

# Efficient fleet management with battery diagnostics

The increasing demand for environmentally friendly transport solutions and the desire to reduce emissions are contributing to the steady rise in the number of electric vehicles worldwide. With this development, the importance of the





most expensive and complex wear part, which accounts for up to 50% of vehicle costs, is coming to the forefront for owners and fleet operators. Intelligent battery management improves lifetime, availability, and operation of the entire fleet.

## Upgrade your operational performance!

- Maximize your safety standards with continuous monitoring and early fault detection.
- Optimize your operations with predictive maintenance.
- Simplify your daily routine using API data integration in any operating platform.
- Meet your warranty conditions with reliable battery monitoring.
- Benefit from expert recommendations for lifetime extension & second life concepts.



## Mission: Empowering smart battery choices for a secure, efficient and sustainable future.

-  Simplification of cutting-edge technology
-  Conversion of manufacturer 's data into knowledge
-  Early detection of anomalies
-  Improved visualization and comprehensibility of long-term trends

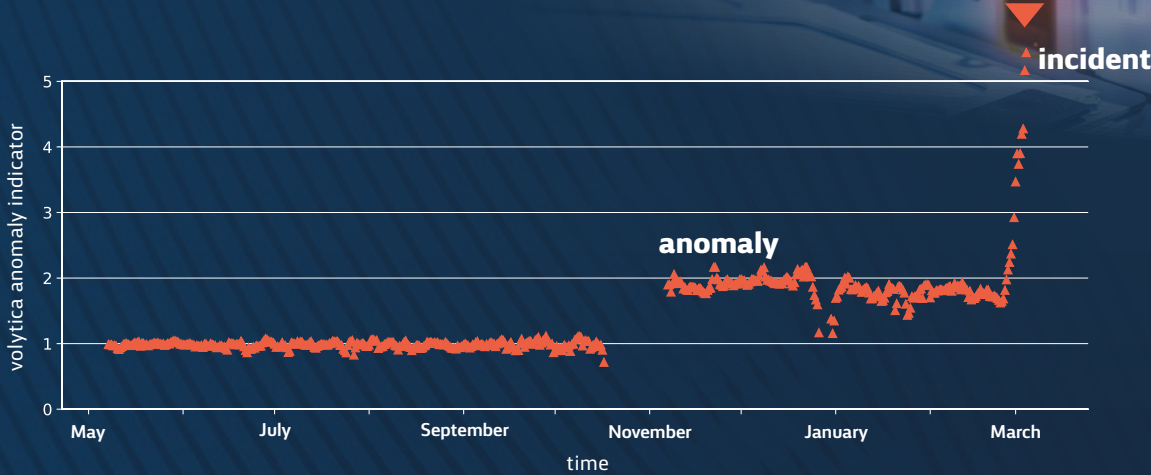
**Vision: Every battery will be used to its true potential.**

## Battery diagnostics for...





## Exemplary Use Case



### Key Findings of Li-Ion Battery Analysis for an E-Bus

The diagram shows a post-analysis of the battery data after a critical battery failure on an e-bus in Northern Europe. The goal was to provide a detailed data-based failure analysis and to assess the need for proactive battery monitoring.

- **Primary Result:** Early detection of abnormal behavior – instability and deviation from standard values.
- **Time Saving:** Detection 2 weeks before escalation to a major incident.
- **On-Top Analysis:** Detect long-term trends 5 months in advance.
- **Notification:** Alerts for both long-term trends and short-term anomalies.

✓ **RESULT:** Financial saving of investment and potentially life and limb.

## VOLYTICA DIAGNOSTICS

- | Independent and holistic battery diagnostics
- | Accurate prediction of all typical battery quality indicators
- | Over 10 years of experience
- | Proven German technology



**You need a recharge?  
Get in touch!**

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