

Environment and energy

As an owner-managed company, we understand responsible corporate governance to mean protecting people and the environment. With our knowledge of the interrelationships between technical, economic and ecological systems, we actively work on designing technology that is socially and environmentally compatible. Our developments and applications aim to continuously improve working and living conditions.

Self-commitment

The SAR Group is committed to using its energy, water and other raw materials responsibly and with an eye to the future. We respect and protect nature as the basis of life for future generations and consider the ecological consequences of our economic activities.

By reducing CO2 emissions and using renewable energies, SAR can make a positive contribution to climate protection and reduce its ecological footprint in the long term.

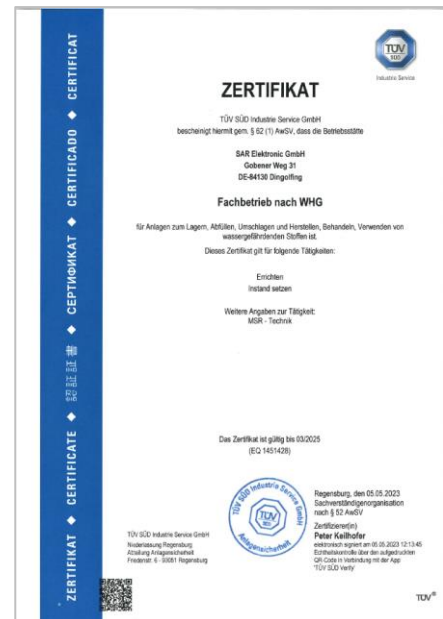
Concrete measures

In recent years, a positive contribution to the environment and energy has been made at various levels. Here are some examples of ongoing and completed measures:

- We have been relying on renewable sources of electricity for years. At our main site in Dingolfing and at our solar park in Hartmannsdorf, we generate over 2 million KWh of electricity annually using photovoltaics. This is significantly more than all SAR locations worldwide consume in electricity and corresponds to an annual saving of around 1,000 tons of CO2.
- As a further energy-saving measure, the lighting in almost all buildings was converted to LED technology.
- At SAR in Dingolfing, we rely on renewable heating and cooling sources. Back in 2011, all oil heating systems were replaced by a central biomass heating plant, fed with pallets from regional production. It supplies all buildings on the company premises with heat. In summer, the air conditioning systems are powered by the electricity generated in-house by photovoltaics.
- In an energy audit, the company locations were inspected by a consultant in 2017, energy consumption was recorded and a catalog of measures was drawn up.
- In IT, we use high-quality and therefore durable branded products at all locations with an average service life of over 6 years, despite the extremely high hardware requirements of our engineers. The screens even achieve an average service life of around 10 years.



- Energy-intensive pneumatic tools have been replaced as far as possible by battery-powered tools.
- We use electric and hybrid vehicles in our fleet.
- We are a certified “Specialist company according to WHG” (Water Resources Act) and are therefore certified in the handling of water-polluting liquids. In this way, we also make a significant contribution to maintaining soil quality.
- At SAR, attention is generally paid to the use of recyclable materials and sustainable resources in all areas. Waste is reduced, for example, through the consistent reuse of packaging materials or the separation of waste (organic, paper, plastics).
- The handling of hazardous substances and hazardous chemicals is regulated in the AMS manual.
- As there are no air-polluting production processes at SAR, our air quality is perfect or unimpaired.
- Low noise emissions, due to the responsible handling of noise, serve to protect the health of our employees and animal welfare. This includes measures such as the use of low-noise technologies, the promotion of noise protection measures and raising awareness of the conscious handling of noise.
- During our production and construction work, we always ensure that the quality of the soil is not impaired in any way. Responsible planning for new construction and conversion measures ensures that land is used sensibly without additional deforestation. This also contributes to animal welfare and the preservation of biodiversity.



- Our goals

Despite our already extremely positive balance in terms of electricity production versus consumption, we have set ourselves further targets to further improve or reduce the SAR Group's ecological footprint. In addition to the topic of (old) building insulation, we see great potential in the area of “mobility” in particular.

SAR is taking action in two different areas. Firstly, we want to reduce our travel quota by a third by 2025. In other words, we want to significantly reduce employee travel by car and plane.

Meetings can be replaced by video conferences including document sharing and maintenance work or repairs by using augmented reality (AR).

The AR offering in particular has been greatly expanded since the end of 2019 and has already been used by the first customers. Instead of having our experts drive or fly to the customer, they can use AR to support and instruct customer personnel on site. This not only makes ecological sense, but also relieves our staff, saves travel costs for us and the customer and helps to reduce emissions.

The second approach to mobility concerns the use of electric vehicles. On the one hand, we would like to drive mainly “electrically” to the areas of operation up to approx. 150 km around our main location in Dingolfing by 2030, which is feasible due to expiring leasing contracts for the vehicle fleet.

On the other hand, we also need to expand our charging infrastructure accordingly. So far, we have been charging our electric and hybrid vehicles with our own PV power. We want to increase the number of charging stations to 20 by 2030.

