

MUNICH ELECTRIFICATION

WIRELESS CELL MONITORING BOARDS



*"Keep the EV safe and
enable maximum performance."*

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WIRELESS CONNECTION BETWEEN MODULES

Redundant mesh radio systems overcome the high EMI surroundings in the metal environment



POTENTIAL FOR IMPROVED RELIABILITY

Reduction of mechanical failure points like cables, connectors or wiring harnesses



REDUCED SYSTEM COST

On-board pressure sensor available. Expensive offboard sensors connected to the CMB can be omitted: Less assembly, harnesses, manufacturing for a true wireless BMS



REDUCED WIRING COMPLEXITY

Benefits of the wireless BMS communication is specifically interesting for „distributed type batteries

CELL MONITORING BOARD



- In a wireless BMS, each module is interconnected via a wireless connection instead of a cable
- Potential for new functionalities, like flexible battery placements or the installation of sensors in locations that previously were considered unsuitable for a wiring harness
- The WCM features an onboard pressure sensor, which allows very cost-efficient thermal event detection
- Redundant capacitive coupling provides highest electrical safety
- Cell Monitoring Power supply concept with load balancing feature guarantees minimal stack imbalance



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ABOUT US

CONNECTED MOBILITY AND CLEAN ENERGY STORAGE TECHNOLOGIES TO CREATE MEANINGFUL IMPACT ON EVERYONE'S LIFE.

COMBINING SILICON VALLEY'S SPIRIT, PACE AND AMBITION WITH GERMAN ENGINEERING EXCELLENCE, WE STRIVE TO BE A DISTINCTIVE LEAD SUPPLIER FOR THE ELECTRIFIED AUTOMOTIVE WORLD AND BEYOND.



GLOBAL CUSTOMER BASE:

Leading automotive OEMs and fast-growing e-mobility newcomers



VERSATILE AND RELIABLE BMS

platforms for automotive series applications



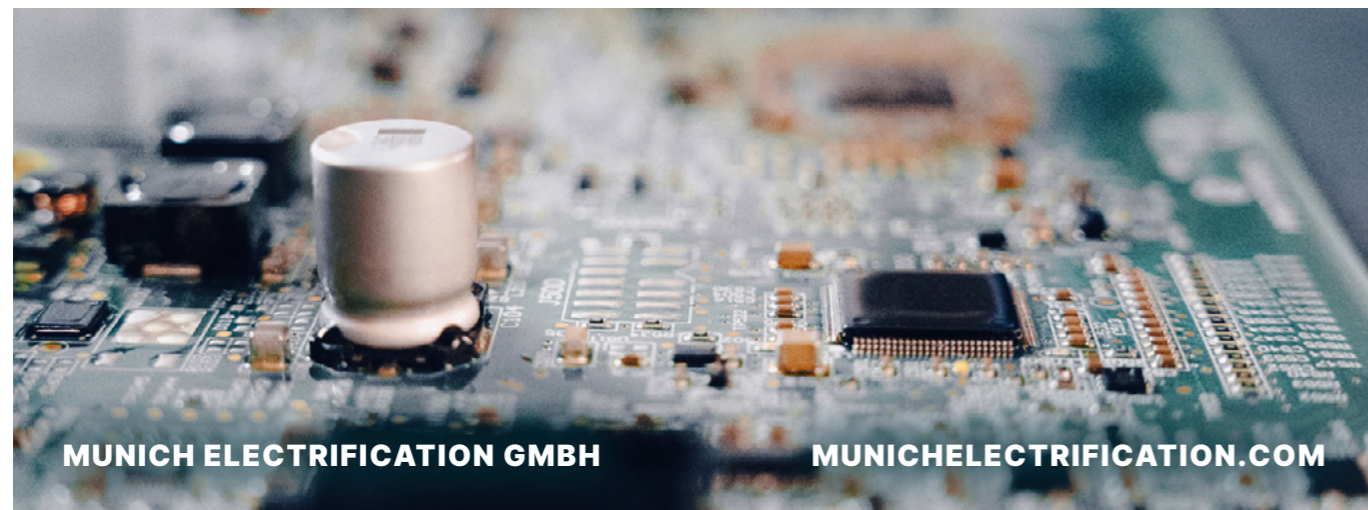
FOUNDED IN 2014

Founded in 2014 by industry experts in the field of electric mobility, automotive batteries and electronics



MANAGEMENT OWNED

Fully owned by founders, profitable and stable since the first year, constant organic growth through healthy cashflow



MUNICH ELECTRIFICATION GMBH

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WHY TO WORK WITH US

01

WE ARE

- Highly motivated, exceptional young engineers from our international team.
- We are devoted to fast-pace innovation & quality-focused agility to shape the future of electric vehicles. One of our key strengths is our electric powertrain system know-how.
- Our fast-growing staff has contributed in major positions to the world's best electric vehicles. By being fully familiar with the crucial requirements on the battery side we know what it takes to develop a successful EV powertrain.

02

WHAT WE DO

- We develop and produce world-leading battery management systems regarding safety, features and cost.
- Our products stand out for function-integration, scalability, variant handling, space and weight. They are being used worldwide in multiple series production programs.
- Our fields of expertise also include the entire scope from embedded software development to model-based functions and advanced high-level algorithms for various cell chemistries (LFP, MNC, NCA).

03

OUR VALUES

- We are technology-driven and committed to developing cutting edge products.
- We are devoted to design products and advancing technological solutions that reflect sustainability in every facet.
- By thinking like owners, our employees guarantee the strong customer focus and ensure the long-term success of ME.
- Cooperativeness, open communication and transparency constitute our ME work culture. Diversity and loyalty define our team spirit.