# ENVIRONMENTAL stewardship

Our Products I Our Processes I Our Vision I Our Environment

STEWARDING A SUSTAINABLE ENVIRONMENT
FOR THE NEXT GENERATION

Passionate about protecting
the environment.

# ecomate®

Our passion for protecting the environment is driven by our insatiable desire to create great products with sustainability in mind. We've found that one of the most effective ways to design and create more sustainable products is to build awareness and education around sustainability, which improves the impacts of our products on people and the planet.

Our goal is to collaborate with our customers so they are better able to select foam solutions based on sustainability factors such as energy and emissions, social conditions, land use and supporting a circular economy. To that end, we have developed a number of systems and tools to educate our customers, suppliers, and end users on ways to decrease their carbon footprint. We have also continued to communicate our product sustainability efforts to customers through routine on-site visits, trade shows, product labeling, social media and other channels.

**Environmental stewardship** is a defining feature of our company and our customers, as is our collective determination to continually raise the sustainability bar year after year. In a world of ever evolving regulatory compliance, it's no surprise that our stakeholders want to be up to speed and compliant with relevant laws, policies, and regulations – **Ecomate®** gives them the environmental advantage and regulatory compliance they demand. With zero GWP, zero ODP and no VOV's, Ecomate® complies with every current regulation pertaining to foam blowing agents.

In addition to our work within our company, we continue to leverage our relationships with peers, partners, stakeholder groups and compliance organizations to ensure our planet's sustainability.

## the ecomate® advantage

As the world continues to transition away from damaging HCFCs and HFCs, we're committed to offering innovative, sustainable foam solutions that meets regulatory requirements and supports global efforts to tackle climate change.

Practicing environmental stewardship
in everything we do.

During our 50+ year sustainability journey, we have evolved our policies, practices, processes and decision-making as we seek to protect our earth's resources. We plan for the future by integrating environmental stewardship into every facet of our business — including our products, our processes and our workplace. We know that small steps can have a big impact.

## Our Products

- With zero global warming potential (GWP), zero ozone depleting potential (ODP) and no VOCs, **Ecomate®** foam blowing agent and family of foam systems is classified as a SNAP compliant blowing agent alternative by the US EPA.
- **Ecomate®** meets all current and future regulatory requirements and is GRAS and is U.S. EPA SNAP approved to replace HFCs and smog-producing hydrocarbons.
- Since its market launch, **Ecomate®** saves millions of tons of carbon emissions every year.
- Energy star certified **Ecomarine®**, powered by **Ecomate®** technology, receives the IBEX Environmental Innovation Award.

## Our Workplace

- Converted water fountains to bottle fill stations with built in counters. 35,000+ plastic bottles saved annually from landfills and recycling plants.
- Auto-sensor faucets and motion sensor lighting installed in offices and plant floors, reducing energy consumption.
- All office paper, cardboard and plastics are recycled.
- Set-back control on all HVAC equipment regulates temperature based on occupancy.
- Elimination of unnecessary paper use by encouraging employees, vendors and customers to conduct business via electronic media.

## Our Processes

**01**
Closed-loop program for the delivery and return of chemical containers keeps thousands of drums and totes out of landfills every year.

**02**
Carbon offset methodology encourages companies to eliminate HFCs.

**03**
Use an optimal mix of shipping options based on speed, cost and sustainability.

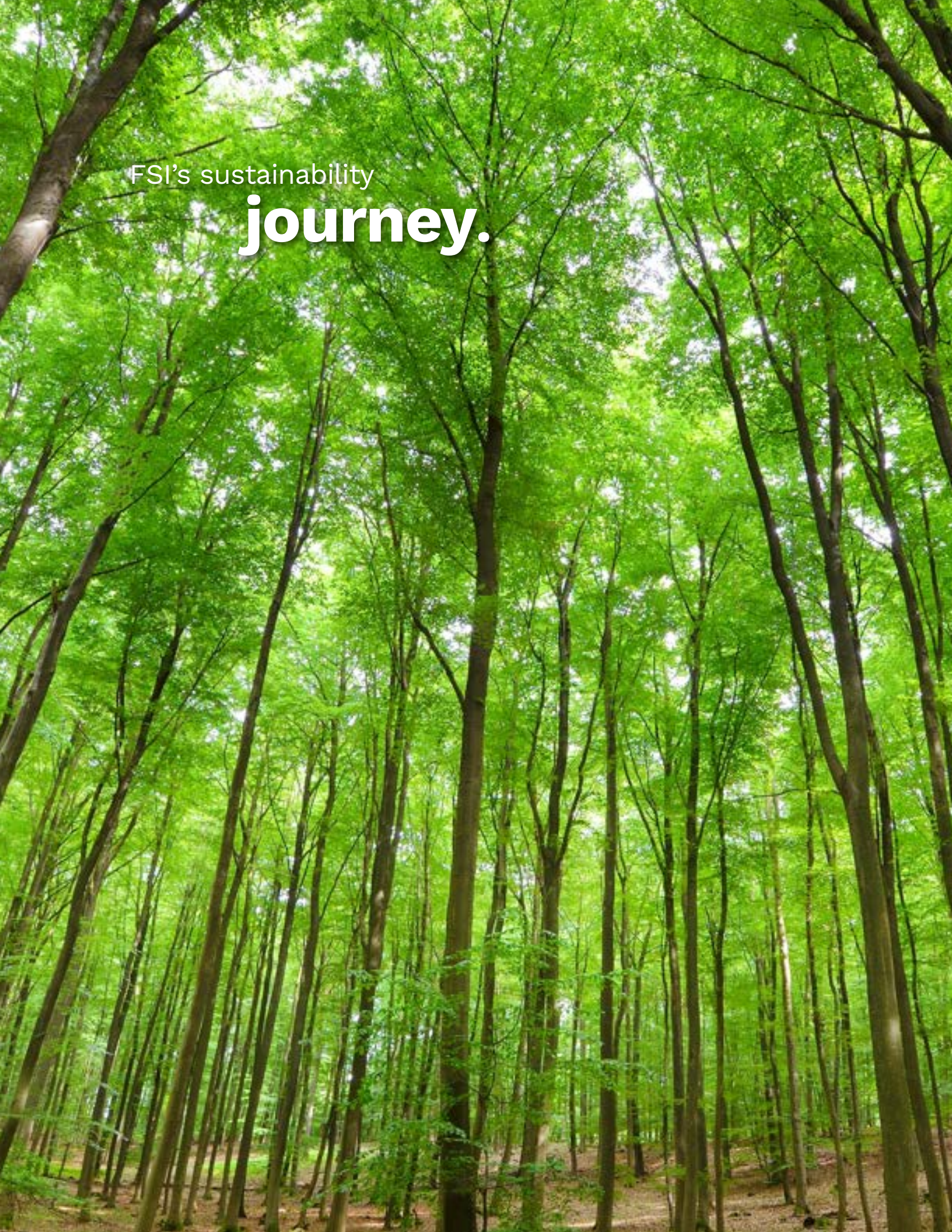
**04**
Pallet return program in place for reuse.

**05**
Increase our customers awareness of the risks and opportunities associated with climate change and the growing global priority to reduce carbon emissions and conserve energy and natural resources.

**06**
Steps taken to conserve energy and reduce waste at the global facilities we own and operate.

**07**
Office equipment is donated to charity or recycled.

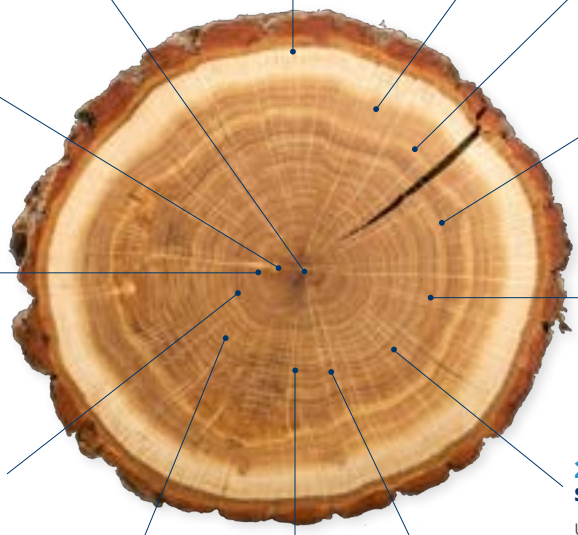
**08**
As a zero landfill facility, all plant materials, including plastics, dunnage, carbon steel, brass, aluminum and copper are recycled.



FSI's sustainability

# journey.

Since our founding, FSI has always been dedicated to making polyurethanes safer for the environment. One of our greatest environmental achievements was the development of **Ecomate®**, the world's first polyurethane blowing agent with no ozone depletion or global warming potential, as well as no volatile organic compounds which create SMOG. Ecomate® remains the most proven and sustainable blowing agents available today.



**2019**
**A peer into the future.**

As a Montreal Protocol certified product, Ecomate® supports the Kigali Amendment, which aims to reduce the consumption of HFCs by more than 80% by 2047. This reduction could prevent a 0.5°C increase in global temperature and reduce the effects of HFCs on the climate and the ozone layer.

**1972**
**In the beginning.**

FSI is founded by husband and wife team, David and Karen Keske, both ardent conservationists and outdoor enthusiasts.

**2016**
**The push to eliminate HFCs begins.**

FSI helps develop carbon offset methodologies to encourage companies to eliminate HFCs.

**2011**
**Global reach.**

FSI owned and operated location opens in New Delhi, India, solidifying FSI's commitment to making an environmental impact on a global scale.

**1986**
**Providing the necessary tools on the way to environmental sustainability.**

FSI develops and patents Solvent- Less Urethane Gun (SLUG). The first of its kind, the gun mixes and dispenses foam without the use of toxic solvents.

**2009**
**Ecomate® awarded safety approval by the FDA.**

Ecomate® achieves GRAS (Generally Recognized As Safe) approval from the FDA, signifying that it's safe for manufacturers to use in the development of products.

**1992**
**Protecting the earth's ozone layer in accordance with the Montreal protocol.**

FSI receives a patent on the first non-CFC blown chemical system. This success is quickly followed by the development of HFC PU technology to replace ozone- depleting HCFCs.

**2008**
**Ecomarine®: A rising star.**

Energy star certified Ecomarine® receives the Environmental Innovation Award at the IBEX Trade Show for displaying innovative and impactful achievements in the foam supply industry.

**1998**
**The search begins for a next generation blowing agent.**

FSI sets a goal to pre-empt regulatory mandates by developing the most environmentally sustainable and responsible polyurethane technology. FSI develops HFC-134a systems to replace ozone-depleting HCFCs.

**2006**
**Setting high standards.**

Using FSI's Ecostar® Class 1 system, FSI's discontinuous panel producer achieves Factory Mutual (FM) approval, the highest standard for safety and property loss prevention.

**2002**
**Ecomate® receives worldwide patent.**

FSI realizes its goal with the patent and market launch of Ecomate®. Today, Ecomate® is the most tested and proven 4th generation blowing agent technology in use.

**2005**
**Stewarding a sustainable international environment.**

FSI's global presence expands with Ecomate® technology. Partnerships are formed in Australia, Brazil and the UK, followed shortly after with partnerships in Asia Pacific countries.

**2003**
**A seamless conversion to Ecomate®.**

Less than two years from its initial launch, FSI successfully converts 95% of its customers to Ecomate® blowing agent systems, demonstrating that conversion is easy and non-disruptive.

## David and Karen Keske,

passionate stewards of the environment, founded FSI in the early 1970's with a vision of building a company where people and the environment thrived. In the decades since, we have been on a journey to realize that vision. We do this by constantly challenging the status quo. We actively seek to collaborate with communities near our operations, our suppliers, customers and government entities to address environmental challenges. We also strive to empower and engage our employees in our effort to build a more sustainable environment.

# A WORLD LEADER IN POLYURETHANE TECHNOLOGY AND SOLUTIONS

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OUR COMMITMENT TO SUSTAINABILITY