

Recovery Act Expanding the First Significant U.S. – Based Manufacturing

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EnerDel, Inc.

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Project ID #ARRAVT003

Timeline

- Jan - 2010
- Jan - 2013
- 20% complete

Budget

- Total project funding
 - 118 .5 million
 - 118.5 million

Barriers

- Barriers and Risks
 - Additional Financing
 - Customer Demand
 - Operations

Partners for the Grant

- Inspec
- Itochu
- Purdue University
- Shiel Sexton
- State of Indiana

ENERDEL[®]

Strategic alliances result in the most advanced solutions as technology and infrastructure evolve

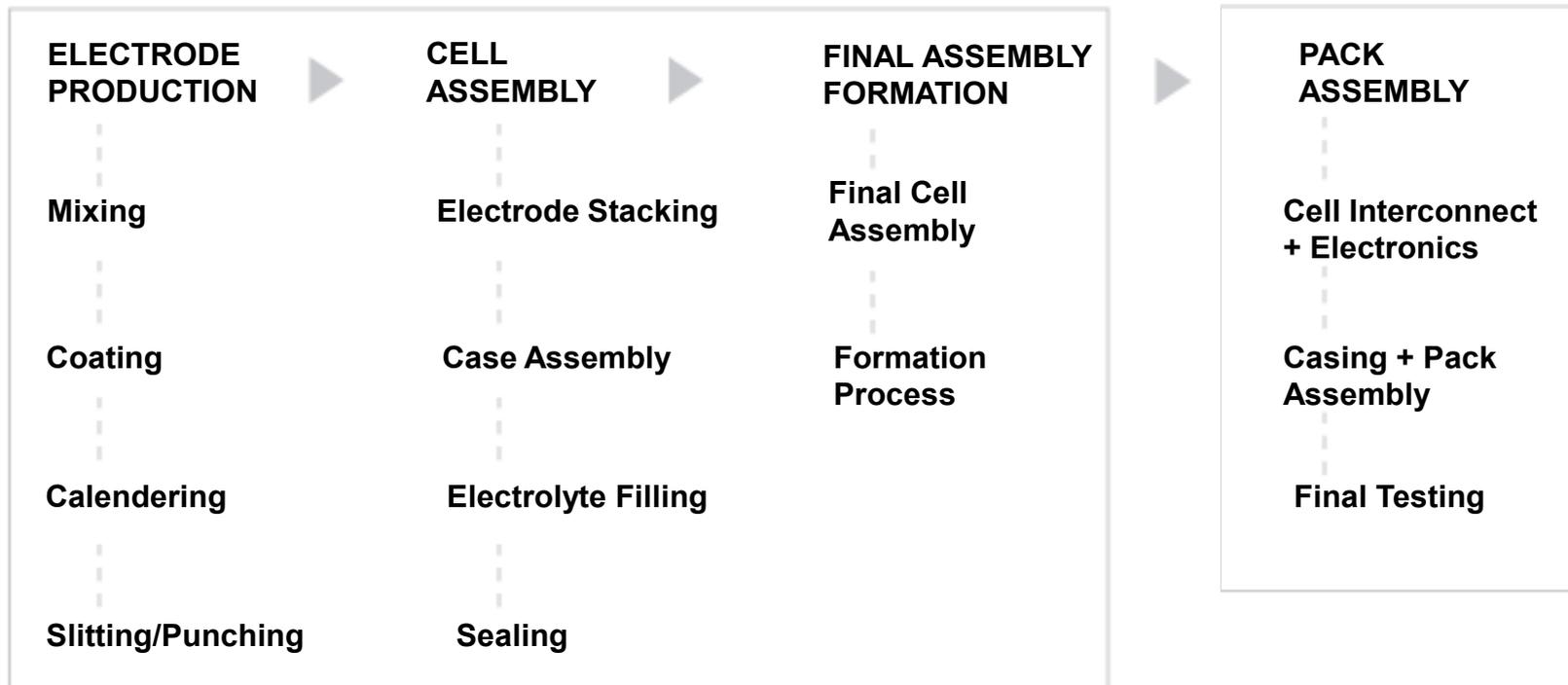


KEY PARTNERSHIPS FOR COMMERCIAL SUCCESS

- Develop Competitive mass production and engineering capability of Lithium-ion batteries
- Enhance supply chain, competitiveness of base materials
- Position EnerDel as a Tier 1 auto parts supplier

- Develop cell and battery packing equipment
- Solidify supply chain management
- Fully capacitize existing facilities for cell and battery pack production
- Hire and train the necessary human capital for lithium-ion battery production.
- To Date:
 - FONSI status of all three facilities
 - Acquired a third facility
 - Ordered the next phase of equipment needed
 - Expanded the manufacturing dry room
 - Directly hired 50 people

EnerDel has developed the following vertically integrated manufacturing process helps ensure quality, contain cost and streamline production





EnerDel has almost completed our dry room expansion. This dry room is the largest dry room in the US dedicated to lithium-ion production.

Milestone	Milestone Title	Completed
1	Grant Documentation Signed	X
2	NEPA/FONSI Approved	X
3	Start of Production for Think Pack	X
4	Hired an additional 50 people from start date.	X
5	Purchase and Install Equipment for 20 EV cell coating capacity	
6	Phase II Mt. Comfort Design Complete	
7	Hired an additional 100 people from start date.	
8	Phase III Mt. Comfort Design Complete	
9	Purchase and Install Equipment to 40 EV pack capacity	
10	Hired an additional 500 people from start date.	
11	Hired an additional 1000 people from start date.	
12	Purchase and Install Equipment to 60 EV pack capacity	
13	Project Completion	

- Third facility has been acquired.
- All three facilities received a FONSI.
- Capacity goal is 60,000 EV packs by project completion.
- Working with local government, Indiana and universities to complete technical and commercial goals.