

Solar Industrial Solutions



solar

Energy-efficient solutions for the industry



Companies are met with continuously increasing demands and requirements regarding sustainability. In order to accommodate this and reach the targets of the Paris Agreement to mitigate climate change, we must all work to accelerate the green transition. An important contribution to this is the electrification of society for example by phasing out fossil fuels and installing heat pumps, which provide many benefits:

- **Less CO₂ emissions:** A heat pump emits significantly less CO₂ than a gas- or oil-powered boiler. If you replace gas with an electrical heat pump, it can make a big difference to the company's CO₂ accounts.
- **Economic benefits:** A switch from gas to electrical heat pumps typically results in a large saving on the energy bill. It is also important to look at the COP value, which is the ratio between the amount of electricity you use and the heat you get. Here you get 3-4 times more energy for your money with a heat pump than with gas. In addition, there is a sense of security in the fact that electricity prices fluctuate less than gas prices.
- **Long lifespan:** Although a heat pump investment may feel like a big financial decision, heat pumps have a very long lifespan, meaning that you will have good and cheap heating for many years before another investment needs to be made. A heat pump is always a good choice in new constructions and renovations.
- **A strong image:** Replacing fossil fuels can help brand the company more sustainably. This is beneficial both when recruiting new employees, and also an important parameter concerning customers, who demand more than ever before.
- **Energy security:** With a heat pump, you have double security of supply. If the heat pump for some reason does not work, you still have electric heaters that will provide energy to your company. This can be crucial for especially production companies, where downtime can be expensive.



Legislation that affects you

The EU's reporting directive on sustainability, the Corporate Sustainability Reporting Directive (CSRD), imposes extensive requirements on the information that must be presented in companies' sustainability reporting. Although CSRD is only a requirement for listed companies, it involves more subcontractors than ever. Therefore, small, and medium-sized enterprises can also be affected by the new requirements, which include reporting figures such as CO₂ emissions throughout the value chain.

Choose Solar Industrial Solutions as your partner

Solar Industrial Solutions is a dedicated sales unit working with project planning and sales of energy-efficient solutions for the industry.

We offer the expertise you need in

- Inspection
- Project management
- Planning
- Sales

- Recording
- Implementation
- Technical support
- Applying for subsidies and approvals by the authorities

Let us be your partner throughout the entire process and help you with the best solution.



We needed a partner, who was both project manager, and able to ensure calculations, hire contractors, offer products, etc. This has been Solar's role, and they have coordinated and taken a good responsibility. We have had handover and introduction to the products, and we have generally had a very smooth collaboration.

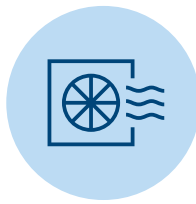
Bjarne Dahl, Technical Operations Manager, Salling Group

What we offer

- Full-scale project organization with a single point of contact
- Project design, CAD, and revit drawings
- Energy calculations
- On-site inspections
- Project implementation and management
- Documentation, service and warranty
- Commissioning including performance test
- Danish-produced highly efficient industrial heat pumps
- Products running on R290 refrigerant (NOVA)
- Highly skilled design and project team
- All required certificates
- Financially solid company that takes sustainability seriously



Finding the right solution together



Choosing the right products and installation



Calculating your energy savings and carbon footprint



Guiding you through the entire process



Monitoring, operating and maintaining the solution through the entire guarantee period

Let us help you with the right heat pump

Solar owns a part of the Danish heat pump manufacturer ThermoNova, which develops solutions for the industry. In the range, you will find KITA air/air and NOVA air/water - both with unique properties.

KITA air/air is built with steam injection technology “smart injection” which ensures the heat pump’s operation down to an outdoor temperature of -33 °C. The heat pump’s technology automatically adapts to the real heat demand and runs with an impressively low noise level. KITA can both heat and cool.

Five reasons to choose an air/air heat pump:

- Simple installation
- Good heat distribution
- Low-cost heat
- Better for the environment
- No need for traditional system piping

NOVA air/water is delivered directly from the factory, craned into place, assembled, and ready to operate. We carefully plan every detail to achieve optimal comfort and reliability.

We persistently work to minimise the climate impact, but since emissions are always a small risk, the cooling circuit of the NOVA series is equipped with the natural refrigerant propane gas R290.

NOVA heat pump is equipped with a unique monitoring platform with data logging, which provides deep insight into how the heat pump works and performs. The platform also provides additional security for competent and insightful support from the factory and local technicians.



Greenland

If you need to know more, our experts are ready to help you. Contact Solar Industrial Solutions by phone 0045 76527890 or SIS@solar.eu

You can also visit our website where you will find customer cases, brochures, and more.

Go to solar.eu/industrialsolutions



Sweden

Norway

Denmark

Netherlands

Poland

Solar Industrial Solutions operates in Denmark, Norway, Sweden, the Netherlands, Poland, Greenland and the Faroe Islands.

A trustful collaboration with Solar Industrial Solutions

A good collaboration is based on trust and security.

We are a certified and experienced partner, who delivers quality you can count on. We of course follow all applicable regulations within the area of electrical, plumbing, heating and cooling.

We hold the following certificates:



ThermoNova:

Cooling certificate
ISO9001:2015 certified
F-Gas company approval Category I
Licensed plumber

Solar A/S

Management system certificate
ISO9001:2015
ISO14001:2015
F-Gas Certificate - Category III + I