



SOLID ENERGY INC

Engineering & Prototyping Services for Lithium Batteries — From Material, Coating, Cell to Complete Pack

www.solidenergies.com



Battery Materials & Coating Layer Development

- Cathode/Anode/Electrolyte development: chemistry, synthesis and characterization
- Cathode / anode coating process
- Custom formulation and optimization
- Custom coating layer sizes and thickness
- Coating inspection / testing



Battery Cell Engineering & Prototyping

- **Coin cell:** rapid screening / validation
- **Pouch cell:** 1 to 50 layers, 0.1 Ah to 50 Ah capacity
- **Chemistry:** Li-ion, Li-metal, Li-Air and Na-ion
- **Testing:** cycle life, rate capability, and temperature performance (−70°C to +130°C)



Battery Pack Design & Prototyping

- Custom BMS design & integration
- Air / liquid / passive thermal control
- Module assembly & bus-bar welding
- Performance and safety testing

FROM CONCEPT TO ENGINEERING PROTOTYPE

- 1 Electrode Formulation
- 2 Electrode Coating
- 3 Cell Build
- 4 Testing & Validation
- 5 Pack Integration

WHY PARTNER WITH US



End-to-end Solutions
Decade of Team Expertise



Feasibility Study
Scaled-up Production



Rapid Iteration
Flexible Batch Sizes



Full-stack Engineering
State-of-the-art Facilities

Ready to accelerate your battery program?

From Concept to Production — One Partner, One Source from R&D Lab and Pilot Production
Material synthesis · Electrode Coating · Assembly · Pack Integration

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