

WHO WE ARE AND WHY WE ARE QUALIFIED TO SERVE YOU?

ENERGSOFT supports enterprises across industries with prescriptive battery analytics software based on the power of the cloud and artificial intelligence. AI-Powered prescriptive analytics identifies issues and saves revenue through analyzing battery KPI's, it could also increase efficiency and performance gains. Energsoft has > 80 years of experience and our product goes beyond data visualization – it continuously scans and learns your battery data to detect and report notifications with 95% accurate insights, and anomalies at scale. Customers are using platform to improve productivity and save time.

HOW TO CONTACT US AND START FREE TRIAL?

Data has a lot of noise, billions of data points, cycles and metrics. It boils down to millions of events or tens of anomalies, but as result it is one impact alerts. Contact the Energsoft sales team today to learn more about how the **Battery Prescriptive Analytics** service that can drive your battery-powered business.

L: <https://www.linkedin.com/company/energsoft>

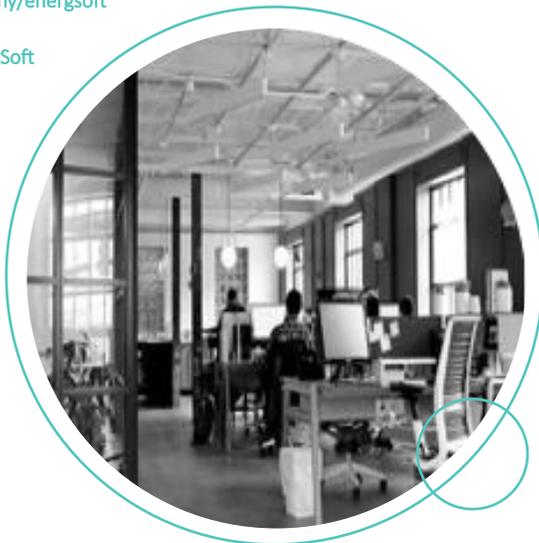
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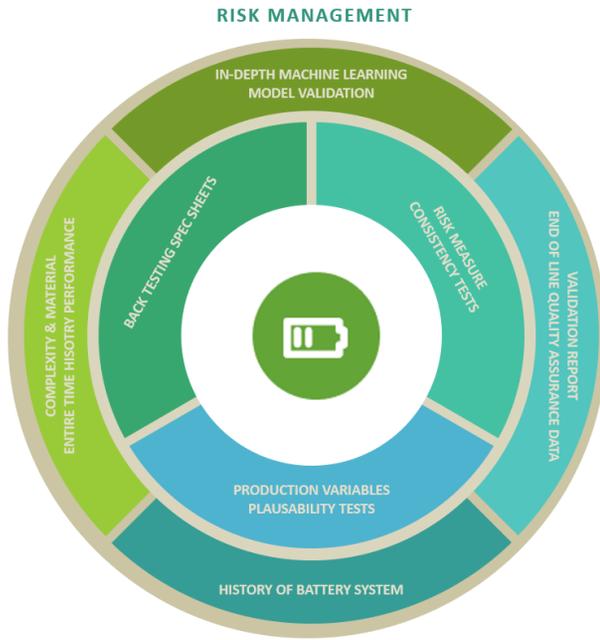
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THE MOST ADVANCED ANALYTICS STACK WITH FUNDAMENTAL AI-DRIVEN RESTRUCTURING TO COMPRESS SUPERIOR PERFORMANCE INTO A ROBUST, STREAMLINED ACTIONS. THESE ARE THE COMPONENTS, FEATURES, AND VENDORS OF THE NEXT GENERATION STACK, THAT WILL TURN YOUR ANALYTICS INTO A POWERFUL COMPETITIVE FORCE.



Battery and Storage
Prescriptive Analytics
<https://energsoft.com>



Battery Cycling Types

- Constant Current (CC) or Constant Current Constant Voltage (CCCV)**
 Hot spots from bad design, bad connections, or poorly binned/balanced cells lead to limited range, decreased lifetimes and warranty liabilities.
- Application Specific Cycling (Frequency, Drive)**
 Vendor reliability data is scarce, hard to analyze. Overbuilt packs due to concerns about battery performance and longevity. Drive Cycle (Dynamic Stress Test Profiles) for EV batteries.
- Impedance Analysis**
 Watching the response of the battery to a fixed current or voltage perturbation across a sweep of frequencies – MHz to Hz. Processes occurring inside.
- dQ/dV & dV/dQ analytics**
 Differential capacity (dQ/dV) analysis allows you to observe degradation, failure mechanisms, changes in chemistry in much greater detail than can be observed using aggregate statistics like capacity, energy and efficiency per cycle.



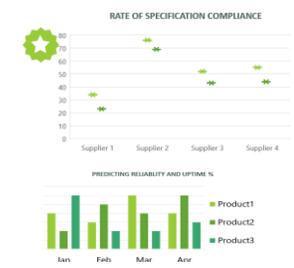
TRULY DATA DRIVEN DECISIONS

TRANSPARENCY ACROSS ORGANIZATION



Energsoft prescriptive analytics uses innovative technology to monitor all your product data sources, learn their normal and seasonal behavior, and alert you to mission-critical deviations in real time. We can connect to the streams of data in the lab or in the field in the same time to correlate them. Gatekeeper of your business and frontline protector of businesses dark data.

ACCORDING TO FORRESTER ON AVERAGE 73% OF DATA GOES UNUSED



Energsoft empowers enterprises with specification and metadata software toolsets that could help to fix modules with early degradation so overall system does not degrade early. Software could compare supplier specifications with the real data and identify problem areas while still under warranty. Buying from better suppliers could optimize Your

VOLUME & VARIETY OF DATA STREAMS IS IMPOSSIBLE TO MONITOR



Predict reliability without testing end of life and ensure uptime with professional services engagements. Assign data scientists to help you directly with your problems and rollout them in the field side by side with Your team. Make sure that full data traceability, commissioning, and operations are running smoothly.

MAKE IT YOUR OWN INSTALLATION WITH CUSTOMIZATIONS

Key customers segments: automotive, grid storage, consumer electronics, battery manufacturers and their suppliers. The sheer volume and variety of data streams, KPI's, and unique metrics and dimensions, is humanly impossible to monitor. Within these millions of data events occurring daily, battery development is entering a challenging phase of growth.

CUSTOMIZE IN ALMOST NO TIME WITH FEATURES YOU WANT

Big data analytics significantly accelerate product development and improve performance and reliability with the engineers you have today. Engage with Enersoft now to take advantage of the industries most advanced software solution for battery development, manufacturing and in-use battery management. Our main clients like to customize solution for the needs they have and we usually sign the agreement that features we build for them could be used by others, so you will benefit from industry cutting edge visualizations, predictions, and insightful dashboards free of additional charge with your subscription, responsive support and updates.



ABILITY TO USE DATA EFFECTIVELY REPRESENTS ADVANTAGE

PRESCRIPTIVE ANALYTICS

Combining existing conditions and possible decisions to determine how each would impact the future. It's related to both descriptive analytics and predictive analytics but emphasizes actionable insights instead of data monitoring.

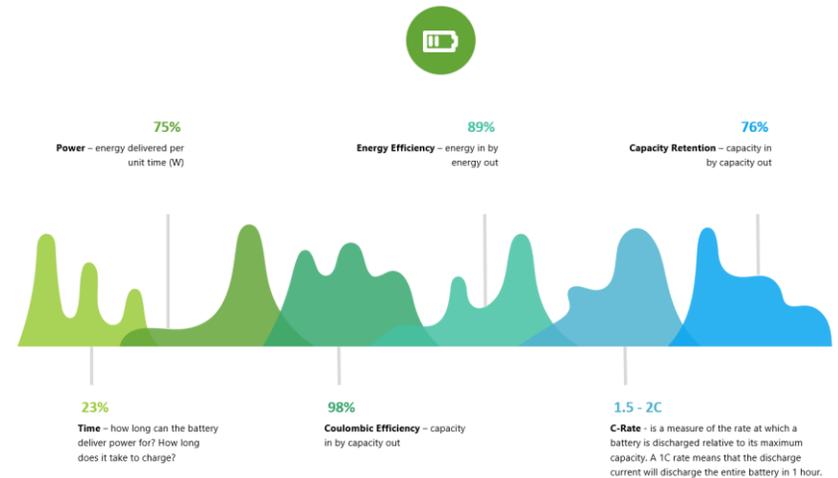
FOCUS ON HOW CAN WE MAKE IT BETTER FOR YOUR TEAM AND PRODUCT?

DESCRIPTIVE ANALYTICS

BI insights into what has happened, prescriptive analytics aims to find the best solution given a variety of choices. Year-over-year pricing changes, month-over-month capacity degradation, or the battery health state.

PREDICTIVE ANALYTICS

Data mining, predictive modelling, and ML, that analyze historical facts to make predictions. Focuses on forecasting possible outcomes.





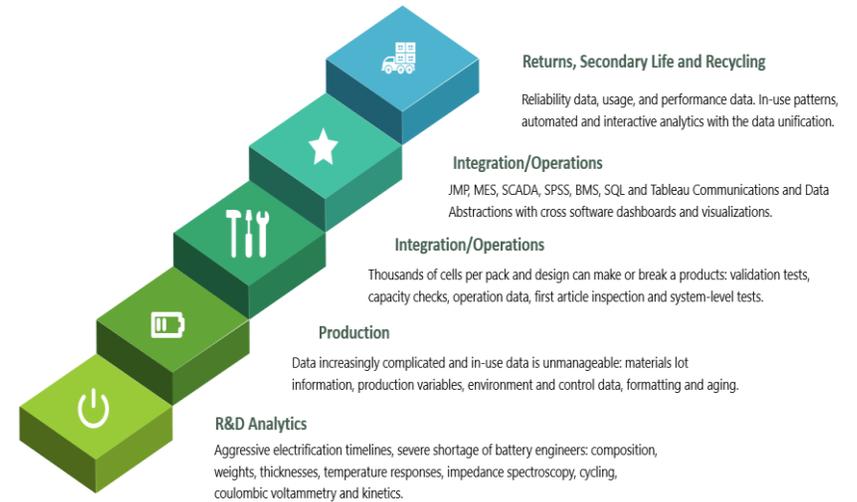
FORTUNE 100 CLIENT CASE STUDIES

Senior Battery Engineer: "Our company does a lot of cycling testing and field telemetry: charge the batteries up and discharge them to zero for six months or longer at a time. We also perform load tests based on product needs these tests to generate a lot of data. Batteries are cells but also have electronics around them. Electronics generate relevant data that sampled every minute. Every minute over six months means that a lot of data is being generated. We use data to plot and analyze things such as whether the battery is good for liability reasons or the product life cycle. Normally our team has had homegrown tools to analyze the data. Still, the company wanted to use a more standardized tool to measure the data, as well as to collect the data generated from tests in different locations around the world. Energsoft was one of the companies that we thought could help. When Energsoft came to our Company, Energsoft helped build it up to our requirements and compliant standards and are continuing to do so."

Director, Battery Technologies: "Everybody would like to get off Excel files if they can. Our team wanted a database, prediction, and fault analytics tool that gets the data faster. We don't have to invest in a software team to do this. Fundamentally, battery analytics is very useful for a lot of things other than just a collection of data: how to throttle a system if something is going bad, how to add more capacity when needed, or when the battery is running low how to extend the battery. Data analytics tools like Energsoft are critical for that. Voltaiq a more established company, but they are also charging a few times more. Voltaiq wanted to sell its existing solution but our Company wanted a lot more customizations. Energsoft gave that option. Energsoft customer service level: it's been good. They have a support help desk, emails, and conference calls. technical issues are getting resolved in a good amount of time."

Energsoft is **comprehensive** (all the data, cross silo, data agnostic), **continuous** (real time, all the time), **adaptive** (adjusts to changes, autonomously learns baselines), **spot on** (root cause guidance, accurate and actionable). We have your back, so you are free to play offence and grow your business.

BATTERY DATA AND ENERGSOFT ECOSYSTEM



Energsoft corporation started in 2016 and our focus is to empower customers to develop and use battery systems more efficiently and profitably. Precise predictions of conditions and aging significantly optimize maintenance and use. Exact determination of the current situation also enables certification of batteries for reuse, pick the suppliers and decide what to do in secondary life.

Please Schedule a Free Demo:

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