



Green image: Retailer with direct self-consumption system for logistics center

ASKO Food Logistics, Norway

Photovoltaic systems for self-consumption are a worthwhile investment for any business. They not only strengthen your image as a green company, but can also help you ensure your competitive edge and independence over the long term. Even in low-sunlight Norway photovoltaic systems for businesses currently produce electricity at a cost of around 10 cents per kilowatt hour — making PV power far less expensive than public electricity.

» Thanks to the knowhow provided by IBC SOLAR and the project execution by Solenergi FUSen of Norway, it took only nine days from mounting the first PV module to the actual production of electricity. Local competence for electricians and roofers has been built up, and this large-scale project paves the way for more projects in the future, both small and large scale. «



André Tangerud, ASKO Øst AS

System information

■ Annual energy demand:	2.8 GWh
■ Plant size:	370 kWp
■ Photovoltaic system costs:	€600,000

Decrease electricity costs and maintain your image with photovoltaic systems for self-consumption.

Benefit from minimal electricity costs, become independent and plan for the long term.

The challenge

- ❑ Retailer:
Food cooling systems with constantly high power consumption levels
- ❑ Target: Make company climate-neutral to promote green image
- ❑ Power outages have severe negative financial consequences

IBC SOLAR's solution

- ❑ Premium Partner: Cooperation with trained solar specialist on site - Solenergi FUSen AS
- ❑ Customized PV system for self-consumption: Planning, plant design & construction supervision during a period of just nine days
- ❑ 100 % IBC SOLAR components: Mounting systems, modules, inverters

Result

- ❑ PV pilot project: ASKO a pioneer of the Norwegian solar industry; additional systems in planning stages
- ❑ Reduced energy costs thanks to 100% self-consumption
- ❑ Financial planning security: electricity expenses can now be planned long-term

Think of tomorrow's solutions today.

These food wholesalers have very high electricity needs as a result of their energy-intensive cooling system. Their consumption profile is practically identical on every day of the week, since the cooling system requires energy on weekends as well. These two factors result in a 100% self-consumption ratio: ASKO is able to use all of the energy its PV system produces, which helps lower electricity expenses.

But the photovoltaic system provides ASKO with more than just financial advantages: the company places great importance on being viewed as environmentally sustainable, and has climate neutrality as one of its long-term goals. Photovoltaics will play a key role in helping them achieve that aim. The pilot project in Vestby represents an important first step in that direction: At the time of its commissioning, the system was the largest of its kind in all of Norway, and now serves purposes of scientific study while also acting as a model for many other systems.



André Tangerud, Executive Director of ASKO, and Thor Christian Tuv, CEO of FUSen, commissioning the 370 kWp system.