

REBOUND TECHNOLOGIES  
ICEPOINT @ COLD STORAGE FACILITIES

Economically optimize blast freezing services with unmatched cooling efficiency and dynamic capacity control.

40%

Efficiency  
Gain

672 TR-hrs

Max Daily Cooling  
Capacity

2 yr

Projected  
Payback



Dynamic Cooling

**Deploy on-demand bursts up to 140 TR to match facility needs**

- ✓ Boost blast cell throughput by strategically dropping air temperatures
- ✓ Reduce utility expenses by mitigating compressor load during peak hours



Optimization

**Let utility price signals determine optimal daily operation scheme**

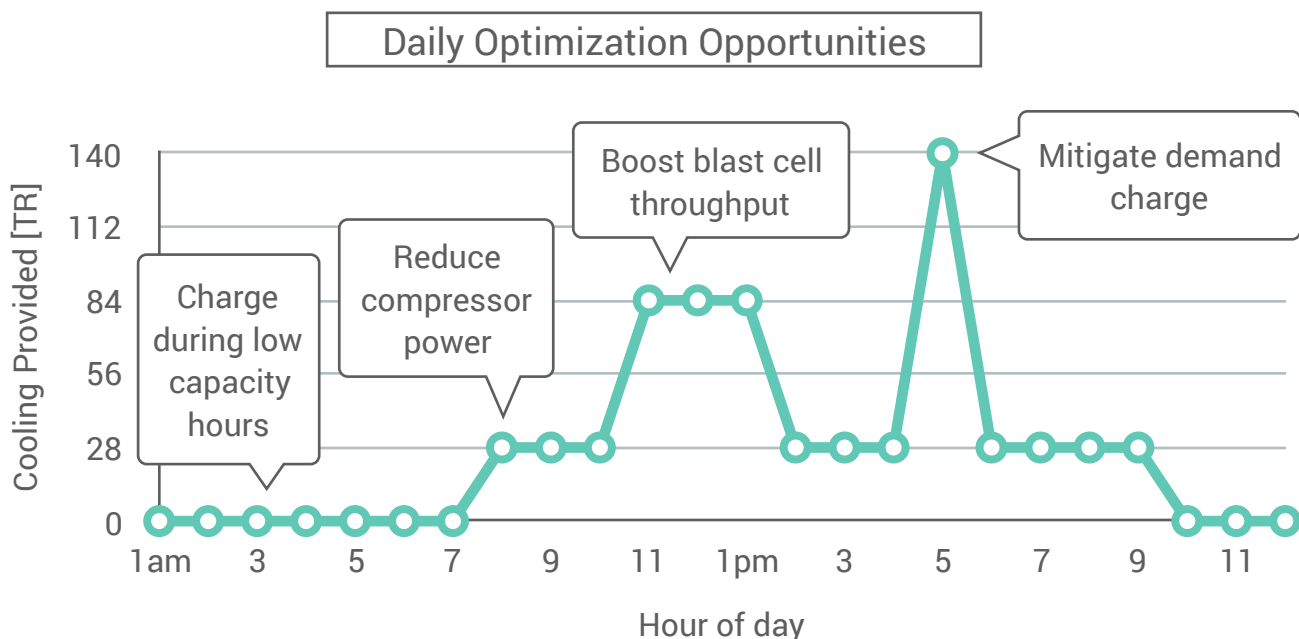
- ✓ Deploy strategic bursts during the day, then charge system at night
- ✓ Take advantage of demand response revenue streams
- ✓ Decrease off-design compressor operation



Configuration

**Ties into existing system to provide liquid sub cooling**

- ✓ Powered by free, abundant, compressor de-superheat
- ✓ 20 foot containerized plug and play product



REBOUND TECHNOLOGIES  
**SPECIFICATIONS & COMPARISON**



	IcePoint	Low Charge NH <sub>3</sub> / CO <sub>2</sub> Cascade	Pumped Ammonia Vapor Compression
Supply Temperature	-25°F	-25°F	-25°F
Cooling Capacity	28 - 140 TR	98 TR	98 TR
Electric COP	3.1	2.6	2.2
Refrigerant	Aqueous NH <sub>3</sub>	NH <sub>3</sub> /CO <sub>2</sub> Cascade	Anhydrous NH <sub>3</sub>
Bursts of Cooling	✓	✗	✗
Peak Demand Mitigation	✓	✗	✗
Efficiency Improvement	40%	20%	—