



“A particularly durable power supply unit, with low consumption and all from a single source?
That’s when I called Elektrosil.”

Elektrosil developed a customised power supply that was durable, easy to install, energy efficient and thermally optimised.

THE CHALLENGE

Until now, the manufacturer of professional IT equipment used standard power supply units, which, however, offered a significantly reduced service life due to cramped space conditions, reduced cooling and high load requirements. In addition, they led to failures and frequent repairs.

THE SOLUTION

Elektrosil first selected a suitable power supply platform that met the requirements for compact design, energy efficiency and EMC.

At the customer’s request, two additional output voltages were provided for temperature and vibration sensors, which helped to reduce system complexity.

Heavily loaded or heat-sensitive components such as electrolytic capacitors were replaced by high-quality and long-term stable alternatives, and tool-free mounting on the carrier plate was made possible. In addition, a post-certification was carried out according to special customer requirements.

“In this project, we were able to fully utilise the strengths of our broad-based development team and our partner network,” says Volker Gräbner, product

manager for power supplies. “The customer got a solution from a single source without having to accept any losses in terms of know-how, development time or flexibility.”

By extending the service life, the easy-to-install power supplies saved the customer service costs and reduced downtime. The move to a customised power supply fulfilled all expectations.

OUR STRENGTHS

- Development of customised system solutions, interdisciplinary and from a single source
- Strong, regularly audited partner network
- Experience in development, production and quality assurance
- Time management for a tight project schedule
- Networked development team across all disciplines

Are you also looking for a custom-fit solution for your system and a competent partner? Then give us a call: +49 40 840001-0.

Project information

- Client: a German medium-sized company
- Branch: Industry
- Project size: 5,000 units
- Product areas: power supply, connection technology
- Services: Concept, design, assembly, final test, logistics

Elektrosil’s services

- Application consultation, development assistance, design-in support
- Quality assurance
- Engineering and production
- Completely customised applications