

) (Hewalex

**Producer and distributor
RES systems**

30 years in renewable
energy market

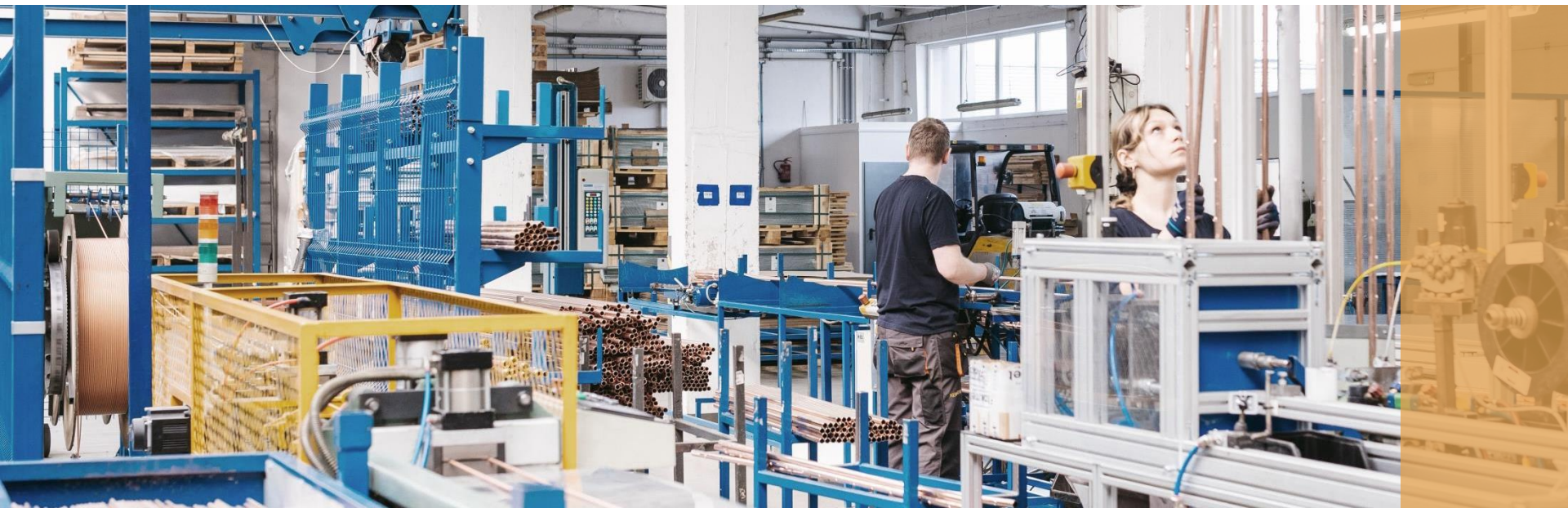
11.2022



30 years in renewable energy market

Hewalex – from vision to leading manufacturer

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Company development - people and facilities

Czechowice-Dziedzice: the current headquarters of the company and plant production since 2010

Qualified staff of almost 200 employees and over 15,000 m² production and office area.





Ahead of the market

HEWALEX, operating since 1990, was the first company in Poland that focused on producing solar collectors.

Continuous pursuit for improvements, innovation, high-quality as main drivers of company's development.





From vision to leading manufacturer

What distinguishes our company is the innovative production technology as well as care for the highest quality and efficiency of products in our offer.

We continually improve our products to meet the high expectations of our Customers.





Our ambitions are innovation - base for the development

2007 – the first line of ultrasonic welding in the Poland

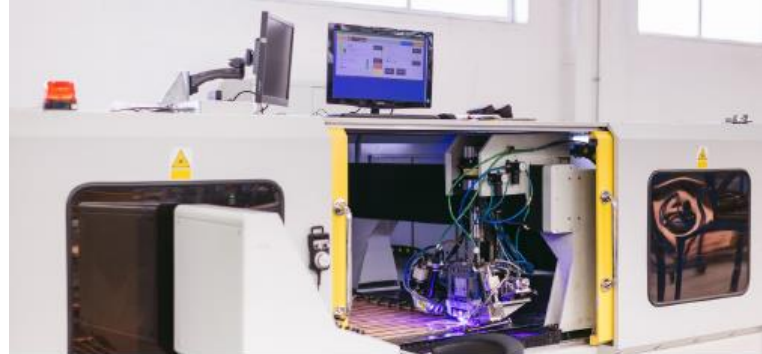
2011 – the first laser welding line in the Poland

2013 – the world's first series-produced aluminum
absorbers

2014 – European development projects

2015 – implementation of IT solutions for RES

2020 – innovations in the production of heat pumps

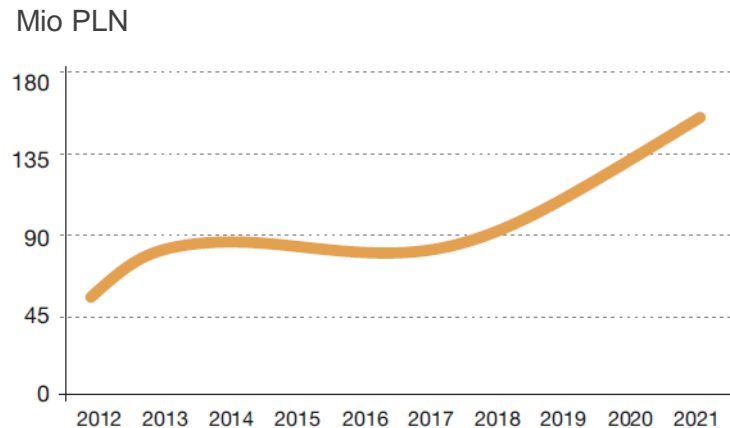


Development of the enterprise and increase in the value of revenues

Increase in the value of annual revenues:
4 times in 2021 compared to 2012

New or reorganized company departments in recent years, such as:

- Heat Pump Department,
- EKONTROL Department,
- R&D department,
- Photovoltaics Department.



International certification & Adaptation to Customer requirements

- ISO 9001:2015 - Quality management system
- Solar Keymark for solar collectors
- EHPA-Q European Quality Label for heat pumps (monoblock)
- European Market Certification for heat pumps – products on the BAFA list (Germany)
- Country-specific certification, e.g. Spain, France, USA, Saudi Arabia, Ukraine



Production possibilities and technology

Participation in international research and development projects

Examples of our products applications

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Scale of implementation RES investments

- Over 250.000 RES installation
- Produced over 1.400.000 m² of flat plate collector area
- Over 20.000 heat pumps in operation
- Presence on over 40 markets around the world in different climate zones.





Where can you find our solutions?

Swimming pools, sports halls.

Hotels, mountain hostels.

Office buildings and public buildings.

School facilities, dormitories, laboratories of schools and universities.



Participation in international research and development projects

Final of works under the international research and development project SunCool - production of solar collectors with an integral cooling production function.

Sweden

Karlstad / 2014 / 180 m²





Participation in international research and development projects

Turkey, Ankara / 2016 / 60 m²



Poland, Czechowice-Dziedzice / 2017
training system (R&D)





Examples of our products applications

Swimming pool facilities / Amman / 2016

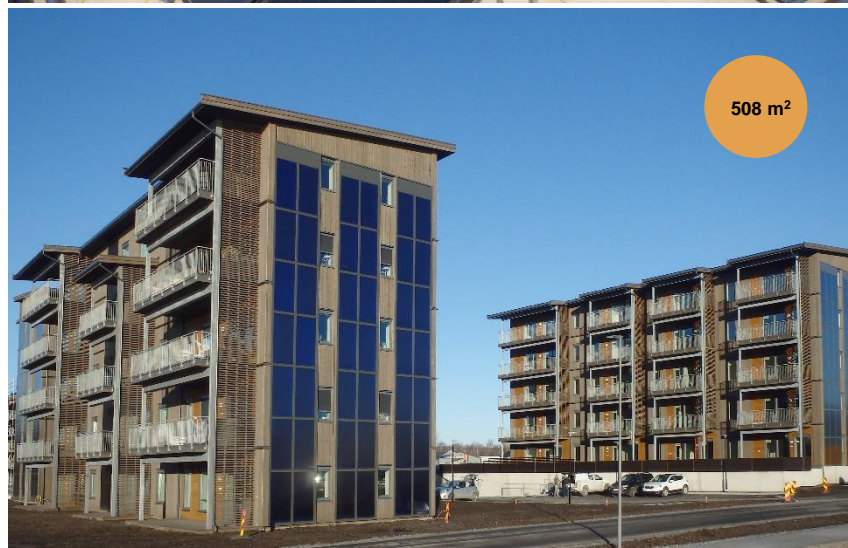
number of collectors: 180

total area: 360 m²

Multi-family buildings / Fredrikstad / 2019-2020

number of collectors: 254

total area: 508 m²





Industrial facilities

Reagan Foundation / Warsaw / 2021

Commercial Heat Pumps: 120 kW

Photovoltaic system: 30 kWp





**Solar, photovoltaic
installations and heat
pumps in single-
family houses.**

**Municipal investments in over 60 towns
/ Poland / 2007-2022**

Over 70.000 installations/buildings





Swimming pool facilities

Legnica / 2021

Commercial Heat Pumps: 599 kW





Industrial objects

Over 500 large solar thermal sytems
in industrial objects (2000-2020)





Hospital in a historic building

Sopot on the Baltic Sea / 2013

Large solar installation 82 m²



Examples of our products applications

Sport center / Sosnowiec / 2018

number of collectors: 128, total area: 333 m²





Examples of our products applications

Medical facilities / Warsaw / 2015

number of collectors: 160

total area: 320 m²

Building of the Ministry of the Environment / Warsaw / 2015

number of collectors: 30

total area: 66 m²



Examples of our products applications

Treatment and rehabilitation facility / Jedlec / 2016

number of collectors: 70

total area: 140 m²



Swimming pool facilities / Kędzierzyn Koźle / 2019

number of collectors: 66

total area: 132 m²



Examples of our products applications

Medical facilities / Kraków / 2018

number of collectors: 320

total area: 832 m²

Medical facilities / Kraków / 2018

number of collectors: 310

total area: 806 m²



Examples of our products applications

Multi-family buildings / Kutno / 2016

number of collectors: 98

total area: 255 m²

Multi-family buildings / Poddębice / 2007

number of collectors: 744

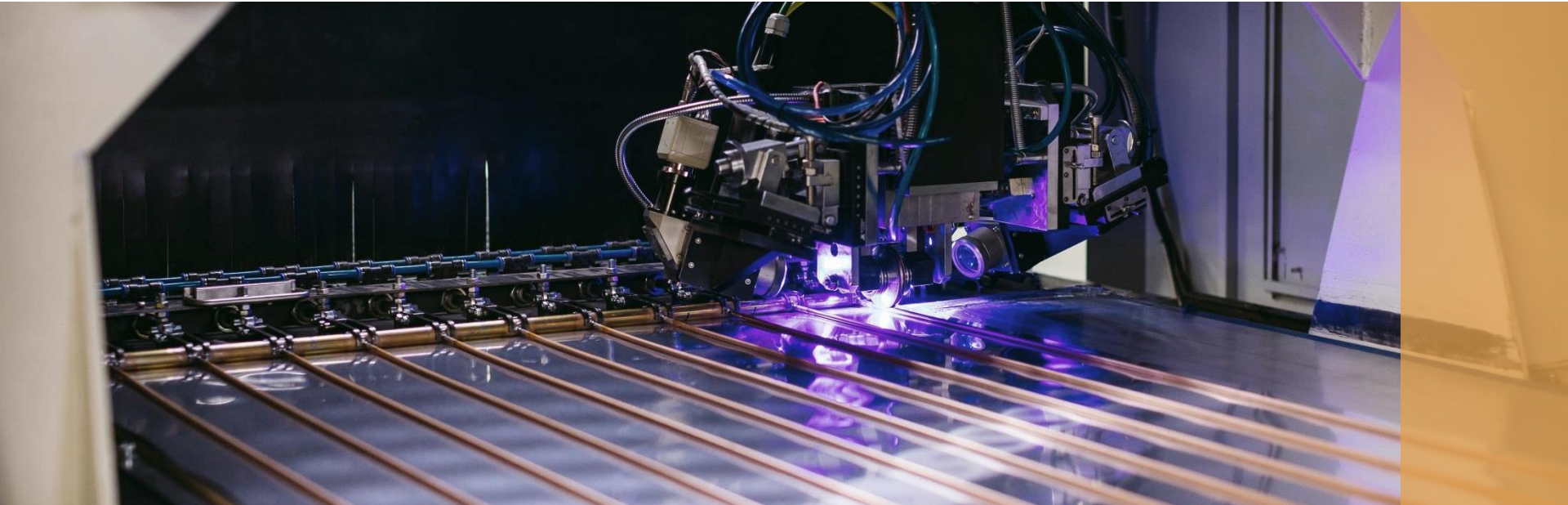
total area: 1488 m²



Our products

Leading manufacturer of solar thermal systems and distributor of renewable energy equipment

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Production and distribution 3 basic renewable energy segments

- Solar panels
- Heat pumps
- Photovoltaics



We design and manufacture our products as well as use components from recognized brands.

We produce OEM products for our Customers as well as adjust our products to their specification.

Our systems are suitable for use in residential as well as commercial and industrial buildings



Solar collectors and solar technology – our main product

- Adaptation to work in any climate
- 10-year warranty as a standard
- Solar Keymark certification
- Own production and for OEM customers





Accessories for solar installations - our own solution

The new series of pump groups has been designed based on 30 years of experience in the production of such devices.

The new ALEX pump group provides an even higher level of functionality and customizability.





Heat pumps with additional equipment

Wide offer of heat pumps

PCCO MONO and SPLIT
– to heating and cooling

PCWB – for water heating
swimming pool

PCWU – for heating
domestic hot water





Commercial Heat Pumps

- Extended working area: outlet water temperature up to 60°C, minimum outside temperature -20°C
- Compressor in EVI technology – increased efficiency and heating power
- Full safety – advanced solutions for frost protection – construction and automation (in case of power failure)





Photovoltaics

Cooperation with appreciated producers of photovoltaic panels, inverters and accessories.

Production of PV panel mounting systems, OPTI-ENER automation for building energy balance management.





System EKONTROL and OPTI-ENER

EKONTROL - dedicated tool to control the operation of renewable energy devices using mobile application and desktop version.

EKONTROL DIAGNOSTICS – automatic diagnostics of PCCO heat pumps operation, including reporting and service recommendations.

OPTI-ENER - energy balance management system building, optimization of energy consumption from its own sources (PV installation) for increased profitability investments (self-consumption).



Development plans

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Company developments plan

- Development of solar technology as energy-efficient and environmentally friendly as possible (a visible trend of returning to solutions in European countries),
- Development of the heat pump offer - especially of the monoblock type with the possibility of operation on the water with protection against low temperatures (PZ HX module)
- Development of export devices to markets mainly in Western and Southern Europe





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