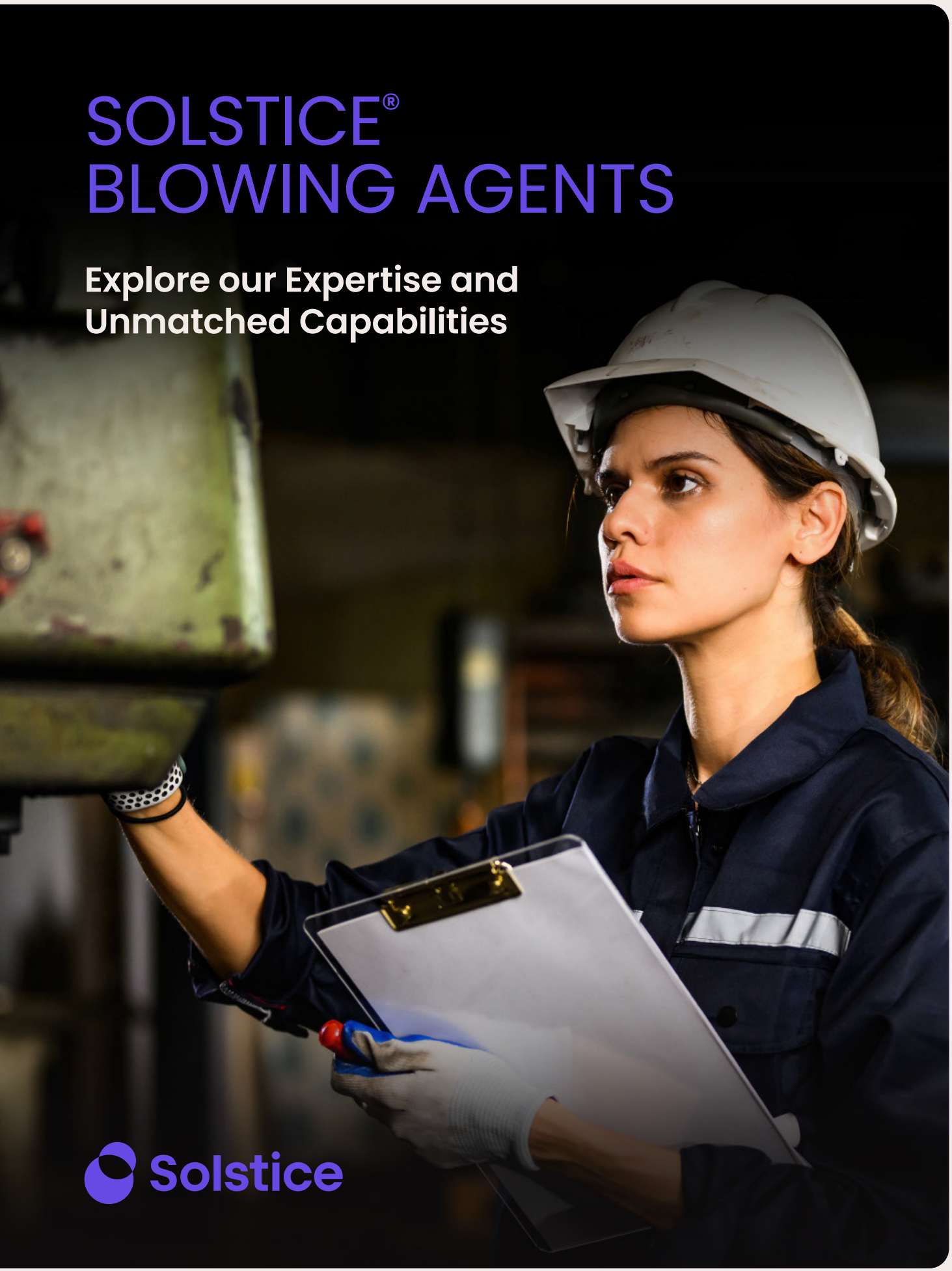
SOLSTICE® BLOWING AGENTS

Explore our Expertise and Unmatched Capabilities



Solstice

At the forefront of blowing agent solutions

The first fluorocarbon blowing agents were invented in the 1940s and Solstice has remained at the forefront of every major improvement in fluorocarbon blowing agent technology since then.

With the ever increasing need for greater energy efficiency and lower climate impact, Solstice and its suppliers have completed investments and new manufacturing capacity to produce foam blowing agents, refrigerants, solvents, and propellants based on our hydrofluoroolefin (HFO) technology. Our Solstice® portfolio of solutions, helps our customers lower their cradle-to-grave carbon footprint without sacrificing end-product performance. For foams, Solstice LBA and Solstice GBA are the gold standard for high performance blowing agents and are in use in a variety of applications around the globe.

World-scale Manufacturing Capabilities

We operate state-of-the-art production facilities in the U.S. and around the world. Our proven track record in supply chain reliability is based on decades of experience, delivering tens of thousands of metric tons of foam blowing agent per year from our production facilities. As demand continues to grow, we are continually investing in our assets and expanding capacity. For example, besides our production sites in the U.S. and China, in 2022 our fifth world-scale asset with Navin Fluorine started production in India and we also doubled the capacity of Solstice GBA in Baton Rouge, LA.

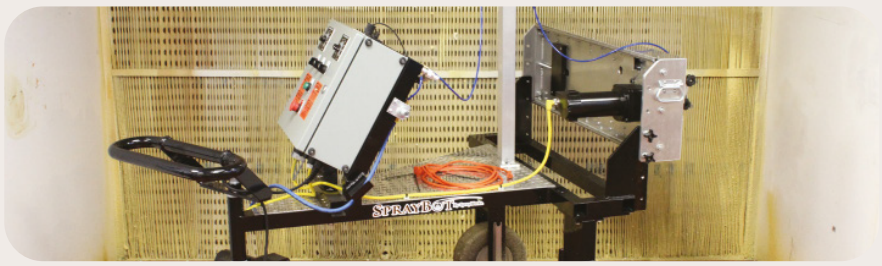
The Solstice Sinochem Lantian New Materials Co., Ltd. joint venture produces HFO-1233zd(E) in China.

State-of-the-Art Laboratories

Our global technology centers for foam blowing agent research, development, and technical support are equipped with state-of-the-art high-pressure foam machines, spray foam machines, foam thermal conductivity testing equipment, and a full array of mechanical property testing equipment, including compression/tensile testers, rate of rise measurement instruments, environmental chambers, pycnometers, optical microscopes, and other essential equipment. In addition, these laboratories are fully equipped with analytical equipment to test polyol premixes for a variety of properties and foam for cell gas content.

We use state-of-the-art spray foam machines, including third stream gas injection capability.

We perform extensive foam thermal conductivity testing, including testing at cryogenic temperature.



Our robotic machine can be used to ensure consistency and repeatability in spray test sample preparation.

The Best-In-Class Technical Team

Our leadership in advancing blowing agent technology and serving customers is due to our highly dedicated global research and technical support team. The team consists of 20 experienced professionals, plus supporting lab technicians, who work in leading-edge technology centers located across the globe. This team is unmatched in the industry.

Technical services include:

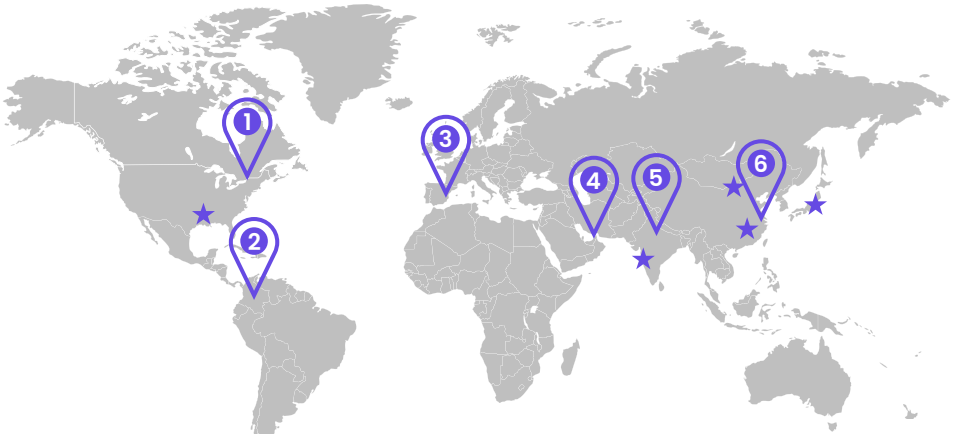
- Support new product development and optimization in PU and other thermoplastics
- Comprehensive analytical testing and foam preparation
- Assistance to convert to Solstice HFOs
- Leading edge research and development
- Regulatory guidance and education

Technical Team Facts

Collectively our blowing agents research/technical team represents:

- Over 260 years of foam/ polymer industry expertise.
- Over 125 years of Solstice experience – from CFCs to HFOs.
- Industry-trained technical personnel.
- Educational disciplines that encompass chemistry, polymer chemistry, polymer science and engineering, chemical/environmental engineering, and more.

Global Research Development and Technical Support Locations



1. RESEARCH LABORATORIES (BUFFALO, USA)

- Global R&D Center
- Applications Development
- Technical Support
- Fully equipped foam laboratory

2. LATAM REGIONAL TECH SUPPORT (COLOMBIA)

3. EUROPE REGIONAL TECH SUPPORT (BARCELONA)

4. MIDDLE EAST, AFRICA AND TURKEY TECH SUPPORT (DUBAI)

5. INDIA TECH SUPPORT AND FOAM TEST LAB (GURGAON)

6. RESEARCH LABORATORIES (CHINA)

- Applications Development
- Technical Support
- Fully equipped foam laboratory

★ MANUFACTURING PLANTS

Making a Difference with Solstice® Blowing Agents

The use of Solstice® products is helping avoid the eventual release of the equivalent of more than 395 million metric tons of carbon dioxide into the atmosphere*, comparable to:

- Carbon sequestered by **461M** acres of U.S. forests in one year.
- Taking **94 million** gasoline-powered passenger vehicles off the road for one year.
- Electricity use of **78 million** homes for one year.
- Greenhouse gas emissions avoided by **137M** tons of waste recycled instead of landfilled.

Scan the QR Codes to see examples of how Solstice HFO technology is helping customers

Want to maximize the internal Volume of a new refigerator design? Get the Solstice LBA advantage

Utility refrigerated trailers deliver for the planet

ISOCINDU sets new standards in PIR technology using Solstice® LBA in insulated metal panels

Ravago chooses Solstice GBA building agent for pioneeting thermal insulation in construction application

For more information, contact us HERE or scan below.

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Solstice

Responsible Care
Our commitment to sustainability

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