

Expertise: Sustainability, Advisory, Production Development

Industries: Energy, Energy Management and Storage, Electrification Infrastructure

Electrification in practice – A partnership for future battery solutions



Overview of the partnership

Partners:	Micropower Group and Consat Engineering
Objective:	To develop future-proof battery systems through broad technical expertise, flexibility, and rapid innovation.

Micropower is a global technology company with roots in Växjö and a vision to accelerate electrification across industry and transport. As the pace of development increased, they brought in Consat Engineering as a strategic partner to ensure access to the right competencies – and to jointly meet future needs for smart battery systems.

Challenge

Micropower needed to strengthen its battery development team to meet growing demand, increased technical complexity, and shorter product cycles.

Solution

Consat Engineering assembled a cross-functional team with expertise in testing, mechanics, and software – enabling continued high innovation pace and quality.

Scania needed a flexible and rapid approach to produce custom tools for its global production operations. Together with Consat Engineering, a seamless partnership emerged – with the entire process managed by a dedicated team in Stockholm.

A pragmatic partner

The collaboration with Consat is built on shared values: technical depth, flexibility, and long-term commitment. For Micropower, it was essential to have a partner who understands both the technology and the fast pace of the industry..

“We needed a buffer of broad yet specialised knowledge – and Consat proved to be a fantastic addition. Their technical depth aligns with our profile. We don’t see them as a traditional consultancy – but as a partner we can grow with.”

Fredrik Sööder, Head of R&D battery development, Micropower

The challenge

Micropower operates in a sector where electrification is happening everywhere – from vehicles to industrial machinery. At the same time, customer demands for complete, modular battery systems are increasing. The challenge was to maintain the speed of innovation in a rapidly expanding organisation without compromising on quality or future readiness.

The solution

By scaling up the development team with engineers from Consat, Micropower has been able to strengthen areas such as testing, mechanical design, and concept development. The collaboration includes functional testing of new software, evaluation of temperature sensors in battery packs, and design and material selection for next-generation battery concepts.

Key outcomes

- Increased R&D capacity in testing, mechanics, and systems development
- Shorter lead times in development projects
- Greater flexibility and faster customer response
- A partnership based on technical strength and long-term commitment

Summary

- Micropower needed to increase development pace for its battery solutions
- Consat Engineering provided a technically strong team with broad expertise
- The collaboration supports continued growth in electrification – with Micropower as a driving force

The result

The collaboration has enabled Micropower to stay at the forefront of electrification. With support from Consat's engineers, they've maintained a fast pace in projects, responded more quickly to customer requests, and advanced internal development – from concept to production.

“I think what Micropower wants to achieve aligns well with what Consat wants too: to grow within electrification.”

Linus Hohansson, Systems Engineer, Micropower (via Consat)

Value-driven innovations

Micropower's work plays a key role in the shift towards electrification. Through the partnership with Consat, they are meeting the growing demands for scalable, intelligent battery solutions. With technology that makes a real difference – for both customers and the future of energy use.

“I strongly believe that every roof in a city like Gothenburg will eventually be covered in solar panels. The ability to store energy is what really matters,” says Joacim Tällberg, Development Engineer, Micropower (via Consat).

Contact us

Interested in exploring how Consat Engineering can support your organisation with production development and value-driven innovation? Contact us today for more information or to schedule a demo.