

Optimizing Production Energy Efficiency at EXOR International

From Real-Time Monitoring to Cost per Unit Insights

EXOR International has deployed multimeters across all electrical panels in its production facilities to monitor the energy consumption of every subprocess.

The goal is to gain full visibility over energy usage, identify inefficiencies, and calculate precise energy costs per manufactured unit.

Technical Solution

Corvina Energy Tools (CET) collects and consolidates real-time data from all multimeters installed on EXOR International's production lines.

The platform provides **detailed dashboards showing energy consumption for each subprocess**, both live and historically.

Through its advanced analytics, CET allows EXOR International to:

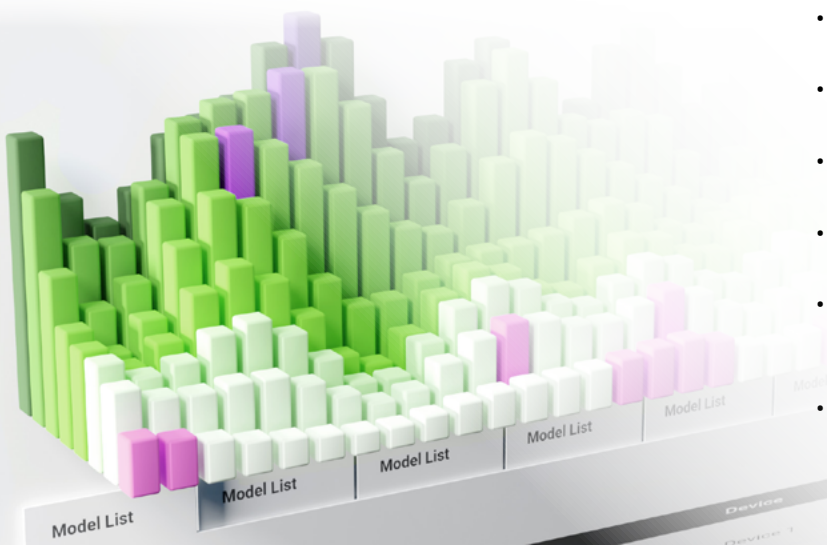
- **Break down energy usage** by production line and subprocess.
- **Compare consumption** across shifts and time periods.
- Identify anomalies or unexpected spikes in energy use.
- **Calculate energy cost** per unit produced, enabling precise cost allocation.
- **Centralize all energy data** for reporting, benchmarking, and planning.

By integrating with EXOR International's operational systems, CET provides a seamless interface for both production managers and finance teams to monitor, analyze, and act on energy data.



Benefits

- **Transparent Energy Tracking** – Complete visibility of energy consumption at the subprocess level.
- **Cost per Unit Analysis** – Understand exact energy costs for each manufactured piece.
- **Operational Optimization** – Quickly detect inefficiencies and reduce waste in production.
- **Data-Driven Planning** – Use historical data to plan production schedules with lower energy costs.
- **Cross-Functional Insights** – Share actionable energy intelligence across production, engineering, and finance teams.
- **Sustainable Operations** – Support corporate energy-saving and sustainability goals.



X Platform

The All-in-One Industrial Automation Platform

In the dynamic world of industrial automation, the X Platform exists to bridge the gap between the aspirations of machine builders and the real-world needs of factory owners. The platform serves as a comprehensive toolbox, helping you address current challenges while preparing for future ones.

The X Platform is more than just technology; it's a partnership. It empowers you to tailor solutions to your unique challenges, ensuring that you remain at the forefront of industrial innovation. The goal is to give machine builders the freedom to focus on what they do best: creating outstanding machines that meet the needs of factory owners like you.



What is a Today's Need...

1. Edge Security - Protecting your data and your business.
2. Remote Access & VPN - Simplifying system integration, providing you with the ability to monitor and adjust processes anywhere.
3. Edge Management - Making updates remotely: time and resource saving.

... a Tomorrow's Want ...

1. Remote & Condition Monitoring - Giving you the tools for proactive diagnostics.
2. OEE & Energy Efficiency - Monitoring and managing resources for sustainable growth.
3. Performance Consultancy - Offering insights into optimizing your machinery's potential.

... and a Future Vision?

1. Marketplace Integration - Creating potential channels for resource and information exchange.
2. Virtual Logic Control - Preparing for the possibilities of AI-driven process enhancements.

Your Challenge,
Your Solution,
Our Technology

Keep in Touch!

Contact us

sales@corvina.io
+39 045 875 0404

