



Cryotech Deicing Technology Sustainability Report

2026



About Cryotech

Cryotech Deicing Technology is an affiliate of General Atomics, a San Diego based company specializing in defense and diversified technologies. Cryotech is the North American market leader for acetate-based liquid and solid pavement deicers and propylene glycol-based aircraft deicing fluids. Its reliable delivery of high-quality products into the aviation industry allows airports, airlines and military installations to operate safely during winter weather events. Cryotech also serves the agriculture industry, leveraging its proximity to customers and expertise in chemical manufacturing to expand its product portfolio. Cryotech is focused on growth and the diversification of its products and services.

About General Atomics (GA)

General Atomics is a defense and diversified technologies company, founded in 1955 as a Division of General Dynamics and acquired by the Blue family in 1986. GA and affiliated companies operate on five continents and include GA Aeronautical Systems, Inc. (GA-ASI). The company produces a wide range of technology including a series of unmanned aircraft, electro-magnetic aircraft launch and recovery systems, satellite surveillance systems, and is the principal private sector participant in thermonuclear fusion research through its internationally recognized DIII-D program. For more information visit www.ga.com.

Report Scope and Boundary

This Sustainability Report summarizes the environmental, social, and governance (ESG) performance of Cryotech's Fort Madison manufacturing facility for calendar year 2025. The report includes:

- Employee health and safety performance
- Environmental metrics and emissions reporting
- Corporate governance practices
- Community engagement activities
- Sustainability objectives and initiatives
- Scope 1, Scope 2, and Scope 3 greenhouse gas emissions

Unless otherwise stated, all metrics reflect operations at the Fort Madison facility.



VISION

We are committed to the prosperity of our customers, employees, and the planet by providing smart, innovative solutions.

MISSION

We responsibly formulate, manufacture, and deliver industry-leading products and resources with an exceptional customer experience.

CORE VALUES



COMMITMENT TO CUSTOMER

We honor our commitments and delight our customers, building trust through responsible actions and honest relationships.



RESPECT

We value everyone and treat people with dignity and professionalism, supporting the authentic self.



YIELD INNOVATIVE PRODUCTS

We embrace original thinking and passion to innovate new products, technology, and our future.



OPENNESS

We are each accountable and responsible for our words, our actions, and our results. We comply with all regulations, legal and other requirements.



TEAMWORK

We achieve more when we are engaged and collaborate and work as one. We are united in our vision, mission, and values, which serve as the framework to set business objectives.



ENVIRONMENTAL STEWARDSHIP

We respect the air, land, and water as we thoughtfully put earth's resources to good use.



CONTINUAL IMPROVEMENT

We constantly strive to improve products, processes, and services. We identify and invest in growth and diversification.



HEALTH AND SAFETY

We are committed to provide safe and healthy working conditions for all. We encourage worker consultation and participation to eliminate hazards and reduce risks in our workplace.



Contents

2	About Cryotech
3	Business Policy
5	From the President
6	Corporate Governance and Accountability
6	Responsible Development
6	Social Responsibility
7	Employee Health & Safety
8	Significant Environmental Aspects
8	Environmental Scorecard
8	Climate and Emissions Management
9	Scope 3 Emissions Assessment • Methodology
9	Community Relations
10	Key Performance Indicators • Employee Health and Safety • Environmental

...We strive for improved sustainability performance and investing in our people, infrastructure and processes to build a sustainable future.

From the President

At Cryotech Deicing Technology, environmental stewardship is a core value operationalized through daily employee actions. Whether through responsible formulation and manufacturing, creative solutions-oriented partnerships or community engagement, we are committed to the prosperity of our customers, employees and the planet.

Cryotech is one of about 2500 companies in the United States certified to ISO 45001:2018, the global standard for occupational health and safety systems, and in the top 35% of companies to be awarded a Bronze medal by EcoVadis, a globally recognized sustainability rating platform. This reflects a structured approach to sustainability governance, continuous improvement, and supply chain transparency.

Last year, we reduced energy usage and improved efficiency by 16% through plant and process improvements. A milestone achievement for 2025 was our reduction in water intensity – realizing a 50% reduction compared to the prior three-year average and a 20% reduction compared to 2024. More importantly, we recommitted efforts to continual improvement, particularly in our pledge to a “pursuit of perfection” in protecting employees’ health and safety.

In the coming year, Cryotech will begin the multi-year process of upgrading procedures to achieve certification to the new ISO 9001:2026 standard, will strive for improved sustainability performance and will continue investing in our people, infrastructure and processes to build a sustainable future.



Amy Munday,
President, Cryotech



Amy Munday,
President, Cryotech



Corporate Governance and Accountability

Cryotech operates under the Code of Business Ethics and Standards of Conduct established by General Atomics. The company is committed to:

- Compliance with all applicable laws and regulations
- Ethical business conduct
- Product quality and safety
- Fair competition
- Accurate financial and operational reporting
- Responsible environmental stewardship
- Protection of employee health and safety

The policy also includes confidential reporting procedures for ethical concerns and protections against retaliation for employees who report violations in good faith.

Responsible Development

Cryotech's Responsible Development Team oversees initiatives related to:

- Sustainability performance
- Environmental stewardship
- Social responsibility
- Corporate citizenship
- Continuous operational improvement

The team operates under executive leadership oversight and supports integration of ESG considerations into business planning and operations.

- Social Responsibility
- Employee Health & Safety
- Protecting employee health and safety remains a core operational priority at Cryotech.



Employee Health and Safety

The company's Occupational Health & Safety management system is certified to ISO 45001 standards and is designed to ensure compliance with all applicable safety regulations while promoting continuous improvement.

2026 Safety Performance

Metric	2026 Result
OSHA Recordable Injury Rate (TRIR)	1.97
DART Rate	1.97
Lost Workday Injury/Illness Rate	0.49
EH&S Training Completion	100%

Cryotech's ongoing health and safety goals include:

- Maintaining injury rates below industry averages
- Achieving 100% EH&S training completion
- Completing corrective and preventive actions on schedule
- Maintaining high facility inspection scores

Employee Engagement and Development

Cryotech employees participate in enterprise-wide professional development and recognition programs provided through General Atomics. Programs include:

- Leadership development
- Professional skills training
- Organizational development support
- Talent management and coaching
- Employee recognition through the Mission Excellence program

These initiatives support employee retention, engagement, and career advancement.



Saves 8000 tons of CO₂e/yr

Cryotech's use of rail transportation for shipment of bulk products and raw materials saves over 8000 tons of CO₂e emissions each year.



Improved energy efficiency 20%

Upgraded equipment and improved processes last year improved the energy efficiency of solid deicer production by over 20%.



Reduced Water Use by >2/3

Cryotech has reduced its water use for production and non-contact cooling water by over 2/3 since 2016.



Recycled Steel to make 1000 cars

Cryotech has recycled enough steel to make about 1000 cars.



Cryotech has been continuously certified to the ISO 14001 Environmental Management standard since 2005.



Cryotech maintains detailed Stormwater Pollution Prevention and Spill Prevention Control and Countermeasure plans to prevent contamination of the Mississippi River which borders the south side of the manufacturing facility.



Approximately 1/3 of the electrical energy used by Cryotech is derived from renewable sources.



Scope 3 Emissions Assessment:

In 2024, Cryotech expanded its greenhouse gas reporting to include Scope 3 emissions categories considered material to operations.

Environmental Performance

Environmental responsibility is integrated into Cryotech's operational strategy and manufacturing processes. Cryotech's Environmental Management System is certified to ISO 14001:2015 standards, supporting:

- Regulatory compliance
- Environmental risk management
- Continuous improvement
- Resource conservation

Significant Environmental Aspects

Cryotech identified the following significant environmental aspects:

- Solid waste generation
- Air emissions
- Water consumption
- Energy consumption
- Potential chemical spill risks

Monitoring systems and performance baselines have been established to track progress and support future reduction initiatives.

Environmental Scorecard

Metric	2026 Result
Municipal Solid Waste Intensity:	4 kg/Metric Ton of Production
Energy Use Intensity:	1.51 GJ/Metric Ton of Production
Water Use Intensity:	5.82 m ³ /Metric Ton of Production
Scope 1 & 2 Intensity:	0.084 Metric Ton/Metric Ton of Production
Scope 3 Intensity:	5.50 Metric Ton/Metric Ton of Production
Reportable Spills:	0
NOV's:	0

Climate and Emissions Management

Material Scope 3 Categories

- Purchased Goods and Services
- Upstream Transportation
- Downstream Transportation
- Capital Goods



References for Scope 3 Emissions Calculations

CarbonCloud. (2025, 01 28).

ClimateHub. Retrieved from <https://apps.carboncloud.com/climatehub> EPA. (2025, 01 29).

Supply Chain Greenhouse Gas Emission Factor v1.2 by NAICS-6. Retrieved from Science Inventory: https://cfpub.epa.gov/si/si_public_record_Report.

Methodology

Cryotech evaluated all fourteen Scope 3 emissions categories using available primary and secondary emissions data. Categories contributing less than one percent of total emissions were deemed immaterial and excluded from reporting.

A baseline year of 2022 was established for Scope 3 emissions intensity measurement.

Sustainability Objectives and Initiatives

Cryotech continues to pursue initiatives designed to improve operational sustainability and resource efficiency. Current focus areas include:

- Incorporating energy and water efficiency into capital projects
- Reducing operational waste generation
- Evaluating sustainable raw material alternatives
- Improving process energy intensity
- Enhancing environmental performance monitoring

Community Relations

Cryotech is committed to supporting the communities where employees live and work. In 2025, the company supported a variety of educational, charitable, and civic initiatives, including:

- STEM and educational programs
- Local youth organizations
- Food pantry donations
- Community revitalization projects
- Environmental cleanup initiatives
- Employee charitable campaigns
- Regional economic development organizations

Organizations and initiatives supported include:

- Breakthrough T1D
- United Way
- Toys for Tots
- Relay for Life
- Living Lands & Waters
- Fort Madison Chamber of Commerce

Key Performance Indicators

Employee Health and Safety

	2019	2020	2021	2022	2023	2024	2025	% vs last 3 yr avg
TRIR (inj/200,000 mnhrs)	2.36	2.82	2.32	1.43	0.48	0.96	1.90	99%
DART Rt (DART case/200,000 mnhrs)	1.41	1.88	1.39	0.95	0.48	0.96	1.90	99%
DAFW Rt (DAFW case/200,000 mnhrs)	0.00	0.94	0.99	0.95	0.48	0.48	0.48	-24%
Work-Related Fatalities	0	0	0	0	0	0	0	--
EHS Training Cmpl Rt (completion %)		100%		100%		100%	100%	0%

Environmental

	2019	2020	2021	2022	2023	2024	2025	% vs last 3 yr avg
Municipal Solid Waste (kg/MT Production)	4	3	3	3	5	5	4	-8%
Energy Use Intensity (GJ/MT Production)	2.31	1.82	1.52	2.06	1.29	2.06	1.51	-16%
CO ₂ e Intensity Scopes 1 & 2 (MT/MT Production)	0.166	0.134	1.115	0.164	0.078	0.119	0.084	-30%
CO ₂ e Intensity Scope 3 (MT/MT Production)				7.54	7.48	7.39	5.50	-26%
Water Use Intensity (m ³ /MT Production)	17.81	12.19	14.5	14.92	12.78	7.33	5.82	-50%
Reportable Spills	0	0	0	0	0	0	0	--

