

# ANDRITZ

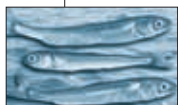
## Feed & Biofuel



*Global supplier to the*



Animal feed industry



Aquatic feed industry



Petfood industry



Biofuel industry



Waste recycling industry

## ANDRITZ FEED & BIOFUEL

is a global corporate group with worldwide activities in development, production and supply of technology and after-sales service to the feed and biofuel industries.

## ANDRITZ FEED & BIOFUEL

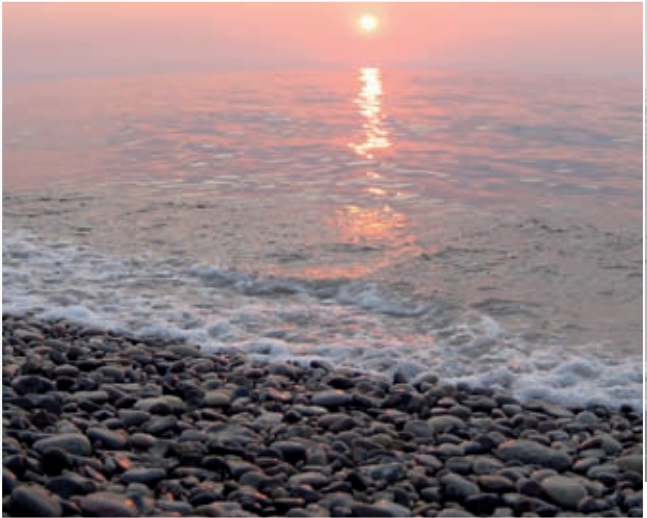
has branches in Denmark, Holland, USA, England, Germany, France, Slovakia, Mexico, Venezuela, Chile, Brazil, Australia and China, and thus employs approx. 600 people. Furthermore, ANDRITZ FEED & BIOFUEL is represented by a large worldwide network of agents and distributors.

ANDRITZ FEED & BIOFUEL is a member of the industrial group ANDRITZ AG.

ANDRITZ AG is a global technology-based industrial group with headquarters in Graz, Austria. ANDRITZ AG is traded on the Vienna Stock Exchange. The group holds 35 production/service facilities and counts more than 120 affiliates and distribution firms around the world with approx. 10,000 employees.

# No matter where you are – we are just around the corner

*“When choosing a solution from ANDRITZ FEED & BIOFUEL, you choose to cooperate with a worldwide network of sales and service branches”*



ANDRITZ FEED & BIOFUEL is strongly positioned worldwide thanks to our highly skilled staff, well-reputed products and extensive know-how gathered over several decades of cooperation with the animal feed, aquatic feed, petfood, biofuel and waste industries.

The ANDRITZ FEED & BIOFUEL experts put every effort into securing that the technologies and services supplied to our customers fulfil every expectation and demand, regardless of location.

With the efficient and simple ANDRITZ FEED & BIOFUEL “one-stop-shop” concept, we aim to cover all operations in the customer’s production flow. Our solutions are tailor-made to the specific requirements, be it for know-how, engineering, process lines, single unit machines, spare and wear parts or service.

We seek to develop and supply innovative products and solutions based on technological progress and commercial advantages for our customers.

# Quality feed products – a step towards safe and healthy food

*“25% of all global industrial feeds are passing through ANDRITZ FEED & BIOFUEL’s technical solutions”.*

## **Feed for industrial animal production**

Industrially produced feed is undergoing a continuous processing and quality improvement to keep pace with the effectiveness of the agricultural industry and the continuously increasing demands on food safety.

The ANDRITZ FEED & BIOFUEL pelleting plant solutions are developed with optimum focus on feed safety and traceability.

Production lines supplied by ANDRITZ FEED & BIOFUEL are based on a complete programme of well-proven process machinery and equipment in combination with integrated IT solutions, which ensure easy operation, high plant efficiency and full process traceability.

## **Aquaculture is the future food source**

A large growth within fish farming in all regions of the world means a corresponding growth in the demand for aquatic feed. Success in breeding fish requires correctly adapted feed formulas with controlled homogeneous content and exact physical properties.

The extruder accounts for the key process in this complex production line, which consists of all processes from the receipt of raw materials to the finished product.

ANDRITZ FEED & BIOFUEL is behind the development of unique extrusion programmes for the production of all kinds of fish feed, shellfish feed and petfood.

## **Growing prosperity also for the benefit of pets**

Branded dog and cat feed can be found in numerous shapes, colours, and flavours in any supermarket.

Therefore, the heavily competing petfood industry makes huge demands on the production equipment.



# Fuel based on wood and other renewable materials

*“Wood pellets represent an excellent environmentally friendly CO<sub>2</sub> neutral energy source, which is increasingly replacing fossil fuels like coal and oil”.*



## **Production of wood pellets**

In recent years, the increasing focus on renewable energy has strongly enhanced the interest for plants producing wood pellets from waste products from the timber, paper, furniture, and forestry industries.

ANDRITZ FEED & BIOFUEL offers complete heavy-duty solutions for the production of biofuel, including grinding and pelleting on especially designed machinery.

## **Corn wet milling and bioethanol production**

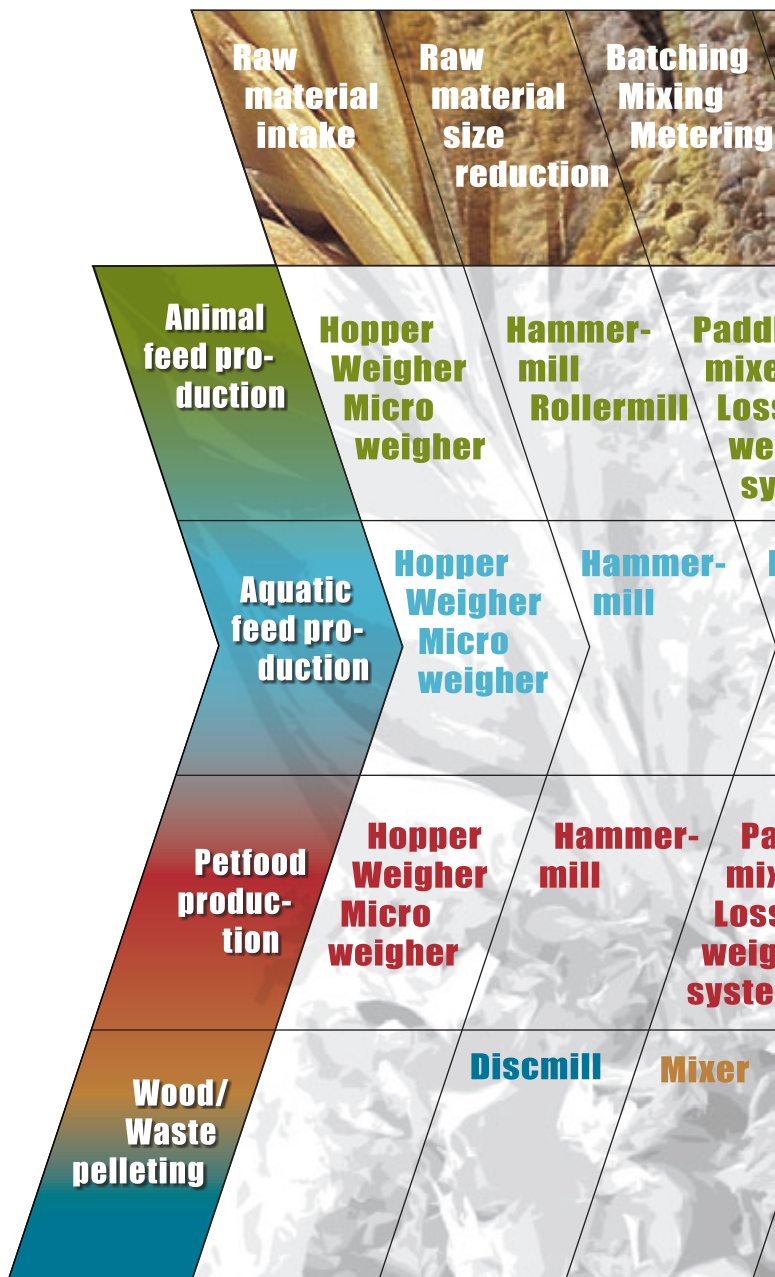
ANDRITZ FEED & BIOFUEL is a key supplier of degerminators, disc mills, fine-grinding mills, separators, rotary valves, continuous mixers and other machines for the corn wet milling industry. The starch retrieved from this process can be converted into bioethanol. ANDRITZ FEED & BIOFUEL supplies hammer mills, decanter centrifuges, continuous mixers, and centrifugal pumps for bio-refineries as well as dry-grinding bioethanol plants.

## **Waste pelleting**

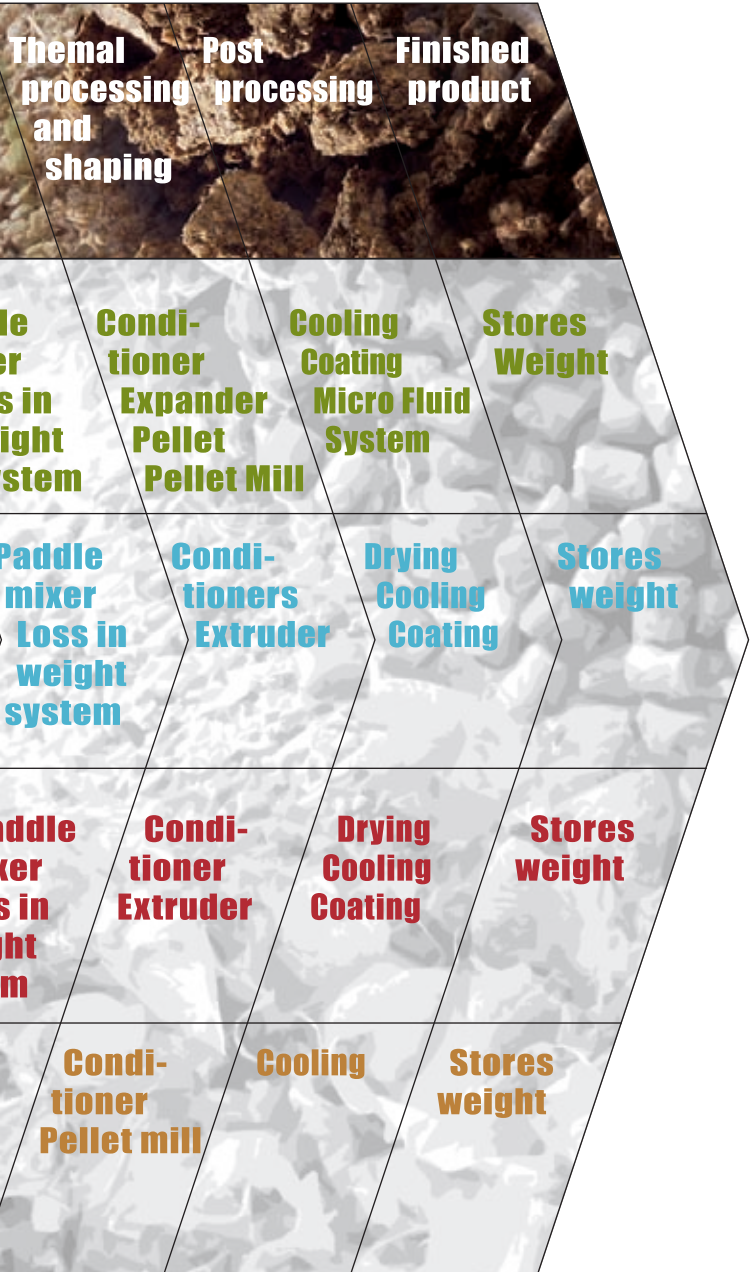
The reinforcement of regulations for landfill sites and the increasing focus on improved handling of waste materials generate demands for solutions in this particular industrial sector.

During the past 20 years ANDRITZ FEED & BIOFUEL has supplied solutions for pelleting of industrial surplus materials and household waste for incineration and recycling. ANDRITZ FEED & BIOFUEL's sturdily designed pellet mill holds a strong position in the waste pelleting industry for a wide range of products, such as plastics, paper/labels, cardboard, sludge, industrial waste, chemicals, stabilizers, etc.

# ANDRITZ FEED & BIOFUEL:



process machines or  
complete process solutions



The extensive range of ANDRITZ FEED & BIOFUEL products covers all needs for equipment changes or new process lines in your plants.

# We advise, design, supply and commission

*“For ANDRITZ FEED & BIOFUEL the task is to define the best solutions and methods for each individual project”.*



The customer's demands for new process lines, equipment upgrades and aftermarket support are our incentive. We design and develop all key processes in the feed as well as the biofuel production, thus ensuring that the customer obtains the highest standards of quality, performance and operational reliability.

Our extensive product range considers the customer's demands, be it for the production of industrial feed, extruded aquatic feed and petfood or wood and waste pellets. The support from ANDRITZ FEED & BIOFUEL provides optimum technology and competence for the customer's project.

## **R & D based on global inspiration and demands**

Our goal is to strengthen our competitiveness for the mutual benefit of the customers and ourselves.

Both the customer and external experts take active part in ANDRITZ FEED & BIOFUEL's research and development as regards processes, electronics, technical science as well as energy and environmental research.

By thinking ahead we can offer unique products and guarantee to deliver an even more competitive solution for the next investment in production equipment.

## **Full-scale test plant**

Our process know-how is continuously expanding owing to the experience we gather through tests and research at our well-equipped test plant - a service we also offer to our customers. Partnership and customer relations are for us an important link to achieve common results in the development of equipment and processes.

# Global manufacturing

*“Our team of well-educated employees covers a wide technical competence”.*



All machines and consumables are manufactured and quality-assured at ANDRITZ FEED & BIOFUEL's modern and highly specialized production centres in Denmark, Holland, Slovakia, USA and China. ANDRITZ FEED & BIOFUEL B.V. in Geldrop, Holland, produces for example dies and roller shells for pellet mills of any brand.

Continuous investments in global branches, production equipment and development, combined with a qualified technical staff, expert know-how and experience ensure ANDRITZ FEED & BIOFUEL a continued position as a globally leading supplier of competitive solutions.



# Support where and when you need it

*“ANDRITZ FEED & BIOFUEL’s aftermarket service concepts minimize the plant downtime”.*



ANDRITZ FEED & BIOFUEL offers the feed and biofuel industries an unmatched regional support and service.

## **Regional storage of critical parts**

The concept of global design and manufacturing centres in combination with multiple regional sales and service companies and a supplementary network of agents and distributors offer any customer a fast, efficient and competent support.

Sales and service people, speaking the local language, are ready to supply emergency parts and local service to keep your plant running efficiently at any time.

## **Preventive maintenance programmes**

ANDRITZ FEED & BIOFUEL offers a wide range of preventive service solutions to keep the customer’s production running efficiently, prevent expensive operation stops and reduce daily maintenance costs.

Years of close cooperation with our customers have enabled us to anticipate the need for service and offer optimum and competitive solutions.

ANDRITZ FEED & BIOFUEL service visits include inspection of process lines, replacement of vital spare parts and support to the operation staff in production optimization and reduction of operating costs.

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