US GAS & ENERGY

INTEGRATED THERMAL INFRASTRUCTURE™

EXECUTIVE BRIEF SERIES
COLD STORAGE SOLUTIONS

CS-102

ONE SOURCE. MULTIPLE RETURNS.



The Energy Cascade™ Advantage

Capture. Cascade. Conserve.
Turn every unit of heat into measurable value.

Our Integrated Thermal Infrastructure™ captures high-grade thermal energy and cascades it through multiple applications—maximizing efficiency, minimizing waste, and accelerating your returns.

THE ENERGY CASCADE™



SOLAR THERMAL COLLECTORS
High-Grade Thermal Energy (98°C - 320°C)

- 100°C - 320°C → **POWER GENERATION** — ORC / Stirling Engines On-site Electricity
- 60°C - 100°C → **ABSORPTION CHILLERS** — Efficient Cooling for Facilities & Processes
- 40°C - 80°C → **HOT WATER** — Laundry, Cleaning, Domestic Hot Water
- 30°C - 60°C → **SPACE HEATING** — Winter Heat, Building Comfort, De-icing
- < 30°C → **PRE-HEAT / OTHER USES** — Make-up Water Pre-heat, Process Support

ZERO WASTE. MAXIMUM VALUE.

Every degree.
Every dollar.
Every time.

- **HIGHER EFFICIENCY** — More output from every unit of energy.
- **LOWER ENERGY COSTS** — Reduce or eliminate purchased energy.
- **GREATER RESILIENCE** — On-site energy reduces risk and downtime.
- **SUSTAINABLE ADVANTAGE** — Lower emissions. Stronger ESG results. Better for your brand.



RECOVER MORE. WASTE LESS.
Turning Energy Into Financial Performance.

LEARN MORE
Scan QR Code to visit
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CS-102	1.0	Cold Storage	CEO I CFO Executive Leadership	US GAS AND ENERGY USGasAndEnergy.com