

CSE: | ACDC

EV BATTERY . TECH

# EV BATTERY TECHNOLOGIES



# Forward Looking Statement / Disclaimer

---

This presentation from Extreme Vehicle Battery Technologies Corp. (the “Company”) is not an offer to buy or sell securities. The material in this presentation has been prepared by the Company provides general background information about the industry in which the Company operates and the Company’s activities current as at the date of this presentation. This information is given in summary form and does not purport to be complete. Information in this presentation, including forecast financial information, should not be considered as advice or a recommendation to investors or potential investors in relation to holding, purchasing or selling securities or other financial products or instruments and does not take into account your particular investment objectives, financial situation or needs. Before acting on any information you should consider the appropriateness of the information having regard to these matters, any relevant offer document and in particular, you should seek independent financial advice.

Certain information in this presentation and oral statements made in any meeting contain “forward-looking information” under applicable securities laws (referred to herein as forward-looking statements). Forward looking statements may be identified by the use of words such as “believe”, “expect”, “anticipate”, “intend”, “plan”, “estimate”, “project”, “will”, “may”, and similar expressions. Forward-looking statements in this presentation may include, without limitation: statements regarding the business strategy, plans, targets and objectives of the management of the Company for future operations (including development plans and objectives), and specifically: management’s expectations regarding its distribution and technology licence agreement with Jiangsu Richpower New Energy Co., Ltd. (“RichPower”) and Intelligent Battery Technologies Ltd. (the “RichPower Agreement”), pursuant to which the Company has obtained the right to market and sell products incorporating RichPower’s applied technology and solutions for battery management systems, energy storage technology applications, battery safety applications and new energy solutions; the anticipated trends and challenges in the markets in which the Company intends to operate; its expectations regarding market size and future demand for electric batteries and energy storage; the ability of the RichPower technology to compete successfully with other companies offering competitive products; the Company’s anticipated cash needs and capital requirements; the Company’s need for additional financing; the Company’s ability to satisfy the conditions under the RichPower Agreement; and the expected benefits to the Company to be obtained from the RichPower Agreement.

Forward-looking statements are based on the opinions and estimates of management at the date the statements are made, and are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those anticipated in the forward-looking statements. Although the Company believes that the expectations reflected in the forward-looking statements are reasonable, the Company cannot guarantee that those expectations will prove to be correct.

Important factors that could cause actual results to differ materially from expectations include, without limitation: changes to business, economic, and capital market conditions; the risks associated with foreign operations; current or future laws or regulations and new interpretations of existing laws or regulations; market conditions and the demand and pricing for the products the Company markets; relationships with customers and business partners, in particular RichPower; the Company’s ability to market products that meet customers’ needs in a timely manner; counterparty risk; the Company’s ability to attract, retain and motivate qualified personnel; the Company’s ability to compete successfully with existing and future competitors; the risk that the RichPower technology will not succeed in achieving the results that the Company believes it will; RichPower’s ability to maintain and enforce its intellectual property rights and to develop and patent new competitive intellectual property; the Company’s ability to manage working capital and obtain additional financing on reasonable terms or at all; and the Company’s ability to complete perform its obligations under the RichPower Agreement.

The forward-looking statements contained in this presentation are expressly qualified by this cautionary statement. The forward-looking statements in this presentation speak only as of the date of this presentation, and except as required by law, the Company undertakes no obligation to update or revise publicly any forward-looking statements, whether as a result of new information, future events or otherwise, after the date on which the statements are made or to reflect the occurrence of unanticipated events. Readers are cautioned not to place undue reliance on forward-looking statements.

## Market and Industry Data

The information contained herein includes market and industry data that has been obtained from third party sources, including industry publications. The Company believes that its industry data is accurate and that its estimates and assumptions are reasonable, but there is no assurance as to the accuracy or completeness of this data. Third party sources generally state that the information contained therein has been obtained from sources believed to be reliable, but there is no assurance as to the accuracy or completeness of included information. Although the data is believed to be reliable, the Company has not independently verified any of the data from third party sources referred to in this presentation or ascertained the underlying economic assumptions relied upon by such sources and cannot guarantee the accuracy or completeness of such information.

**The information contained in this presentation is provided by the Company for information purposes only and does not purport to be all-inclusive or necessarily to contain all the information that a prospective investor may desire in investigating the Company. Prospective investors should not construe the contents of this presentation as legal, tax, investment or other advice. All prospective investors should make their own inquiries and consult their own advisors as to legal, tax, investment, and related matters concerning an investment in the securities of the Company.**



BATTERY TECHNOLOGIES

# MARKET OVERVIEW

EV BATTERY.TECH

CSE: | ACDC

# The Future Of Battery Tech Is Here

---

- Artificial Intelligence
- Battery Management Systems
- Real-time Monitoring
- Remote Maintenance (Hardware and Software)
- Energy Storage Systems
- Smart Charging Systems
- Battery Recycling



# Battery Demand is Sky-Rocketing

---

**56 million Electric Vehicles by 2040.**

*- Bloomberg.*

**Energy Storage Capacity in the USs is expected to grow twelve (12) times by 2024.**

*- Wood Mackenzie Energy Storage Service.*

**Energy Storage Capacity in developed countries is expected to grow forty (40) times from 2GW to 80GW.**

*- World Bank.*

**The total energy storage market value in the U.S. alone will be \$5.3 billion by 2024.**

*- Wood Mackenzie Energy Storage Service.*

**Battery Management System Market Worth \$12.6 Billion by 2024.**

*- Bloomberg.*

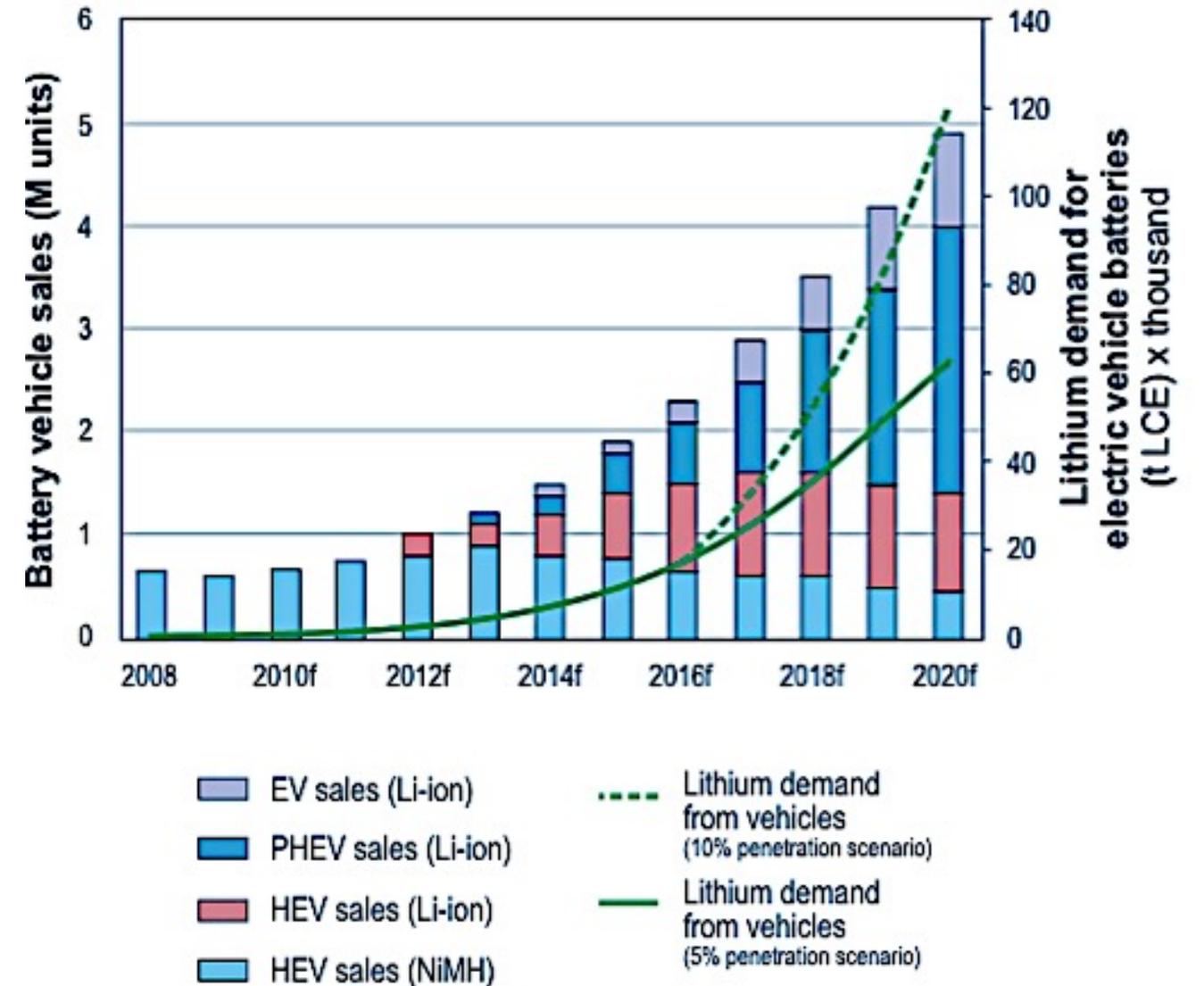
*With the increase in use of Renewable Energy and Electric Vehicles globally, the demand for Battery Storage and Technologies is growing exponentially.*



# Current Lithium-ion Battery Tech Is Not Sufficient

- Batteries require costly **lab-based testing** to effectively **diagnose issues**.
- **Costly Replacement** is the norm as testing is long, expensive and inefficient.
- **Used batteries** are **terrible** for the **Environment**.
- **EV battery warranties** cover 8 years and **cost** companies **millions**.
- Market has started to focus on *better* and *longer lasting* batteries.

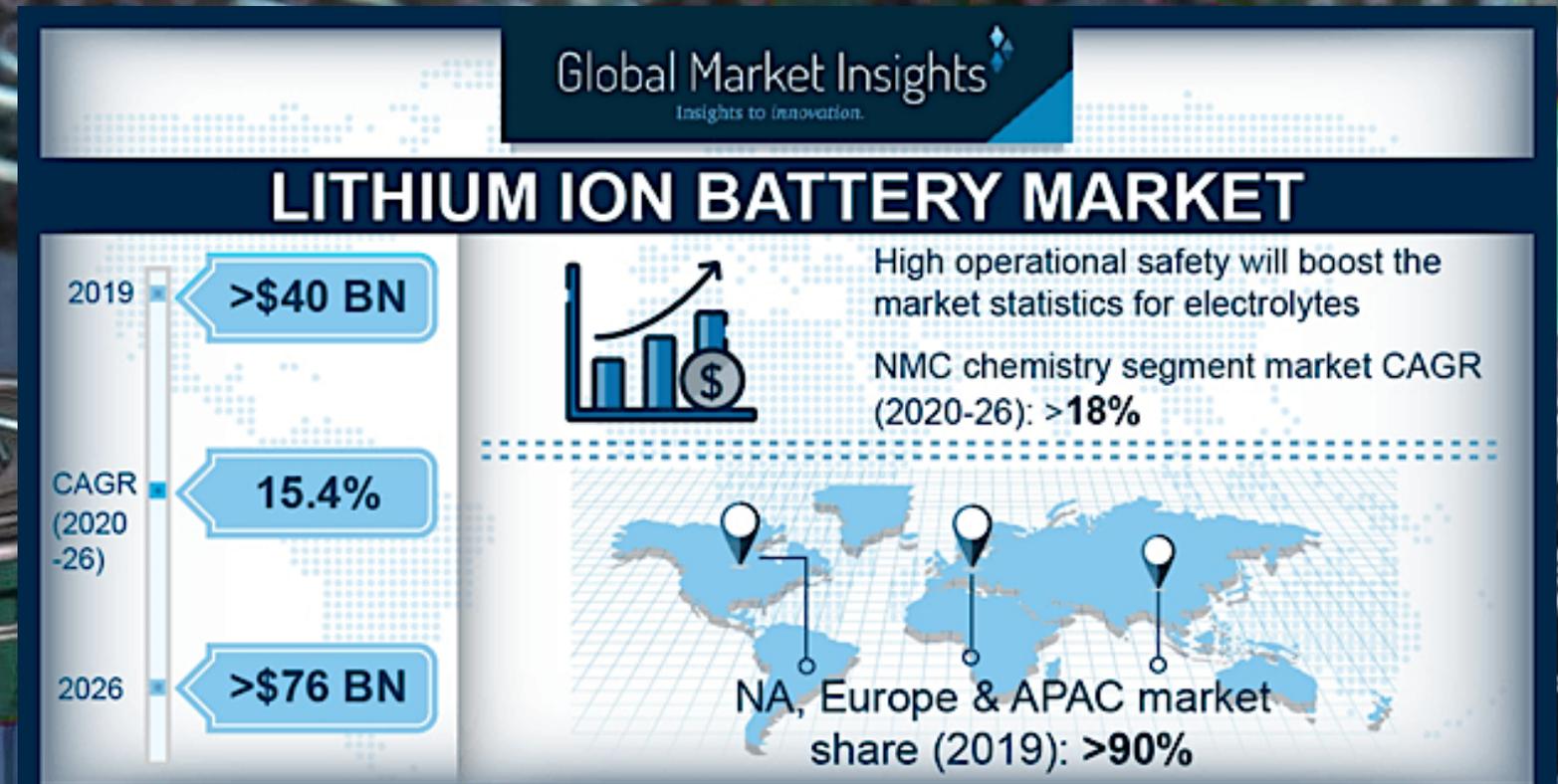
World: Electric Vehicle Production & Lithium Demand for Electric Vehicle Batteries 2008 - 2020



Source: Roskill

## To Meet The Demands, Major Technological Advancements Are Required

- Exponential battery production
- More efficient batteries
- A Recycling System for Batteries
- Larger Storage of Energy
- Longer Battery Life
- Faster and More efficient charging
- Better Monitoring Systems
- Better Maintenance Systems





BATTERY TECHNOLOGIES

# DISRUPTIVE TECHNOLOGY

EV BATTERY.TECH

CSE: | ACDC

## Artificial Intelligence Based

---

- Applies more than half a decade of data from the worlds largest market.
- Hundreds of Thousands of Electric Vehicles.
- Applied and interfaced artificial intelligence with a proprietary Battery Management System that “learns” and improves in real time.
- The artificial intelligence algorithm of the neural network analyzes the data.
- AI Integrated BMS system is designed specifically for the EV & ESS markets.
- Fully scalable to any BMS application.



# Patented Battery Management System (BMS)

## Longer Life

- Real time power routing options to avoid and minimize damage.
- Exclusion and isolation of individual damaged cells.
- Re-routing to exclude those cells, with a notice for routine maintenance to repair or replace.

## More Efficient Battery Use

- Absolute differentiation of individual cell issues in real time.
- Constant power optimization and flow control.
- Life extension, charge extension, massive cost savings.

## More Accurate Reading

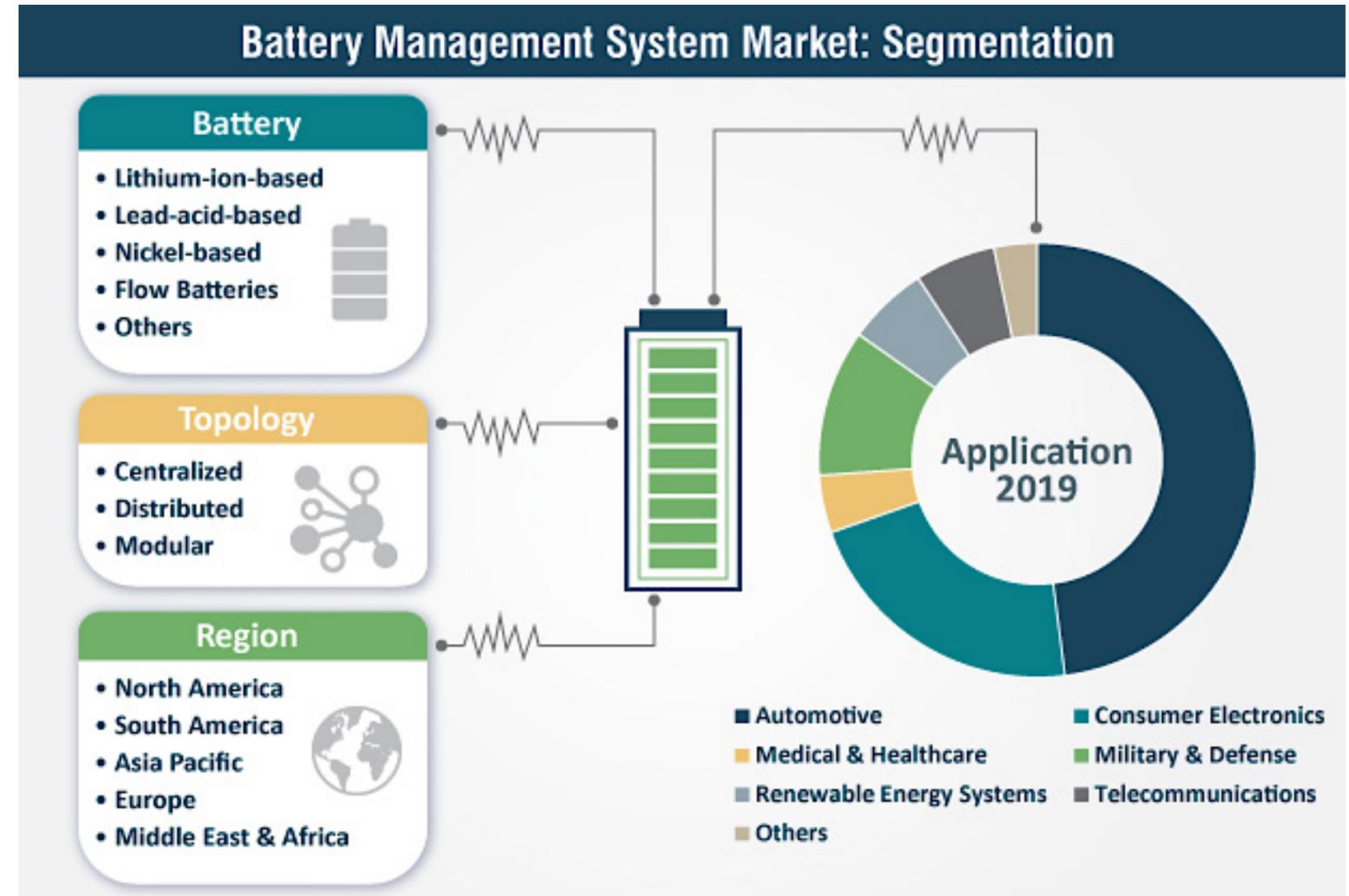
- Accurate, reliable (patented) failure prediction.

## Real-time Monitoring

- Constant observance and maintained oversight of battery in real time.

## Remote Maintenance

- Multiple patents protecting industry first remote maintenance on any battery using our BMS, ESS or OEM offering.



[www.transparencymarketresearch.com](http://www.transparencymarketresearch.com)

# Smart BMS Using AI

---

- **Multiple patents** protecting industry changing Artificial Intelligence for **more accurate SOC and SOH values**
- **Multiple patents** protecting industry first **Active Equalization** technology **extending battery life**.
- **AI algorithm** of the **neural network** to determine **exactly** which cells to replace.
- User never sees a degradation in **performance**
- AI automatically isolates and reroutes around problem cells to **ensure optimal performance**.
- Detailed **Real Time cloud-based data** on every battery is captured and analyzed by AI.
- AI **“learns” and updates as battery data** meta-crunches efficiencies.
- **Patented BMS** for electric vehicles with Autosa platform for automotive functional safety.
- **Patented Echelon Utilization**: Using active balancing and capacity algorithms **enabling the re-use of retired batteries**



# Real Time Monitoring

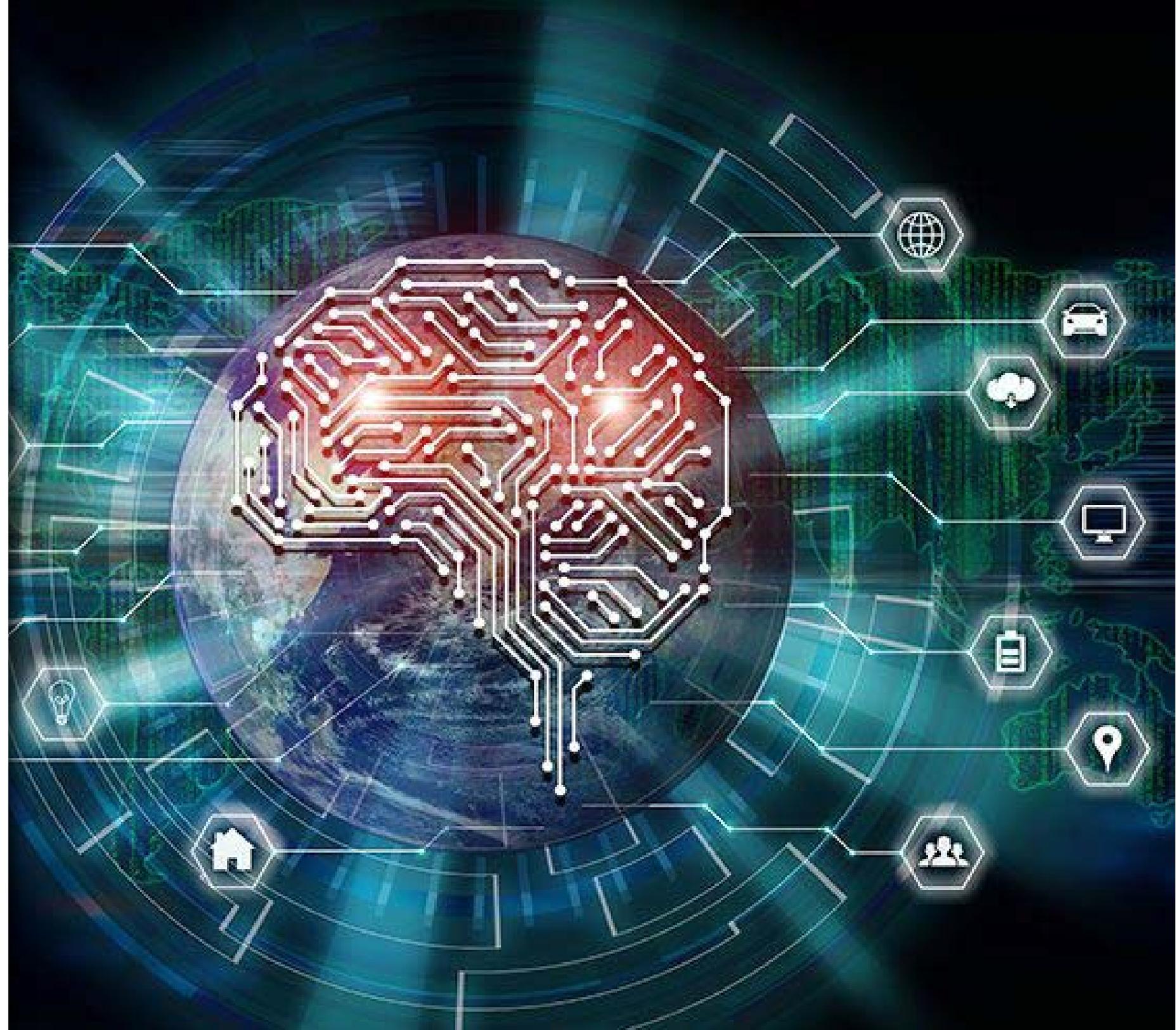
---

Our system allows **real time monitoring** with **advanced review** of individual **cell** degradation.

The system then **applies AI to the data** collected to **improve BMS technology**.

## Real time Monitoring allows for:

- Less downtime
- More efficiency
- Instant notification of issues
- Remote repair of hardware and software
- Saves maintenance cost and human cost
- AI and building of even greater intelligence over time
- Longevity of usage of each battery



## Our Technology vs. Existing Batteries

EV BATTERY TECH	EXISTING MARKET
Individual cell replacement within battery pack	Replace and dispose of entire battery pack
Repair and real-time monitoring of each cell within the entire battery pack.	Replace and dispose of entire battery pack
Remote monitoring	Onsite professional computer hookup
Remote maintenance	Onsite professional maintenance
Artificial Intelligence used to improve systems	No Artificial Intelligence
Real-time collection of Meta Data	No collection
Life extension due to smart BMS which works and repairs cells	End of Battery life when cells go offline



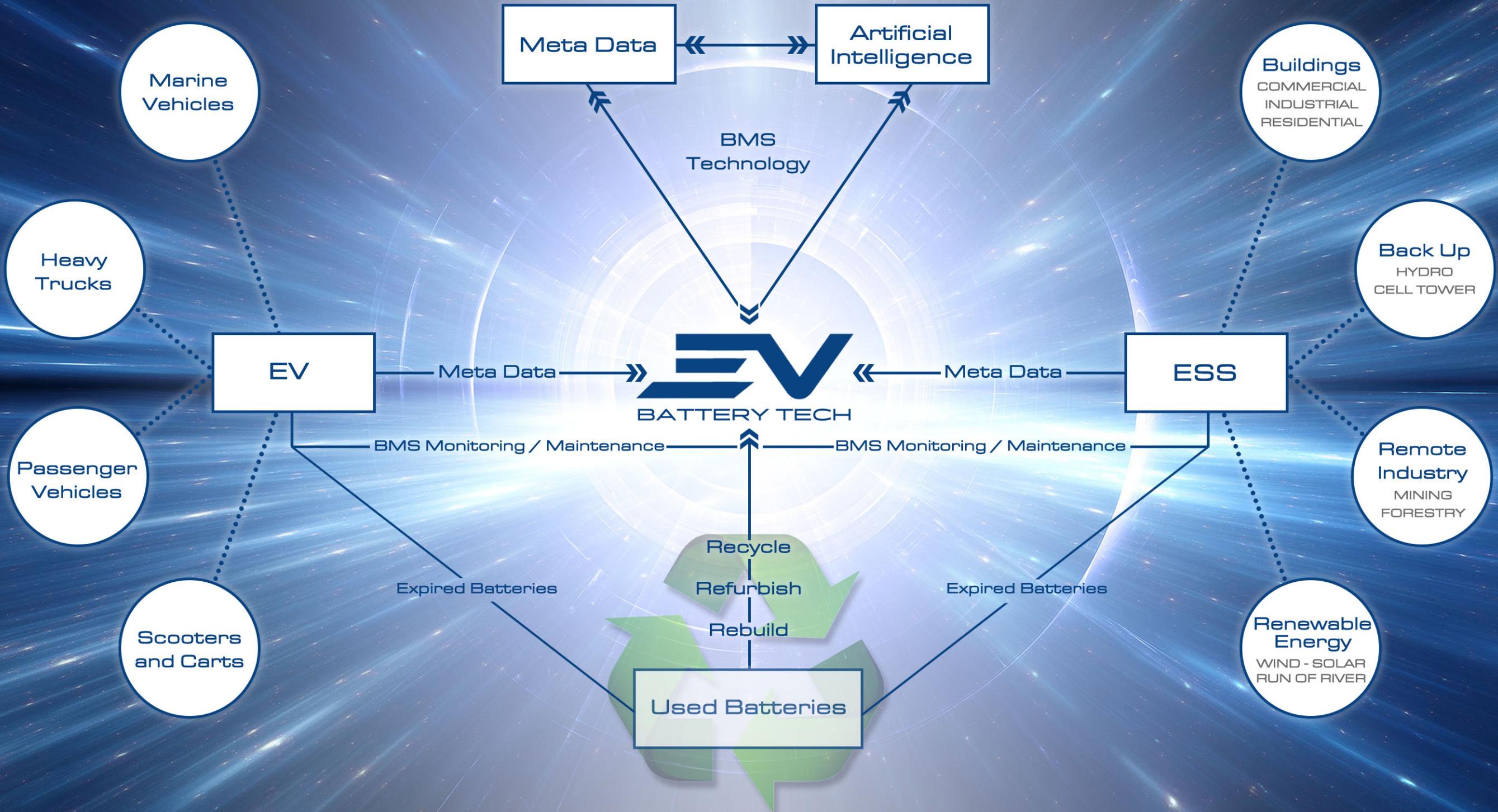


BATTERY TECHNOLOGIES

# GAME-CHANGING BATTERY ECO SYSTEM

EV BATTERY . TECH

CSE: | ACDC



Meta Data

Artificial Intelligence

BMS Technology

**EV**  
BATTERY TECH

EV

ESS

Meta Data

Meta Data

BMS Monitoring / Maintenance

BMS Monitoring / Maintenance

Recycle

Refurbish

Rebuild

Used Batteries

Expired Batteries

Expired Batteries

Marine Vehicles

Heavy Trucks

Passenger Vehicles

Scooters and Carts

Buildings  
COMMERCIAL  
INDUSTRIAL  
RESIDENTIAL

Back Up  
HYDRO  
CELL TOWER

Remote Industry  
MINING  
FORESTRY

Renewable Energy  
WIND - SOLAR  
RUN OF RIVER

# Powered By Recycling!

---

Exponential growth in **e-waste**. Over 50 MILLION tonnes in 2020  
*- Reuters*

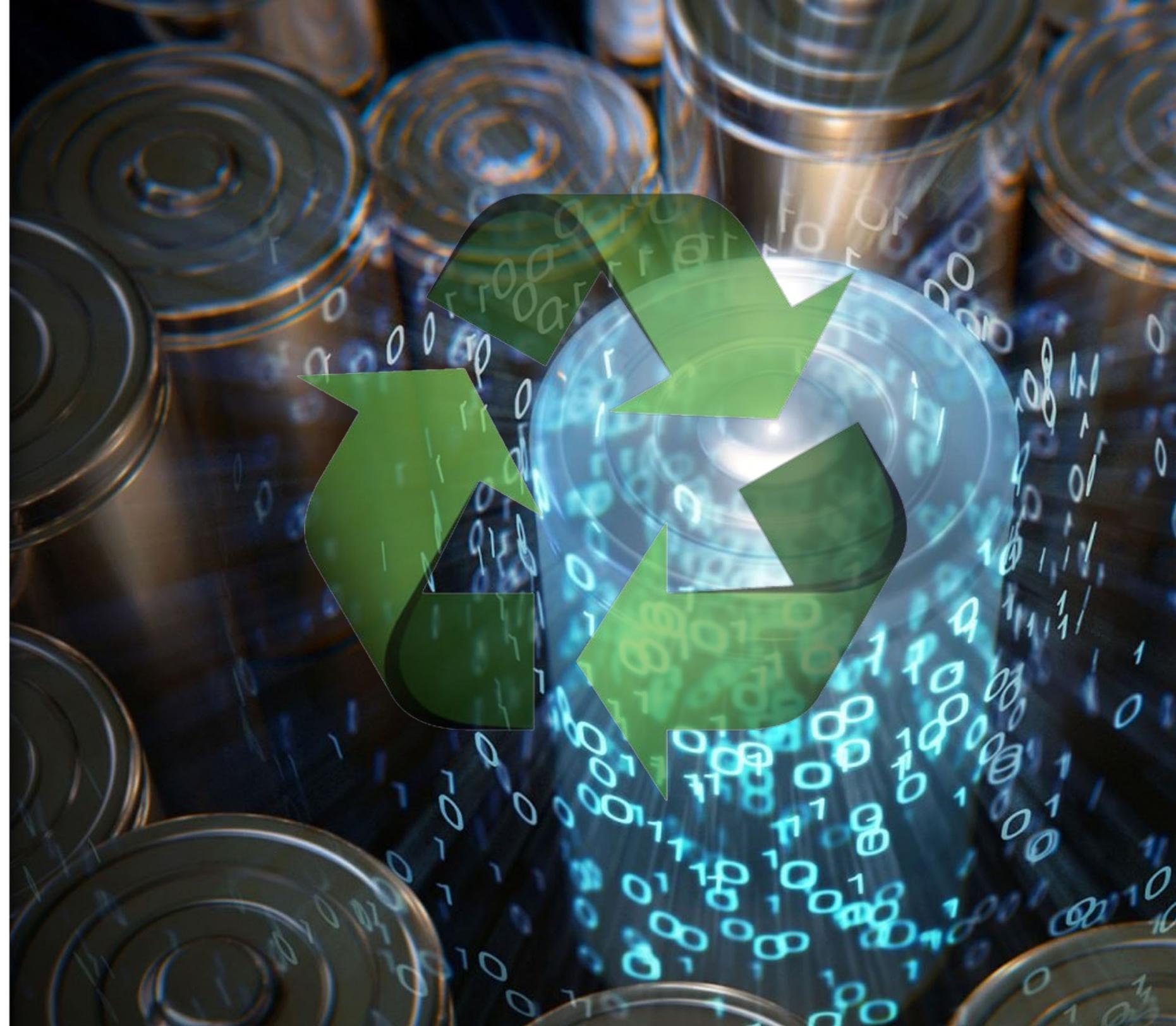
There is a tsunami of e-waste!  
*- United Nations*

Expected to more than **double** by 2050.  
*- Reuters*

In over 120 countries, annual **e-waste EXCEEDS** their annual GDP.  
*- World Economic Forum*

Only **20%** of e-waste is **recycled**.  
*- Global E-Waste Report*

*EV Battery Tech uses used/recycled batteries in all our solutions.*



# Electric Vehicles

---

- Longer Life
- More accurate readings
- Real-time monitoring
- Remote maintenance of hardware and software
- Target Markets:
  - *Cars*
  - *Trucks*
  - *Scooters*
  - *Marine*



# Smart Energy Storage Systems

---

- Renewable Energy
- Buildings
- Back up systems
- Remote Industrial Operations



# Meta Data

---

- **Meta Data is a Mega Billion Dollar Market.**
- **Data collected will become one of the most valuable aspects of the business.**
- **The Company gathers meta data in real time with each client.**
- **Data Collection on each battery in EV and ESS solutions.**
- **The Data combined with AI increases the performance.**
- **The Data combined with a comprehensive analysis assists with future battery design.**
- **Data Collection on each battery in EV and ESS solutions**



## Strategic Partners

---

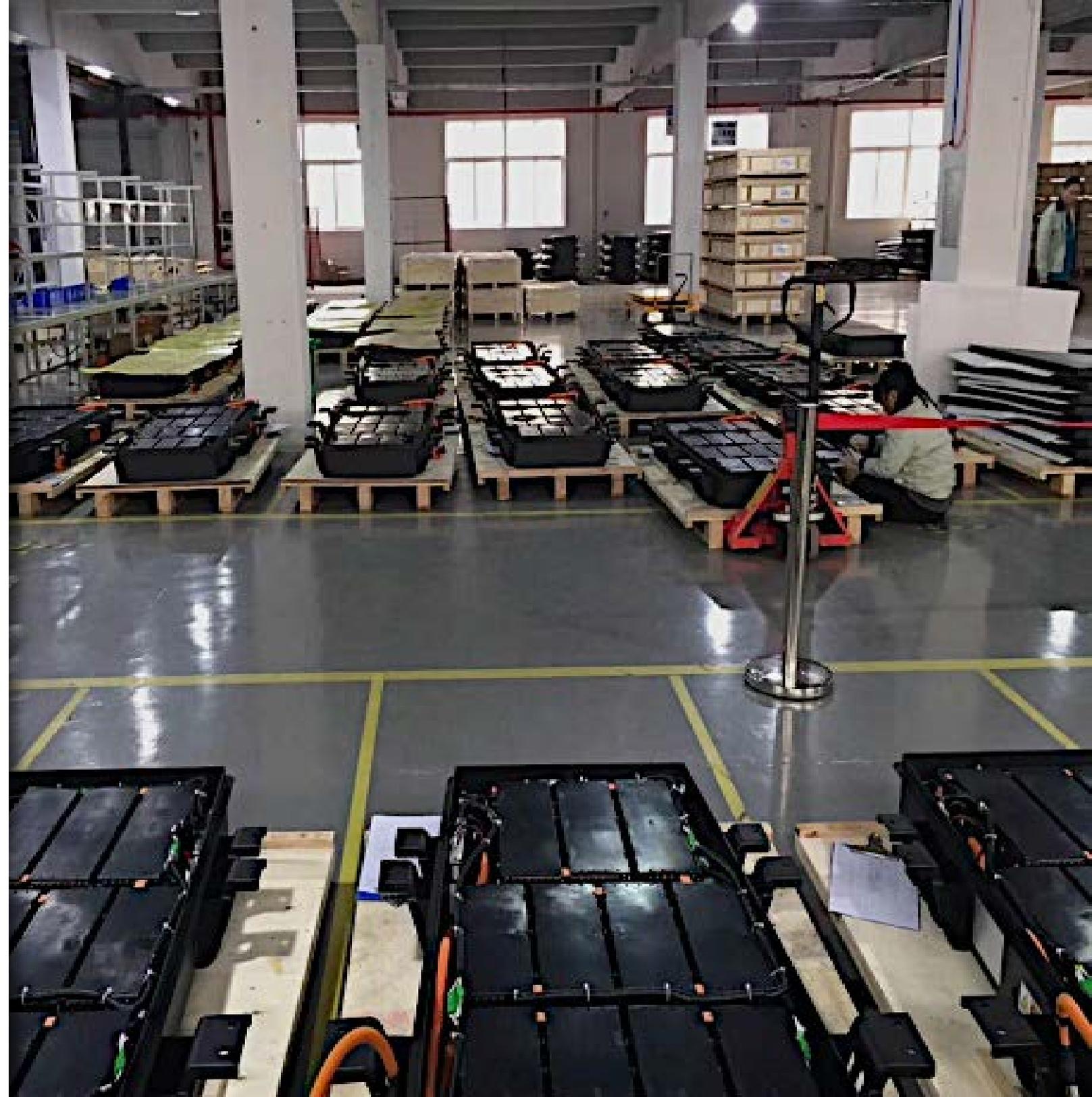
### *Rich Power*

Rich Power is recognized as a global leader in BMS and ESS technology and innovation.

Full facility automation Production and research with IS9001/TS16949 quality management system.

70 + patents and software copyrights including 7 authorized invention patents.

More than 20 utility model authorizations, and more than 10 software copyrights directly related to ESS and BMS.





BATTERY TECHNOLOGIES

# "SMART" ESS SOLUTIONS

EV BATTERY.TECH

CSE: | ACDC

# Renewable Energy ESS

---

- Wind
- Solar
- Run of River
- Tidal



# Building ESS

---

- **Commercial**
- **Industrial**
- **Residential**



# Remote Location ESS

---

## Back Up Systems:

- Cell Towers
- Hydro Towers

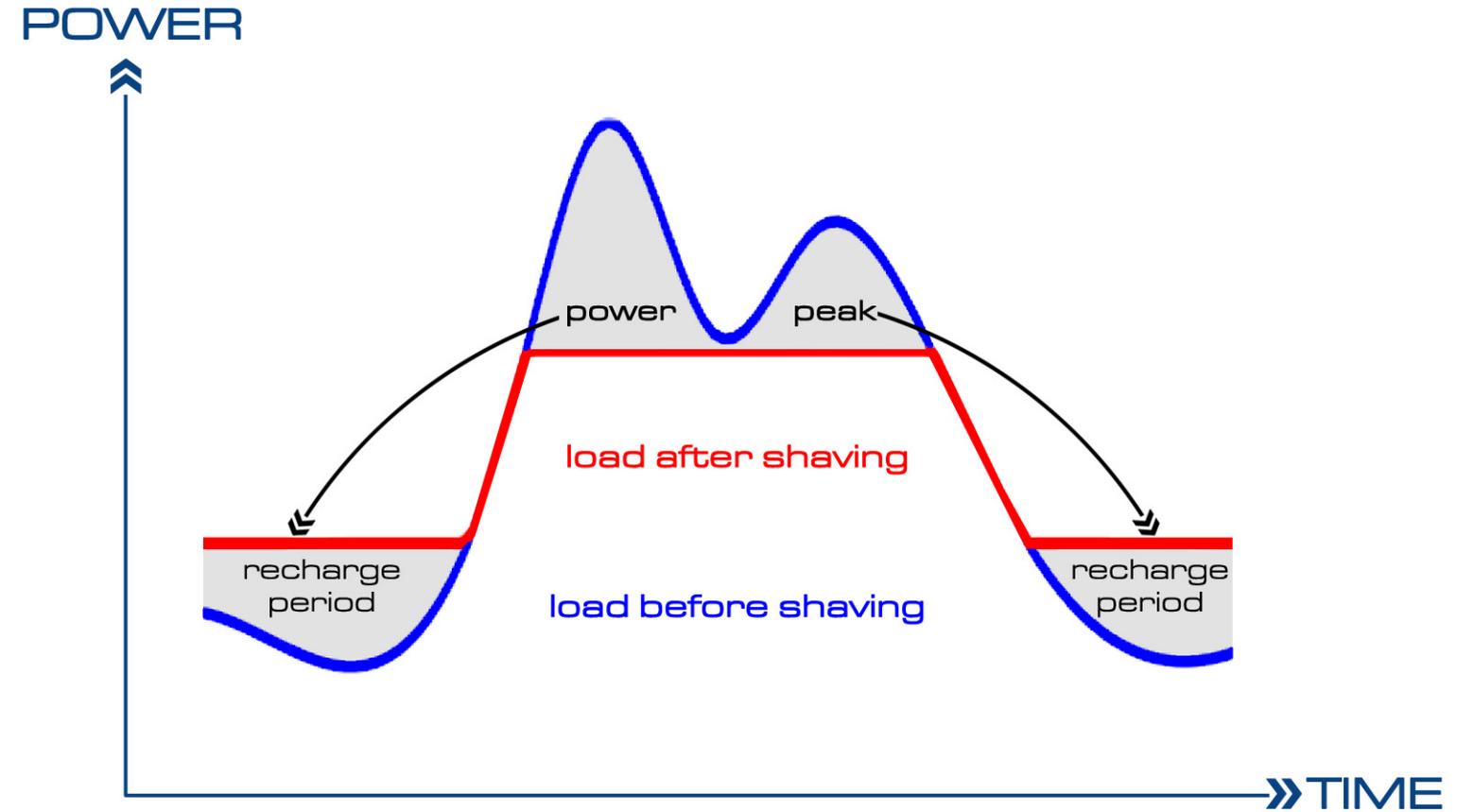
## Remote Industrial:

- Mining
- Forestry
- Parks
- Fishing



# Dynamic Peak Shaving

- Renewable Energy
- Buildings
- Remote Industrial Operations
- Smart Charging Stations

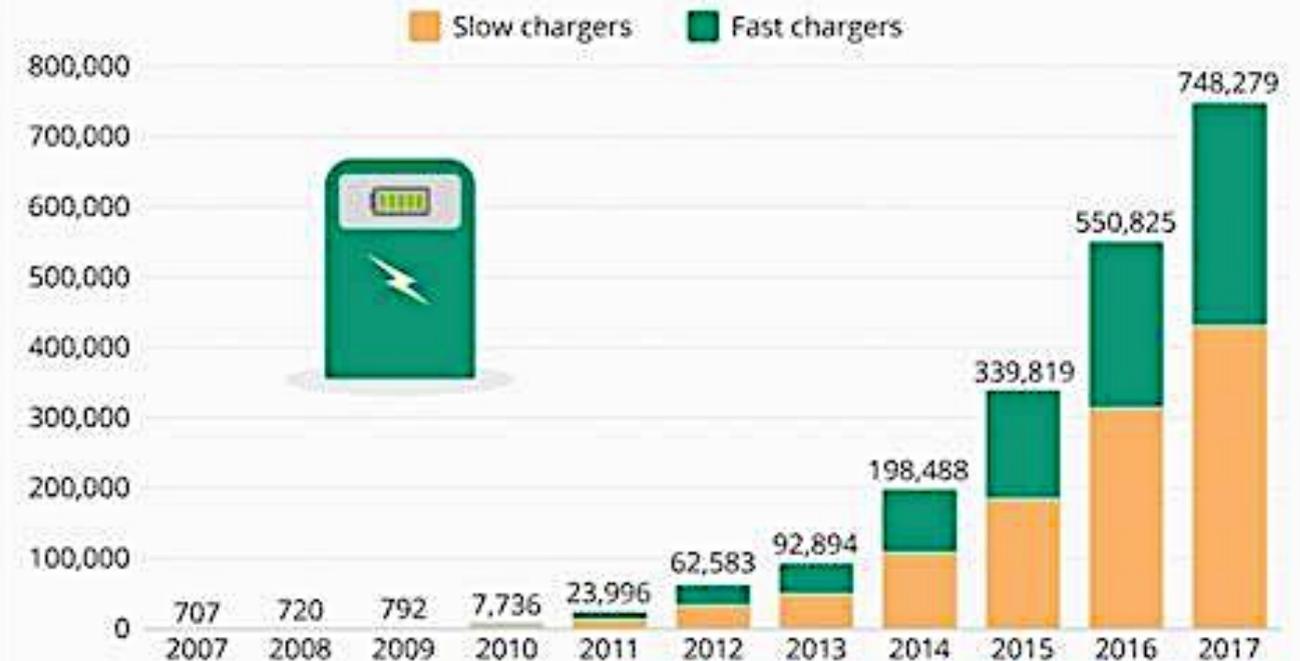


# “Smart” vs “Dumb” Charging Stations

EV BATTERY TECH	EXISTING CHARGING STATIONS
Draw from <u>Battery</u> during peak rates	Draw from <u>Grid</u> during peak rates
Batteries <u>recharge</u> during off-peak hours	No recharge during off peak
Remote monitoring	No Monitoring
Meets Smart Grid integration guidelines	Does not meet guidelines
Can sell power back to Grid	Cannot sell power back to Grid
Real-time collection of Meta Data	No collection

## E-Car Charging Infrastructure Becoming Mainstream

Global publicly accessible electric vehicle chargers by type



Source: IEA. © StatistaCharts. **statista**

*The global electric vehicle charging station market size is expected to surpass over USD 39.2 billion by the end of 2027 and witness a compound annual growth rate (CAGR) of 40.7% from 2020 to 2027.*