

BATTERY HEALTH & PERFORMANCE DIAGNOSTICS

Gain insights to optimize revenues while ensuring long-term safety and reliability

SERVICE OVERVIEW

MoniCa is a cutting-edge diagnostic service for Battery Energy Storage Systems (BESS) since 2018. It translates operational data into practical insights, enabling the preservation of battery health, performance optimization, and long-term safety. This multi-disciplinary assessment is crucial for effective BESS management, achieving operational excellence, and ensuring compliance with your financial objectives and contractual obligations.

YOUR ASSETS, OUR EXPERTISE

MoniCa is more than just software—it's a comprehensive expert service. It combines automated data analysis with the deep expertise of our multidisciplinary team to uncover hidden issues, benchmark battery performance, and deliver tailored recommendations. Our engineers and data scientists, specialized in battery diagnostics, thermal management, and performance optimization, interpret MoniCa's KPIs and provide clear, actionable reports—empowering you to make confident, informed decisions.

WHY ENGIE LABORELEC?

As a trusted leader in energy innovation, ENGIE Laborelec brings decades of experience in electrical systems and battery technologies. Our unparalleled expertise lies in being asset-based experts with profound knowledge of technologies and products. This deep understanding is fortified by our **in-house lab analysis**, comprehensive on-site inspections, and continual operational support to our Customers. As technical expertise provider already involved during the development of the projects, MoniCa benefits from our holistic approach to ensure your assets perform as expected within the ultimate operational limits.



OUR SERVICES

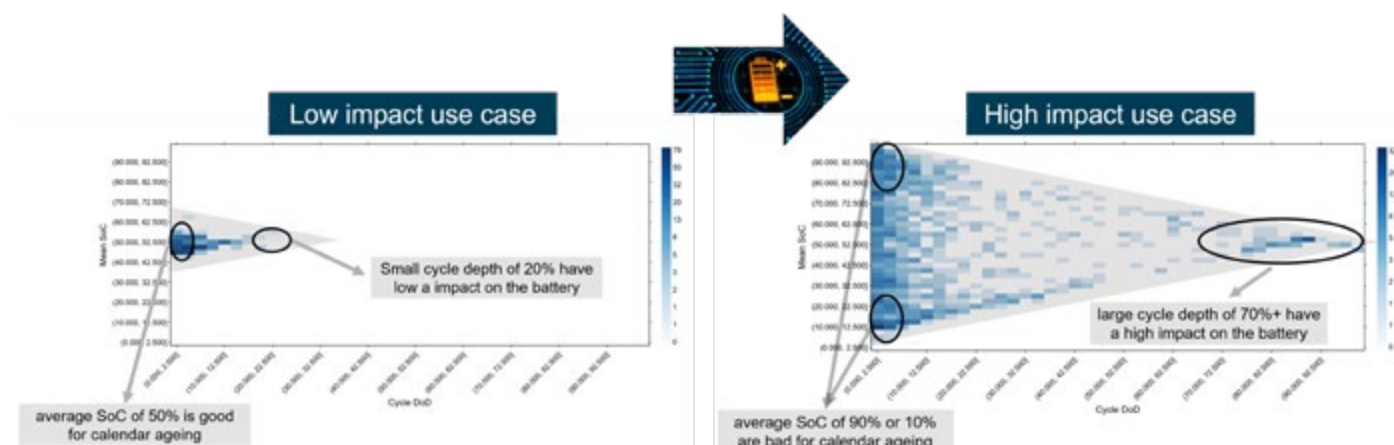
- **Expert Diagnostics:** In-depth analysis of degradation patterns, usage anomalies, and safety risks.
- **Digital Commissioning:** Independent verification of performance during commissioning to establish a reliable baseline.
- **Fleet Assessment:** Identify outliers and benchmark performance across multiple sites.
- **Custom Reporting:** Periodic reports and expert consultations tailored to your operational needs.

CLIENT BENEFITS

- **Maximize ROI:** Reduce downtime and energy losses through early issue detection.
- **Extend Battery Life:** Minimize degradation and imbalance with expert guidance.
- **Ensure Safety:** Detect overheating, overcharging, and other critical risks before they escalate.
- **Protect Warranties:** Stay within contract limits with transparent KPI tracking.
- **Gain Clarity:** Understand complex battery behaviour with simplified, expert-validated insights.

REFERENCES

MoniCa is already supporting major battery plant operators and integrators worldwide. Our GWh portfolio includes different chemistries & technologies across multiple segments focussing on **stationary** storage (large-scale utility projects, C&I and retail). Our clients rely on MoniCa to safeguard their investments and ensure long-term performance in a rapidly evolving energy landscape



WOULD YOU LIKE TO KNOW MORE?

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in Laborelec

