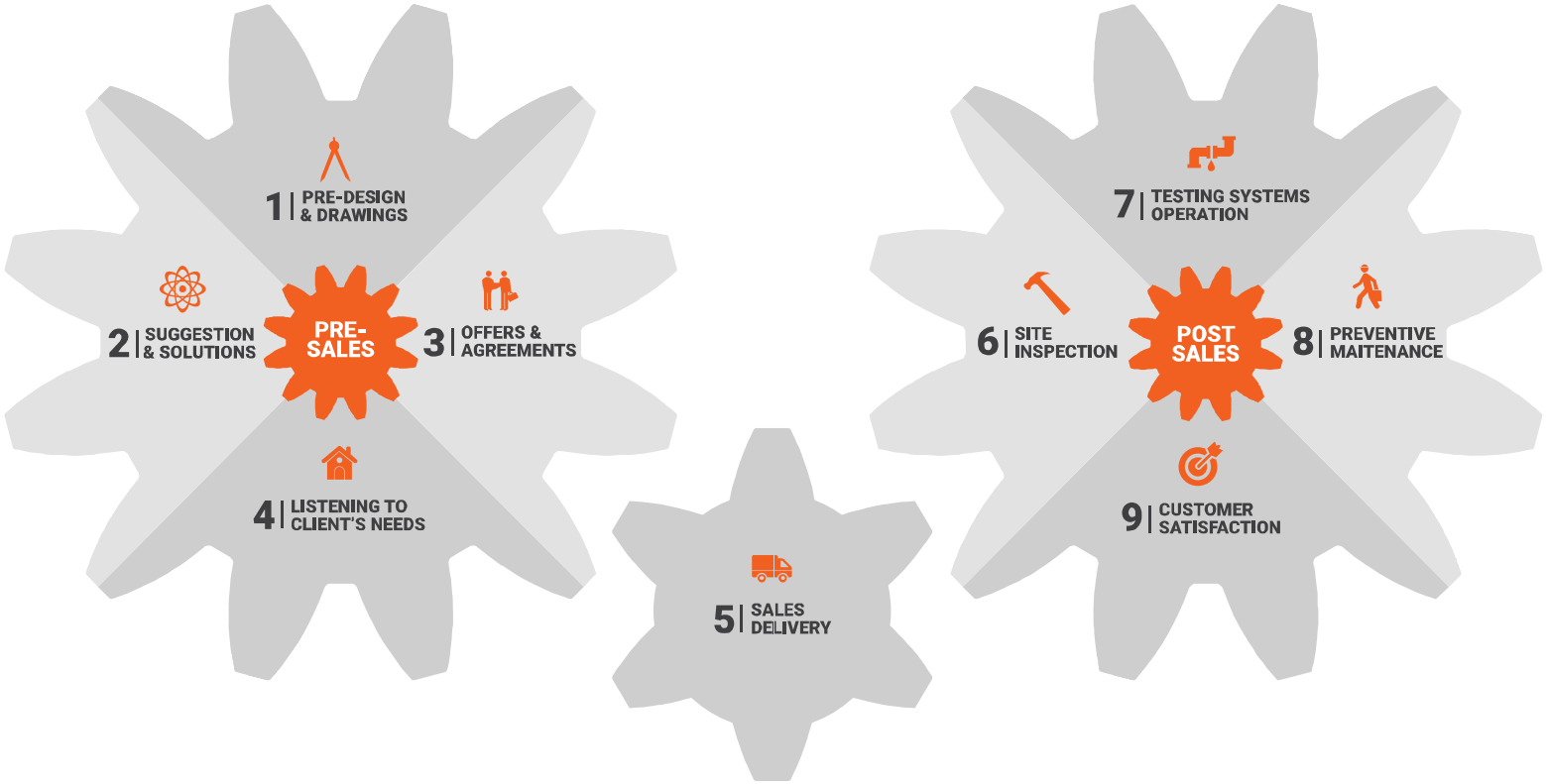
Our highly skilled teams of technicians and engineers are ready for any technical support, to ensure a system unequalled in performance and quality.

Our sister company WIKAYA Sarl was established to serve our clients in the best way.
It provides after sales services for your entire heating system, Gas or Fuel Boiler, Burner calibration, Heating Circuit components, Under Floor Heating, Solar Energy, Heating Control and other related trades. Give your equipment longer life, and keep it working in the most comfortable, economic and ecological way.

www.wikaya.com

WIKAYA
For Preventive Maintenance

OUR PHILOSOPHY





Achievement and Awards

At ZMERLY & CO we are very proud of the numerous awards we have won locally and internationally. These awards demonstrate independent endorsement on our people and the quality and innovation of our products and services.

2019

ISO 9001:2015

Zmerly and Co, the management system of the company has been certified according to the standard ISO 9001:2015 by Bureau Veritas Certification.



2019

Energy Awarness Award

Zmerly and Co, Winner of Energy Awarness Award for the Private Sector Organized by UNDP and IPT Energy Center (IPTEC), EAA is a program that recognizes significant contributions of the public and private sectors including business, youth startups, entrepreneurs and academia in integrating sustainable practices within their fields and promoting energy sustainability in Lebanon.



2019

AEE Regional Award - Washington

Zmerly and Co, Winner of best Corporate Energy Management in the Middle East.
The Association of Energy Engineers (AEE), of over 18,000 members, is presenting the regional awards to individuals and organizations around the world recognized for their dedication and performance in the energy industry.



2019 - 2020

Energy Globe Award - Austria

Zmerly and Co, Winner of best Corporate Energy Management in the Middle East.
With more than 187 participating countries and over 2000 project submissions annually the Energy Globe Award is today's most prestigious environmental prize worlwide.



2018 - 2021

Mena Green Building Award - Dubai

Zmerly and Co, Second Place, Training Initiative of the Year.
In its first participation at an international award, Zmerly and CO was selected among the finalists in addition to the two Giants CCC and Emaar, at the event organized by Emirates green Building Council EGBC in Dubai.

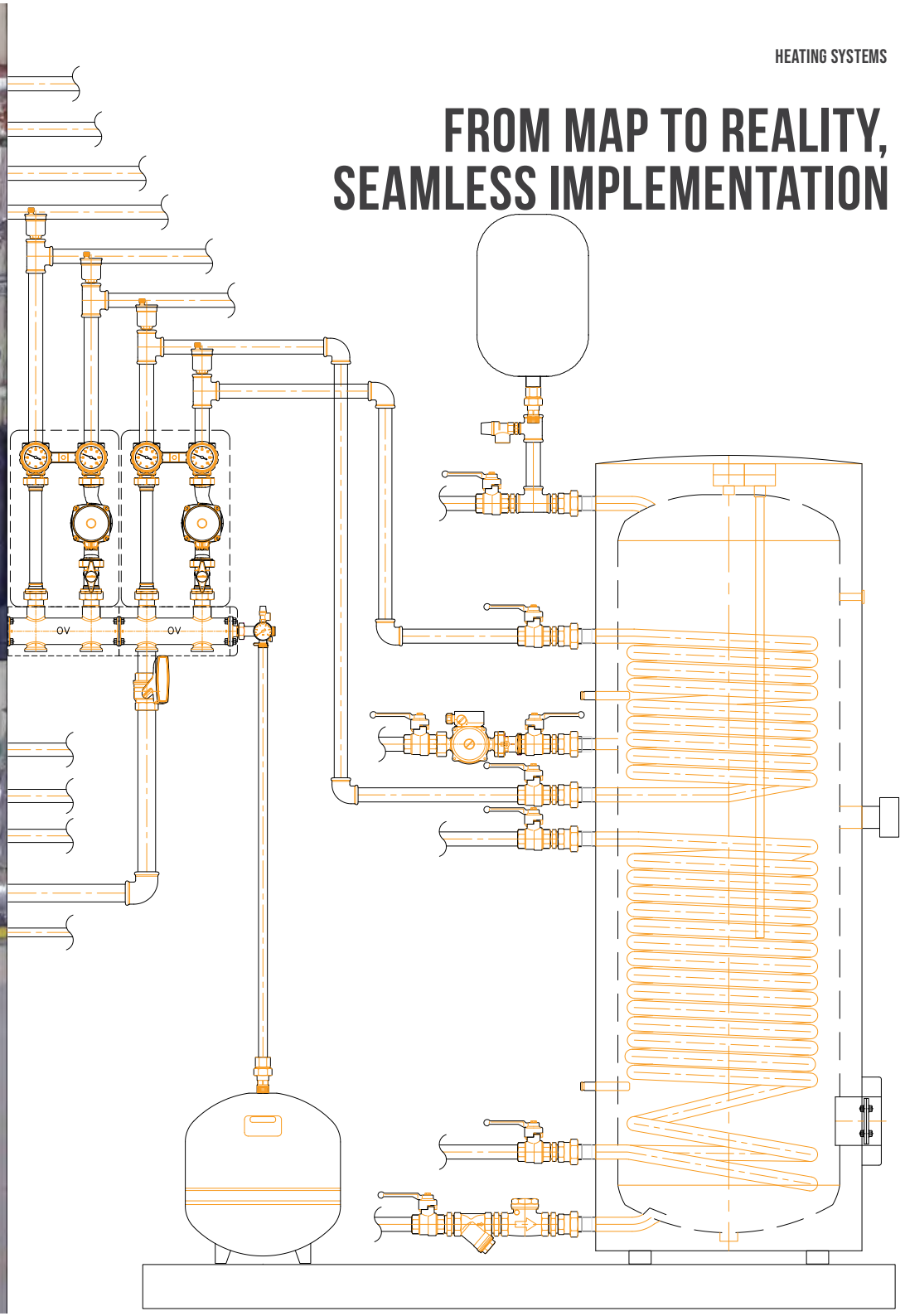
ZMERLY
SMART ENERGY



HEATING SYSTEMS

FROM MAP TO REALITY, SEAMLESS IMPLEMENTATION





HEATING SYSTEMS

You are Home Owner, Consultant, Contractor, Developer, or Installer; our engineers will assist you in finding quality system that meets your expectations. Accurate design using market leading software and extensive experience will ensure that the equipment supplied will match all the requirements of your property.

It's about your comfort! Take the right choice.



In our vision, a heating system is:
Economical, efficient, reliable, safe, comfortable, simple, easy to use, ecological, modern, complete and innovative.

SYSTEMS

1



Radiators

Steel Panel radiators offer the flexibility of more than 2000 sizes, and an exquisite finish and surface.
Ranging from profile, flat, premium, steel panel radiators are the core of decorative heating elements, combining high output with balanced radiation convection rate, and offering efficient, economic heating.

2



Floor Heating

Under floor heating is about uniform heat distribution, comfort, healthy safe heating, and freedom for interior design and luxury.
Zmerly & Co provides solutions for under floor heating for new and renovating homes, residential, commercial and industrial buildings with OVENTROP Gmbh first-class quality products.

3



Heat Source

A lot of research, design, products, and technologies are invested to meet our concept for the core of the heating plant.
We can proudly say that boiler room is ZMERLY & co's field of expertise.
The choices are unlimited ranging from compact domestic boilers to big plants cascade boilers, working on all types of fuel.
Heating systems with regenerative energy sources from solar heating, heatpumps, renewable energy are integrated in buffer energy storage tanks optimizing efficiency of the system.

4



Heating Circuit

We balance incorporating the latest components and technologies with project budget and its best interest.
First class products guarantee a long lasting service life without malfunctions:
Boiler headers, pumps kits, decouplers, heat exchangers, variable speed circulators, safety equipment, valves, and complete fuel equipment.



5

Smart Heating Control

By intelligently adjusting the heating system operation to compensate for indoor and outdoor temperature changes, temperature swings are eliminated.
It makes your heating system more efficient to provide you significant savings on your bills and an optimum level of comfort, and maximizing performance.
The smart home has arrived, our Smart Heating Controllers allow controlling, monitoring, changing the settings, and getting fault notifications from the heating system in your house.



6

Hot water production

Hot water production is correlated to heating plant, thus comfort and economy will be reached by managing heat sources in an intelligent complete system.

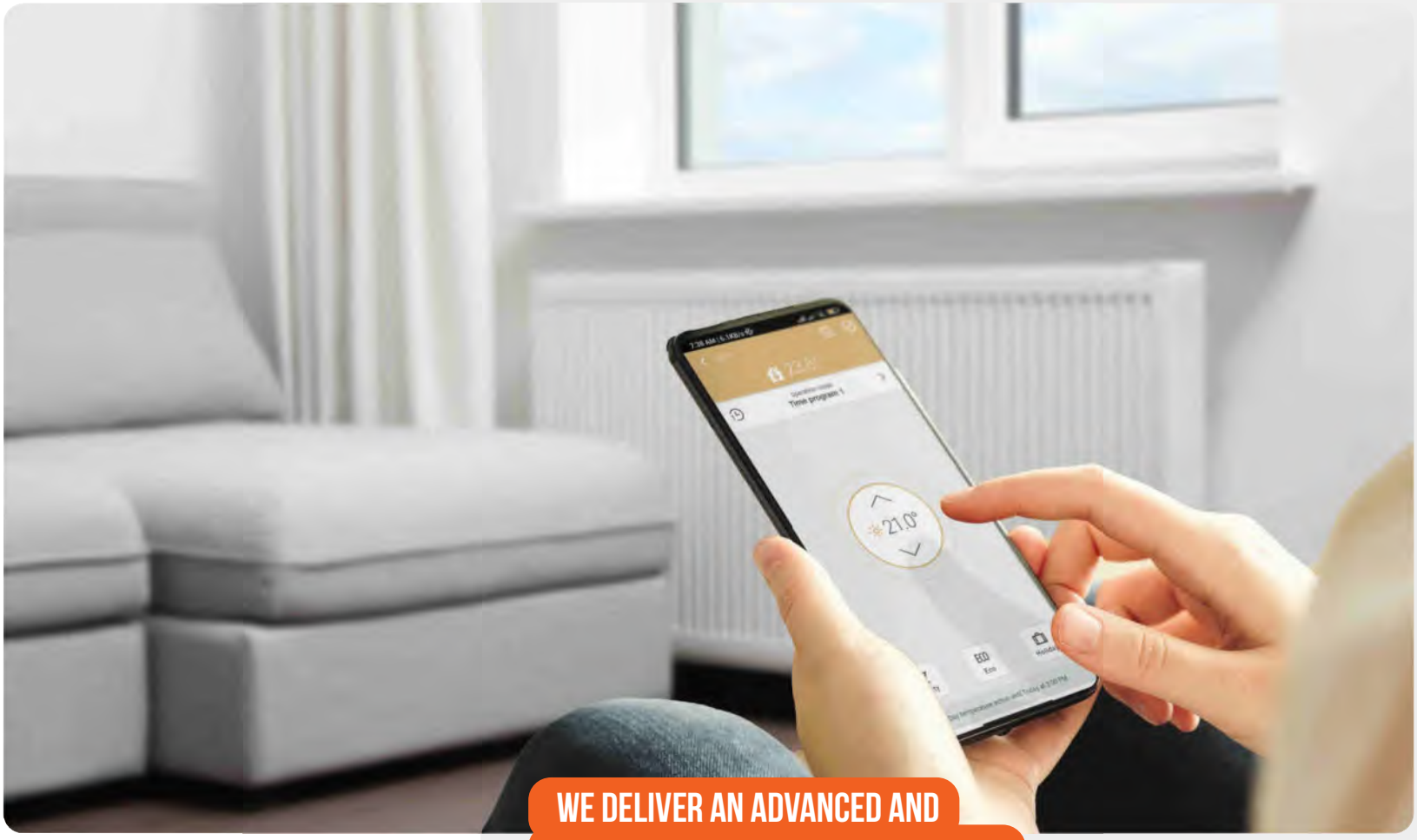


7

Heating water treatment

To protect your system, we provide several procedures and products such as air and dirt separators, filtration technologies, chemicals and inhibitors.

Providing after-sales service and preventive maintenance is also a crucial aspect of being a reliable partner.
This means being available to address any issues or concerns that arise after the initial sale and taking proactive steps to prevent future problems.



WE DELIVER AN ADVANCED AND TRUSTWORTHY UNDERFLOORHEATING SYSTEM WITH TROUBLE FREE OPERATION

ZMERLY
SMART ENERGY



UNDERFLOOR HEATING

EXPERIENCE THE LUXURY OF A HEATED FLOOR

UNDERFLOOR HEATING

In days where the maxim is “Save energy”, surface heating and cooling is becoming more and more important, offering comfort temperatures economically.
As low temperature heating, this solution can be supplied by renewable energy, like solar energy, heat pumps, and condensing boilers.

More than 25 years of experience in floor heating design and installation on a variety of projects, from private villas, towers, to commercial buildings and big projects with a reference list we pride.

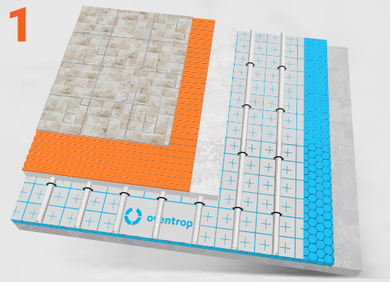


oventrop

Our expert engineers will assist customers selecting and designing suitable solution, from diverse systems by our German partner OVENTROP Gmbh .

SYSTEMS

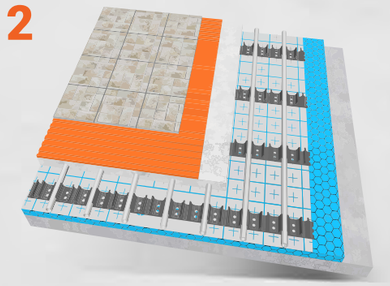
1



Tacker System

Simple and lowest budget system where pipes are stappled on the aluminum grid grid foil and insulation.

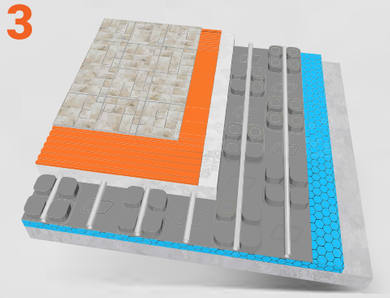
2



Clamping Rail System

Rails reduce puncturing insulation and make installation suitable also for wall heating.

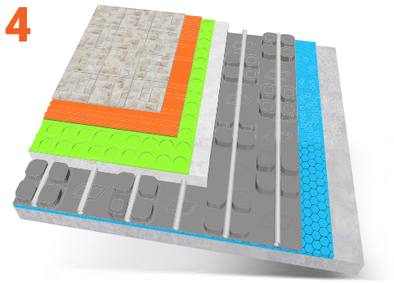
3



Base Mat System NP

Organized installation, faster heating performance, higher conduction from pipes surface, less concrete in the thermal screed.

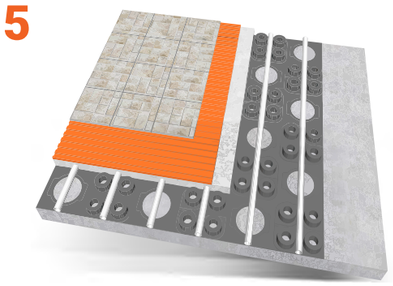
4



Base Mat - Slim

Uncoupling membrane reduces system’s thickness, improved load and heat distribution, less expansion joints, no need for screed drying before tiling.

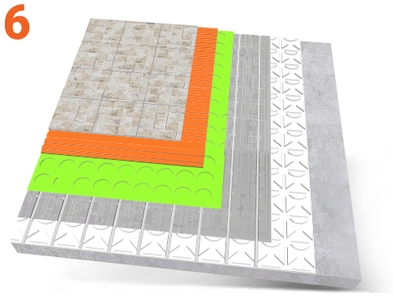
5



Base Mat – Ultra Slim

With self leveling screed, suitable for renovation, fast heating.

6

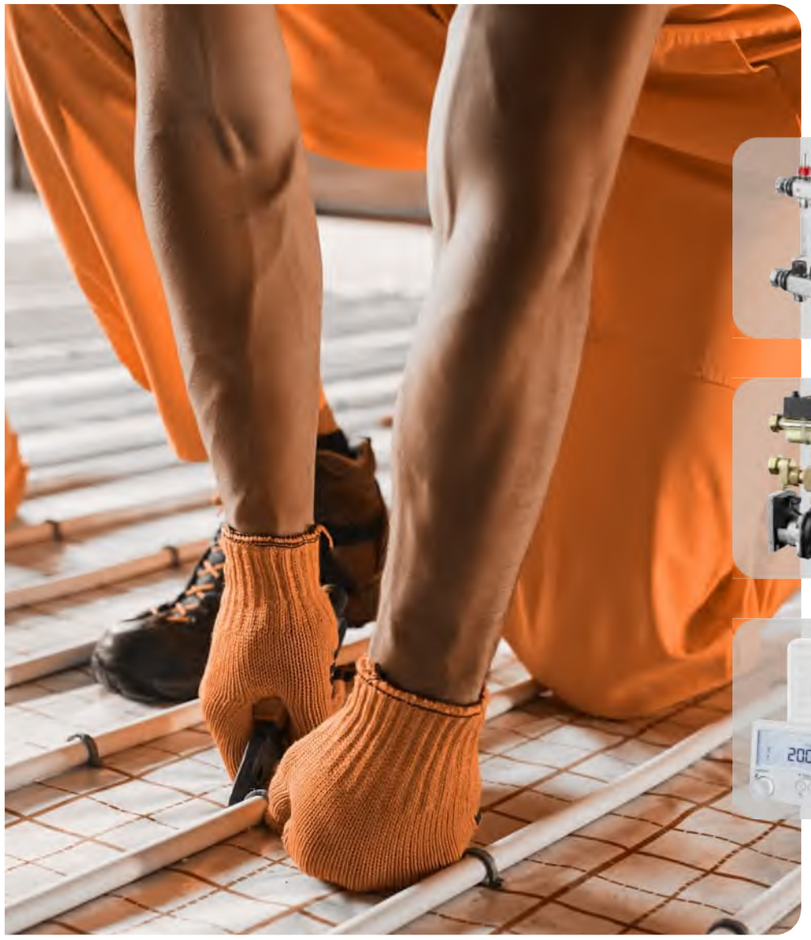


Dry Build – Ultra Slim

Suitable for renovation, no liquid screed needed, optimal heat output, no thermal storage and best heating distribution.

ZMERLY & co

Highly qualified technical team follows the European standards and guidelines in installation, testing, commissioning and operation.





Multidis SF Heating circuit manifold



Regufloor HN Control station



Basic set - Surface heating with wibutler pro

Oventrop German Tubing used is PEX-C pipe oxygen barrier, or Pex-AL- Pex C with 50 years warranty.
First class quality products of highest standards and latest technical innovation.

We present ourselves as your reliable and personal partner from planning and design, through the whole process, and ensuring the best after sales service and preventive maintenance.



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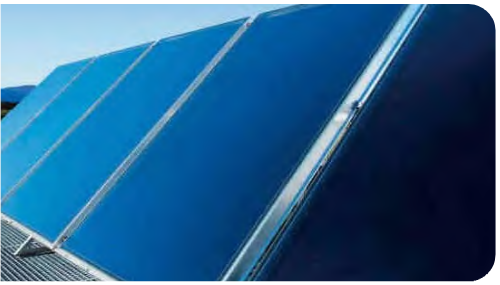


RENEWABLE ENERGY

RENEWABLE ENERGY

Switching to clean sources of energy, is not a choice anymore, it is the path to address not only climate change but also air pollution, health and energy security.

Solar Thermal



Whether it s a thermosiphon heater or a forced circulation system, we firmly believe that solar energy is an investment which is amortized in a period of 3-5 years and has an **average lifetime of more than 20 years**.
Solar power can be used to heat domestic water, pool, Jacuzzi, heating coil, radiators and floor heating.

We offer efficient smart energy storage systems and water tanks, high quality solar collectors, complete with finest accessories and equipment and managed by smart solar controllers ensuring seamless operation.

Solar Photovoltaic



Residential, commercial, industrial, institutional, or healthcare, no matter the sector energy efficiency and sustainable sources are required nowadays especially in electric energy.

Using our Engineering knowledge and tools, we aim to deliver optimal PV systems, with its **reliable structure**, designed to be maintained easily and integrated with buildings architecture, where **safety** is our lead in all process.

Choosing from a wide range of panels, inverters, and battery banks we customize a complete system to be most cost effective, increasing its added value and competitive advantages.

Heat pump and Geothermal Energy



Harvesting the low-level heat energy in the environment or the earth, heatpumps are the future of home heating: A versatile and efficient clean energy source with **up to 85% savings.**

Whether it's a Air/water type, Water/Water type, or Ground/Water type, it can be effectively combined with systems that work at lower temperatures to ensure:
- Space heating
- Domestic hot water heating
- Swimming pool heating
- Pre-heat for industrial applications



ZMERLY & CO IS RECOGNIZED AS QUALIFIED ENERGY SERVICE COMPANY (ESCO)

Developing, designing, building, and arranging financing for projects that save energy, reduce energy costs, and decrease operations and maintenance costs at customers' facilities.

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SEWAGE TREATMENT

SEWAGE TREATMENT

From concept through design, sizing and installation, to maintenance, our engineering department offers you a complete solution for waste water treatment. Made by REDI ISEA, the specialized Italian company in the field of drainage system, a "turnkey" solution, is provided to take care of the project, materials, assembly and testing.

Grown with this experience, REDI has developed two types of highly efficient installations, intended for effluents treatment based on the concept of activated sludge system.
Standard modules of rotomolded polyethylene for single habitats and small residential complexes (up to 300 EH).
Tailor made installations, intended for wastewater treatment from medium size agglomerations (from 300 to 3000 EH).

Our systems are installed in several types of buildings and applications: houses, residential buildings, hotels, resorts, campsites, marina, restaurants, fast-food, wineries, dairies, food industries, car wash, car demolishers, workshops, airports, ports, logistics areas, petrol stations, power plants, refineries, agri-food industries and others.

The systems offered are:
- Waste Water: Pretreatment plants.
- Waste Water: Secondary treatment.
- Waste Water: Tertiary treatment.
- Activated sludge system.
- Septic Tanks.
- Rain Water Harvesting.
- Grease Trap.
- Oil Separator.
- Lift Stations.

REDI ISEA




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ENERGY
SYR
NOBEL
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REDI
DEHOUST
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SWITZERLAND
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