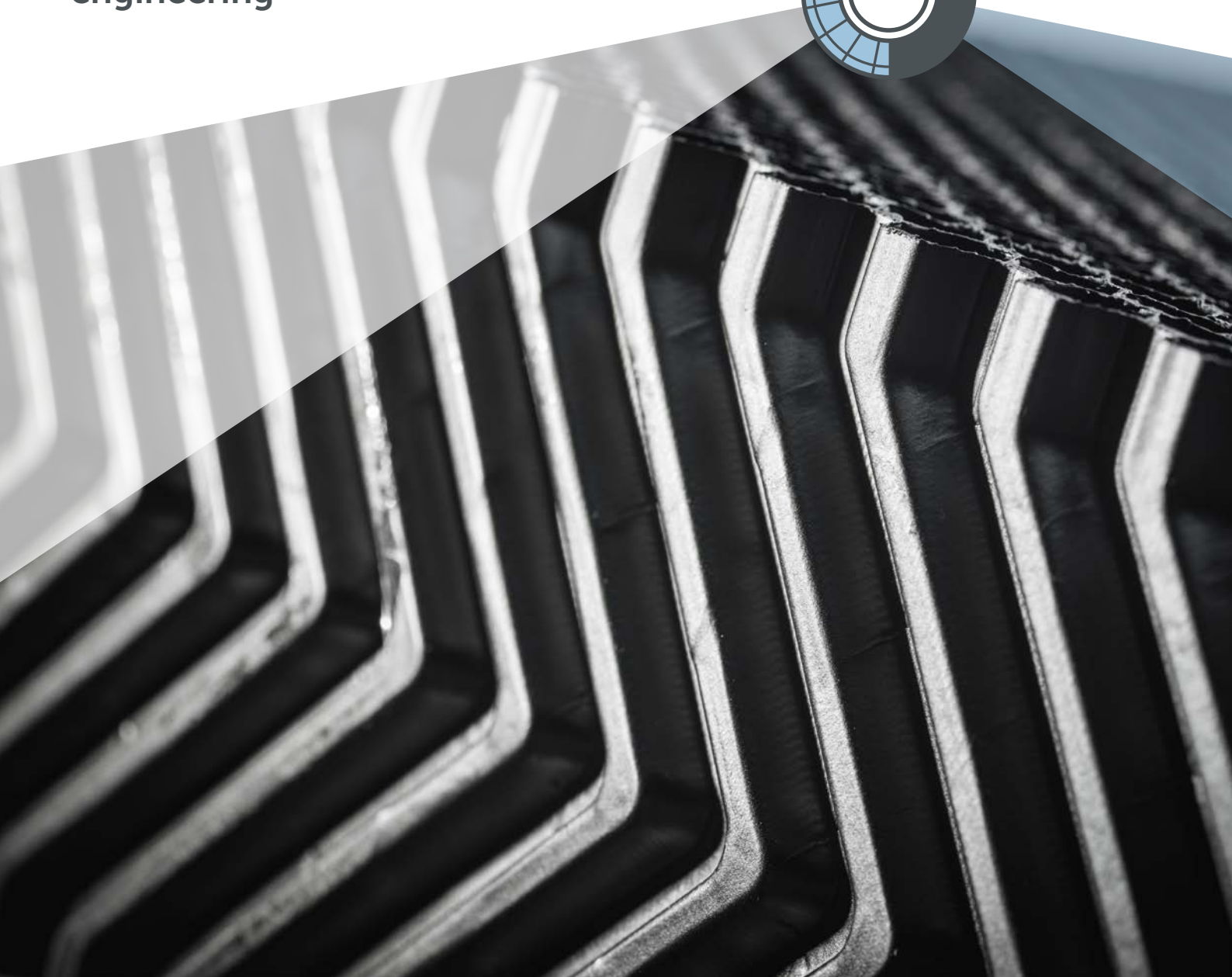
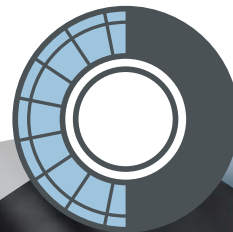


# 2H COMPONENTS & SOLUTIONS

ENEXIO – the global supplier  
of components for agricultural  
engineering





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## COOL AIR IN CLEAN AIR OUT

To meet increasingly stringent environmental requirements and the growing competition in the agricultural sector, ENEXIO has developed innovative and cost-optimized solutions:

2H fills for exhaust air cleaning, dust removal, air humidifying and cooling as well as blackout.

# ENERGY. ENGINEERING. EXCELLENCE.

After the sale of the Heat Exchanger segment of **GEA Group AG** to the holding company **Triton-Partners**, the activities in the area of power plant cooling, water treatment, mass transfer and agricultural engineering were integrated in **ENEXIO Group**.

The name of **ENEXIO** stands for our pioneering activities in the areas of power plant cooling, water treatment, mass transfer and agricultural engineering. At the same time, our name is a promise to our customers and business partners – ENEXIO stands for **Energy. Engineering. Excellence.**

With our experience and our pioneering spirit in engineering, manufacturing and services, we deliver worldwide cutting-edge solutions for power plants, water and wastewater applications as well as in agriculture – always with a

responsible handling of resources for a clean environment. Our employees work with unceasing commitment to high quality, ecology, cost-effective products and services. We deliver excellence, and our one goal is: customer satisfaction.

For more than 80 years, ENEXIO has been established successfully as the leading supplier worldwide in the development and production of wet and dry cooling systems.

Along with air-cooled condensers (ACC), Heller technologies for wet cooling towers and dry/wet combinations, the eco-friendly Circumix technology for ash and wastewater management in coal-fired stations, our expansive portfolio includes cooling tower components and 2H solutions for water purification and wastewater treatment as well as agricultural engineering.

## ENEXIO Total product portfolio



AIR-COOLED CONDENSERS



HELLER SYSTEM®



WET COOLING SYSTEMS



2H COMPONENTS & SOLUTIONS



## **EXHAUST AIR CLEANING & DUST REMOVAL**

In close collaboration with our customers, we offer the right fill for each and every plant concept.

We are happy to lend you support with the selection of the right fills and the optimization of the flow control.

# WE PROVIDE CLEAN AIR

The air in the stable must be cleaned of dust, ammonia and organic odor substances.

## Dust removal

Permanent ventilation transports dust from litter, feed as well as skin and feather particles from the stable to the exhaust air cleaning system. The amount of dust is reduced before entering the cleaning system, so an impermissibly high concentration of the dust in the wash water is avoided. At the same time, a high level of dust removal reduces odors very effectively since dust is a powerful odor-bearing compound.

Our dust removal pads vary in terms of their removal efficiency. We strive to find an ideal compromise between a high level of removal and low pressure drop in every application.

## Exhaust air cleaning

For exhaust air washers to achieve efficiently and economically the required cleaning output of 70 to 90 %, such fill packs are used that work in both counter-flow and cross-flow applications (e.g. tunnel ventilation) in local exhaust air cleaning systems.

The open structure of our packs reliably prevents deposits and blockages and significantly reduces maintenance times and expenses. Our fills have a very low level of pressure drop while delivering a high removal efficiency; thus they reduce operating costs to a minimum.

## Advantages of the 2H fills

- robust design
- easy installation
- low maintenance



2H NET 150



2H KZP 312



Exhaust air cleaning with 2H NET 150



## **AIR HUMIDIFICATION & AIR COOLING** **BLACKOUT BLINDS**

To thrive, breeding animals and plants require environmental conditions that are adapted to their needs.

For one, the air temperature is an important factor of influence on productivity. Especially in regions with high outside temperatures, it is necessary to cool the air in rooms. In such cases, adiabatic cooling is often used, upon which our 2H AGRIdek climate system is also based.

Secondly, day and night rhythms other than the natural ones must often be adhered to. For this, use of the 2H blackout blinds is ideal.

# COOL, MOIST AIR FOR HEALTHY ANIMALS

## Cool air

The 2H AGRIdek climate system for air humidifying and air cooling is a complete solution consisting of our 2H HUMIPACKING® evaporation fill as heat exchange surface, a sprinkler unit and one or more pumps for water circulation.

The 2H AGRIdek climate system is installed form-fit in front of the stable wall opening. The fills are irrigated with water. An artificial air flow is generated by means of fans and guided through the 2H HUMIPACKING®. The warm outside air thus comes into contact with the water, cools down and is guided into the stable. The matching components together with the large evaporation surface of the fill provide outstanding cooling with low energy use. With clip-on profiles, the 2H AGRIdek system is easy to install.

Of course, our 2H HUMIPACKING® fills can also be installed individually in existing irrigation systems. They are easy to clean and durable.

## Advantages at a glance

- high cooling and irrigation performance
- suitable for water with high degrees of hardness
- fast cleaning possible – usually simply with water
- low operating costs
- high corrosion and erosion resistance
- strong chemical and UV resistance
- easy installation and low weight
- environmentally compatible since they are free of halogens and heavy metals
- easy operation
- cost-efficient

## Blackout

ENEXIO offers special blackout blinds that let very little light penetrate into the stable from outside. Artificial lighting can then create special day and night rhythms.

The 2H TAP 160 blackout blinds with specially developed holders are installed in front of air inlet vents or fans.

## Advantages of the 2H profile TAP 160

- very rugged
- low pressure drop
- easy to clean



2H HUMIPACKING®



2H TAP 160 blackout blinds



Chicken farm, Australia

[www.enexio.com](http://www.enexio.com)