Lockheed Martin’s 95,000-square-foot facility in Andover is the official home and single site for the development, testing and production of GridStar® Flow. Bringing together employees across roles in Engineering, Technology, Program Management and Operations, this cutting-edge facility houses the program’s New Product Introduction manufacturing site, all development laboratories and office space to support program collaboration and integration.

Fast Facts
Andover Operations

Works with 100 Total Vendors

Headquartered in Andover, MA

Supports 37 Local Vendors

Mission Area

GridStar® Flow is a redox flow battery based on the principles of coordination chemistry, offering a new electrochemistry consisting of engineered electrolytes made from earth-abundant materials. The first commercial version of GridStar Flow (S/N01) is installed at the Andover facility. This prototype will be tested to determine system performance and will form the basis for future customer-sited projects.

Facilities Breakdown

885 kW Combined Storage Test Asset Capacity

Andover Houses
1 Chemistry Lab
2 Materials Research and Testing Labs
1 Electrical Engineering Lab
2 Mechanical Engineering Labs
3 Stack Assembly and Disassembly Labs
3 Battery System Testing Labs

Manufactures Direct Current Power Modules
People and Footprint

61 Total Headcount

- 60% Engineers
- 15% Scientists and Chemists
- 10% Program and Product Management
- 10% Business Development
- 5% Operations

- 70% With Technical Degrees
- 49% With Advanced Degrees

- 60 Patents
- 11 Pending Applications
- 6 New Applications in Progress

Sustainability Practices

- Entire building was remodeled to be energy efficient and green
- Installed all LED lighting throughout the facility
- Heat Recovery System installed on Lab Fume Hood System
- Working with National Grid to install EV Charging station on site