

The Solar Manufacturing Accelerator presents:

NorSun



Project: Solar monocrystalline silicon ingot/wafer factory expansion



CO2 emissions reduction
2.7 million tons CO2



Production capacity
4-5 GW by 2023-24



Jobs created
400 direct jobs, around 2,000 indirect jobs



Total investment
€ 300 to 375 million



Waste management and recycling



Locations:        

Founded in 2005, NorSun is a producer of premium monocrystalline silicon ingots and wafers for the **high-end PV market**, and a long-time supplier to high-efficiency tier-1 solar cell manufacturers. The wafers have a **uniquely low CO2 footprint** thanks to its production from hydro power and natural cooling water as well as the thin diamond wire technology used for wafer slicing. The technology also allows an energy and material efficient production and is based on **recycling of key materials** such as silicon, argon and kerf. Technology and innovation developed by NorSun provides for highest productivity, best quality and safe operations, which together with a **high degree of automation** will ensure competitiveness.

NorSun's production facilities are **located in Årdal, Norway and headquartered in Oslo**, currently employing 220 employees. NorSun is currently ramping up the annual production capacity from 450 MW to 1 GW by the end of 2020, reducing unit costs by 30%. NorSun has already secured €50 million including support from Norwegian Governmental Organizations ENOVA, Innovation Norway, and Nysnø Climate Investments. In the next phase, NorSun is planning to **expand to 4–5 GW by 2023/24**.