

Customer success story

RUGGED FLEXIBILITY

Custom Subrack & Chassis Solution



The challenge

Our customer needed a compact, high-performance chassis to support their proprietary control electronics. Their system manages critical field operations, requiring precise monitoring and reliable communication.

The challenge was integrating their electronics into a rugged and dependable rack system that could operate continuously in harsh conditions.

The solution

In close collaboration with the customer, Blue Line developed a custom subrack system tailored to their requirements.

Leveraging supplier knowledge and production expertise, we evaluated standard options but ultimately co-designed a solution that met all operational and environmental needs.

The chassis ensures seamless integration of the customer's control systems while maintaining ruggedness, scalability, and reliability.

The results



High reliability

Continuous uptime in harsh conditions.



Flexible architecture

Ready for future backplane upgrades.



Compact integration

Less cabling, simplified setup.



Faster deployment

Modular design shortened delivery time.

Key features

- Form factor: 3U height, 84 HP width, 500 mm depth
- Backplanes: Custom design
- Power: Single supply (redundant option)
- Cooling: Air-cooled
- Embedded module: custom controller card
- Compliance: EN 60068, IEC 61587, EN 61000, EN 62380

