



A Quantum Leap
in Battery Performance

ANODE TECHNOLOGY

INTRODUCTION - WHAT IS ONLi?

Edortech Ltd., founded in 2023 as an SPV, in collaboration with H-ION Ltd. and Bay Zoltan Ltd., introduces ONLi – a next-generation anode material and electrode manufacturing technology for Li-ion and Na-ion batteries, developed over 14 years of R&D.

ONLi redefines battery performance with its breakthrough solid metal-alloy anode—eliminating powders, binders, and toxic solvents. Designed for maximum impact, it delivers superior energy density, exceptional conductivity, and unmatched safety—outperforming conventional graphite and Si-C anodes on every front.

KEY BENEFITS - WHY ONLi IS A GAME CHANGER?

UNMATCHED ENERGY DENSITY

- Volumetric energy density: Up to 1168 Wh/L
- Gravimetric energy density: Up to 350 Wh/kg

THIN, EFFICIENT LAYER

- Active material layer thickness is only 6–20 μm , which is significantly less than of conventional graphite-based anodes.

NO BINDER, NO POWDER – EXTREME ADHESION

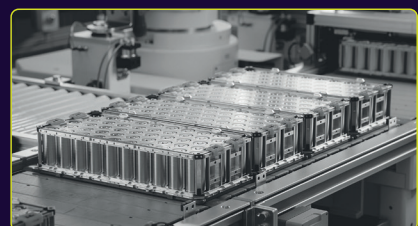
- The ONLi anode is a solid, continuous metal alloy layer, eliminating toxic binders and solvents.
- Direct diffusion adhesion onto the copper substrate
 - no delamination, no drying, no powder compaction required.

SUPERIOR CONDUCTIVITY

- Electrical and thermal conductivity are orders of magnitude better than powder-based electrodes due to the fully metallic, homogenous structure.

READY FOR ADAPTION INTO EXISTING PRODUCTION LINES

- Designed for roll-to-roll manufacturing and fully compatible with existing Li-ion cell production lines
 - meaning faster and more cost-effective scalability.
- Cost projection for mass production of anode electrode (@6GWh/year) is highly competitive.



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BREAKTHROUGH VALUE PROPOSITION

ONLi's biggest breakthrough lies in combining safety, energy density, sustainability, and manufacturability in one platform – offering:

- +70% Volumetric Energy Density on Cell Level
- +85% Gravimetric Capacity on Material Level
- No Binders - No Solvents - No Compromise
- Ultra-thin (6–20 μm) Active Material Layer
- Superior Electrical & Thermal Conductivity
- Compatible with Existing Li-ion Production Lines
- Cost Effective Production Technology

This represents a generational leap, not just in materials, but in how anodes can be manufactured at scale – cleanly, efficiently, and with better performance across every key metric.

MARKET RELEVANCE AND APPLICATIONS

- Global EV battery demand is projected to exceed 2000 GWh by 2026, driven by EV adoption and energy storage solutions.
- The ONLi anode addresses a core bottleneck: the energy density limitations of today's graphite and Si-C anodes.
- Its application potential spans EVs (cars and motorbikes), grid storage, and consumer electronics – and it's also promising anode for future Na-ion cells.

CALL TO ACTION - INVITATION FOR PERSONAL DEMONSTRATION

Given your technical background and involvement in the battery or automotive industry, we would like to invite you to an exclusive, in-person demonstration with the creators of this project at EDORTECH Ltd.

You'll have the opportunity to:

- See the ONLi anode technology in action,
- Discuss integration pathways into current production ecosystems,
- Explore partnership or investment opportunities in a globally relevant innovation.

Let me know when would be a good time for an introduction.

CONTACT US FOR SAMPLES OR PILOT COLLABORATION

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