



AMERICAN DEVELOPMENT  
INSTITUTE

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SUMMARY

Polartec, LLC partnered with ADI Energy to develop and implement a comprehensive energy program aimed at energy savings and reducing its carbon footprint.

**Size:** 3 buildings

**10 Year Savings:** Over \$7 million

SERVICES

- Energy audit development and analysis
- Energy savings analysis
- Preparing/analyzing energy savings M&V reports
- Energy management system trending
- Energy modeling
- Design/build
- Energy engineering
- Investment grade energy audit
- Energy consulting

MEASURES

- Lighting System Design
- Renewable Energy
  - Solar
  - Wind
  - Hydro
- Cogeneration—Gas Turbine
- Boiler Optimization
- Upgrade Energy Management Systems
- Install VFDs
- Replace Air Compressors

# Polartec Manufacturing Comprehensive Energy Project



## UNIQUE VALUE TO CUSTOMER

Polartec, LLC partnered with ADI Energy to develop and implement a comprehensive energy program aimed at energy savings and reducing its carbon footprint. Under ADI Energy's "See No CO<sub>2</sub> Program"™, ADI Energy evaluated over 100 energy conservation and Combined Heat and Power measures at the Malden Mills facility in Lawrence, Massachusetts. ADI Energy developed a "short list" of measures that have noteworthy economic and operational impact on the Malden Mills facility.

During this phase of the partnership, ADI Energy designed and installed new variable speed drives on the largest air handling units, replacement of two air compressors with new variable frequency drive compressors and a Tridium software platform on the existing energy management system. ADI Energy retrocommissioned the 1550 point system. Polartec, LLC is on target to save more than \$583,840 in utility costs. This lighting project also reduces the facility's carbon footprint, which aligns with Polartec, LLC's corporate Eco-Engineering program.

