

We invented the Exergy steam drying technology in the late seventies and have over 40+ years' experience in designing and delivering drying plants using our technologies integrated with other processes. We strongly believe in a long term trust based relationship with our clients, partners and suppliers. Our drying solutions reinforces your process.



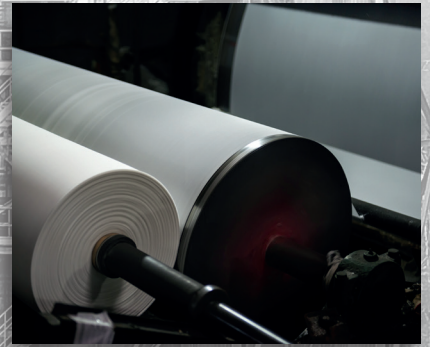
# Even more sustainable world.



Biomass



Animal Feed



Pulp & Paper



Ethanol



Food



Sludge

# Energy efficiency, sustainability and innovation

are key to mitigate and solve the negative effects of climate change. There is lots of room for improvement when it comes to reducing energy wastage in all industrial processes.

Many have a misconception about energy waste in many industrial processes and sees it as harmless. That is not the case. Wasting energy and not taking action regarding sustainable solutions is stealing resources that belongs to future generations. The dehydration process is, in many industries, the costliest and most energy demanding process and cause of high CO<sub>2</sub> emissions, particulate & high VOC emissions with high risk of fire and explosion.



Prem Verma,  
CEO, Swedish Exergy

“Our clients **eliminate emissions** and maximize use of energy through our technologies and thereby become more **energy efficient** and **environmentally friendly** with added financial benefits. Our experience and know-how with Exergy technologies is unmatched.”

## Our Vision

**Even more sustainable world** – *We enable our customers to go further than anyone else in realizing higher profits with the most energy efficient and environmentally friendly innovative dehydration processes.*

## Our Mission

*To provide energy efficient solutions to our clients enabling them to increase profitability and reduce their carbon footprint.*

# Our history

The ExergyPSSD® (Pressurised Superheated Steam Drying) technology was invented at Chalmers University of Technology, Gothenburg, Sweden, in the late 1970' by Claes Münter, founder of the company.

The first ExergyPSSD® was delivered in 1979.

Since then, we have delivered over 100 solutions with our technology portfolio of Dryers and Evaporators.

Today, Swedish Exergy is a company with the capability to design, engineer, manufacture & deliver large and complex projects all over the world. We have developed other technologies and processes and acquired key equipment supplier Karl Hamacher GmbH in 2010.

We design, manufacture and deliver dehydration solutions for processing of various applications and minimize energy usage, help produce renewable energy, and have been proven to provide substantial benefits in many industries like Biomass- and biofuels production, Pulp and paper, Sludge drying, Food production and Animal feed.



## Why choose Exergy Technologies?

- Low total energy consumption per ton evaporated water
- Recovery of energy as pressurized steam
- Few rotating parts = low maintenance cost
- Short response time and precision dryness
- No emissions to the atmosphere
- No odour
- Small foot-print, low ground space requirement
- No risk of fire and explosion = safe operation and low insurance premium
- 100% sterilised product after ExergyPSSD
- Low total life cycle cost
- Low expansion cost to future capacity
- Lowest CO<sub>2</sub> foot print compared to any thermal drying process
- ZERO CO<sub>2</sub> emission with MVR solution
- Water recovery – can reduce water foot print
- Large capacities
- Flexible design – adaptable solution

# Your trusted partner for responsible dehydration solutions

Exergy strongly believes in on-going development of products and processes of the company. Timely delivery and quality are core elements of our business.

Swedish Exergy is focusing its efforts on future energy production systems, waste to energy projects, new application development and continued innovations. We have, for further advancement, our Pilot plant for product and application development.

All aspects of the work of the company shall promote UN Sustainable Goals:



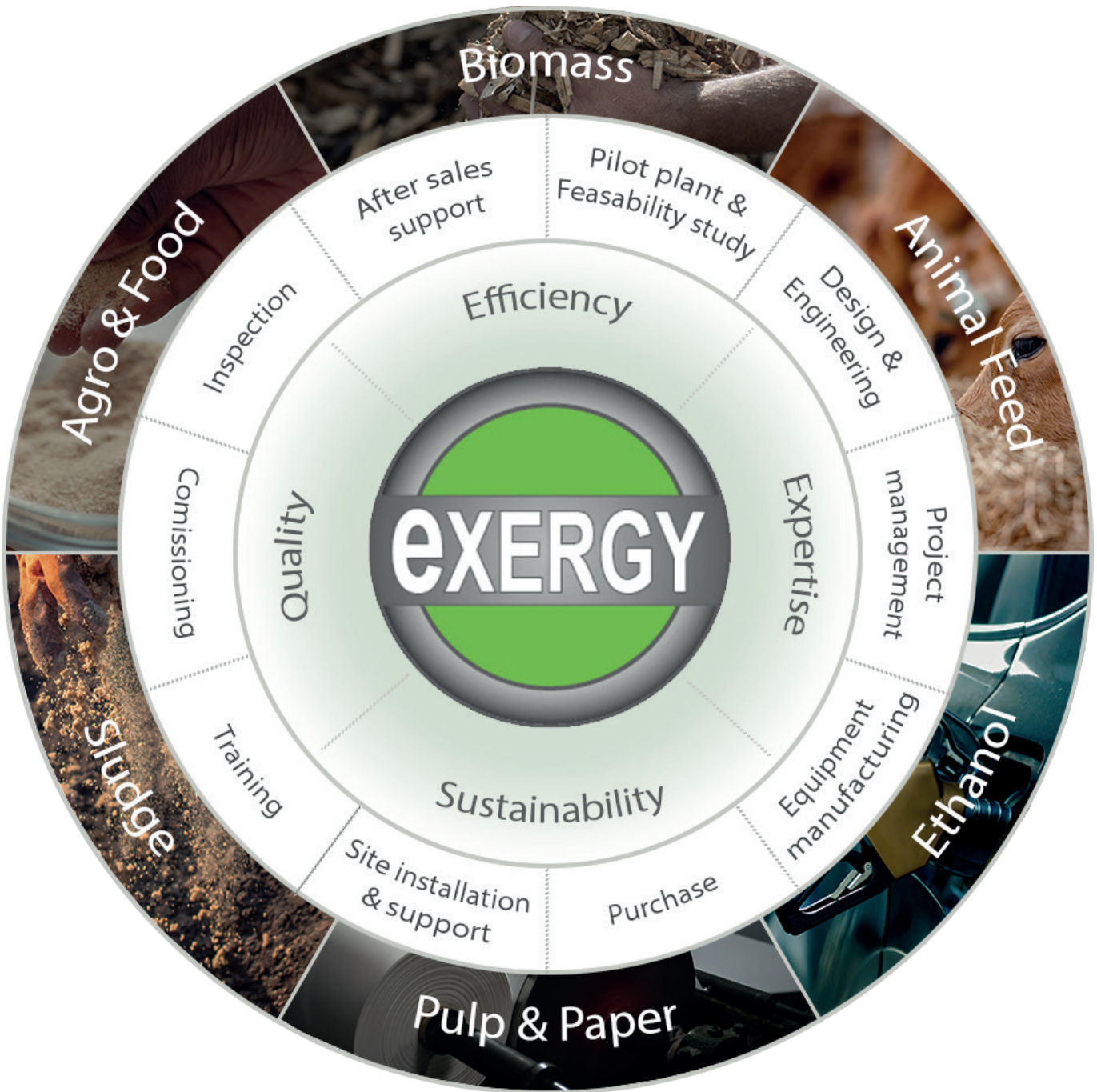
**Clean water and sanitation –**  
Sludge and waste water treatment application



**Affordable and clean energy –**  
energy efficient solutions for production of bio-fuels

Quality Assurance aspects for all projects will meet the requirements of the Swedish Exergy Environment and Quality Management System which is certified in accordance with ISO 9001:2015 and ISO 14001:2015.





We supply over-all Project Management of small and large projects and have over 40+ years of experience. Through our well-established network of suppliers, associated partners, subsidiaries and sub-contractors we deliver bespoke plants for our international and local clients to suit their requirements.

The Exergy team is a keen mix of young talents and experienced experts from all over the world capable of completing large and complex projects and provide expertise in all businesses.

# From start to finish, and beyond.

Swedish Exergy has delivered plants for many applications in many sizes.

We have the capability to make your aspiration a reality, and we are with you from start to finish, and beyond.



## **Pilot Plant & feasibility study**

*Feasibility studies and product testing at our pilot plant is provided to our clients. This shows product quality improvements & suitability of our technology for their products.*



## **Design & engineering**

*Exergy have a specialized group of experts with lengthy experience in both Engineering and Design that provides services within several different areas.*



## **Project management**

*Over-all Project Management of small to large projects and work together with your team and sub-suppliers to provide the most efficient and timely completion of projects.*



## **Equipment Manufacturing**

*We manufacture key equipment in our own workshop and dedicated workshops in Europe.*



## **Purchasing**

*We do complete purchasing for our projects to ensure highest quality and sustainability.*



## **Site Installation & support**

*Choose between a full turnkey delivery, our installation supervision or doing installation yourself based on our detailed installation manual.*



## **Commissioning**

*The plant is put into operation by our engineers after installation, from pre-start checks to fine-tuning, in order to meet the contractual obligations and ensure client satisfaction.*



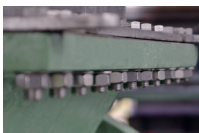
## **Training**

*Swedish Exergy provides on-site and off-site training to client's engineers, operators and maintenance personnel.*



## **Plant Inspection**

*We commit to visit the client to assess the status of the plant, the need of spare parts or maintenance, updates and process optimization through the whole life cycle of the plant.*



## **After Sales Support**

*Exergy provides warranty after project completion as well as supplying spare parts, engineering and manufacturing after sales support to our clients.*

Choose a solution that will reduce; your carbon footprint, water usage, energy waste and production cost, all while you increase the production safety, reliability and maximize profits.

## Let's talk.



**SWEDISH EXERGY AB** | Even more sustainable world

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SCAN ME