

PowerEdge Success Story

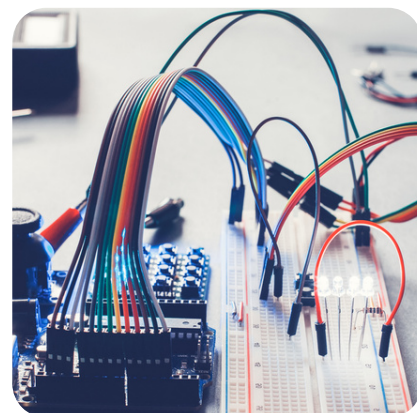


AGRO AG - SWISS INDUSTRIAL SME

ENERGY CONCEPT WITH SUSTAINABLE ESG GOALS

THE CUSTOMER

Agro AG is specialized in B2B sales of electrical components for large enterprises, electricians, and small businesses – was looking for ways to optimize its energy consumption and meet the sustainability goals set by the board of directors.



THE PROJECT

Our energy analysis delivered compelling results:

Immediate Gas Savings

We identified a new gas supplier, enabling the company to reduce its gas costs by 40%. These savings result in a significant reduction in operating expenses without requiring any investment.

Roadmap for Further Optimizations

In addition to the gas savings, we developed a clear plan for step-by-step electrification measures. These include:

Photovoltaic System (PV)

- A 150-kW PV system with an east-west orientation was recommended.
- Investment: Maximum of 200,000 CHF
- Payback Period: Approximately 6 years
- Savings Over 20 Years: Around 600,000 CHF in electricity costs and over 1,000 tons of CO₂

Battery Storage

- A battery system to increase self-consumption, reduce peak loads, and provide backup during power outages.
- Currently, the payback period is around 10 years, but falling prices and the new energy law from 2026 will make this solution more attractive.
- We identified and proposed a state-of-the-art battery and EMS (Energy Management System) solution that enables participation in the SRL (Secondary Reserve Market), significantly shortening the battery's payback period.



FURTHER RECOMMENDATIONS

Planned Projects

The planned projects include the gradual integration of LED lighting, charging stations for electric vehicles, and heat pumps. These measures are scheduled and budgeted to ensure optimal use of self-generated energy. Subsidies can be effectively utilized in the process.

A Clear Vision for the Future

Agro AG not only benefits from immediate cost savings through the new gas supplier but also gains a clear roadmap for future investments in energy efficiency and sustainability. This enables long-term planning and budgeting.

PowerEdge remains a reliable partner at Agro's side, monitoring energy prices and supporting the efficient implementation of all measures. With proven local partners and in-depth knowledge of regulatory frameworks, we guide our clients toward a sustainable and cost-efficient future.

TIMELINE 04/2024 - 07/2024