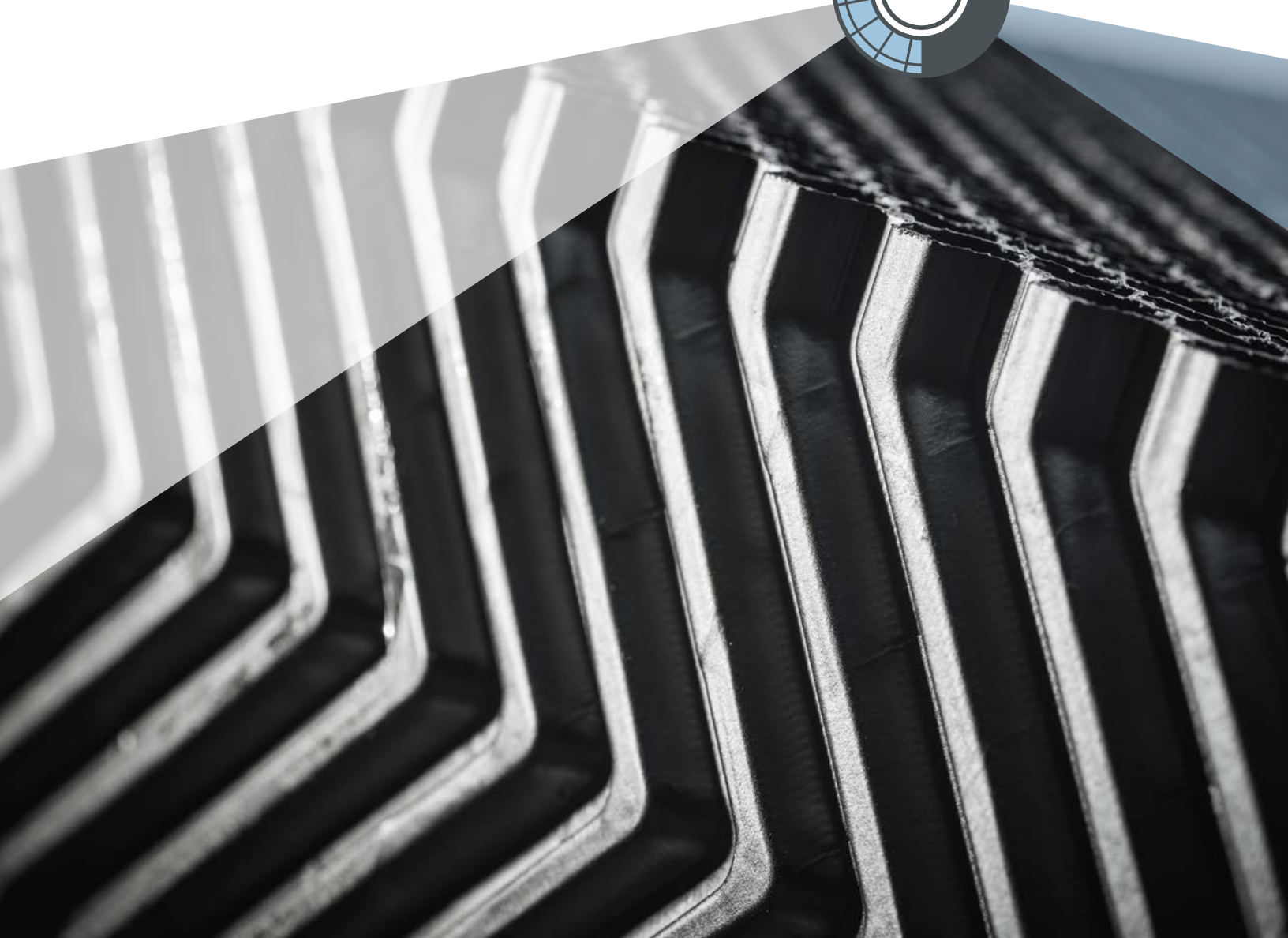
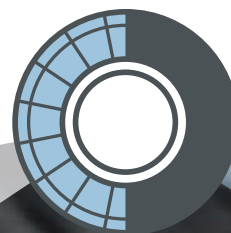


**MARKET LEADER FOR  
FUNCTIONAL SURFACES  
EFFICIENT SOLUTIONS FOR WATER  
AND AIR TREATMENT**

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:

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





# ENERGY. ENGINEERING. EXCELLENCE.

Since the takeover of the **Heat Exchangers segment** of the **GEA Group AG** by **Triton Partners**, the activities in the cooling tower business, water treatment, exhaust air cleaning and agricultural engineering were combined under the name of ENEXIO.

**ENEXIO** stands for **Energy. Engineering. Excellence.**

With our experience and pioneering spirit in engineering, manufacturing and service, we deliver state of the art solutions for power plants, water and wastewater

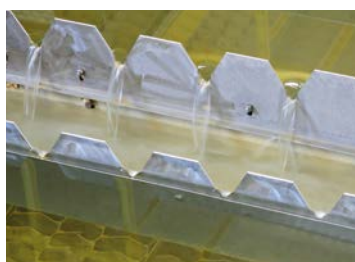
applications and exhaust air cleaning – always inspired by our profound sense of responsibility for the overall management of resources and a clean environment. We deliver excellence and achieve customer satisfaction everywhere in the world. Our global network of employees works with an unceasing commitment to high quality, ecology and cost effective products and services.

Our brands **BIODEK®**, **TUBEDEK®**, **PLASDEK®**, **MASSDEK®**, **SANIPACKING®** and **HUMIPACKING®** stand for our knowhow in different applications.

## ENEXIO Water Technologies Areas of Activity



Biological water treatment



Sedimentation processes



Mass transfer (air treatment)



Cooling tower installations



## **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 ENEXIO fills

- robust design
- easy installation
- low maintenance



NET 150



KZP 312



Exhaust air cleaning with 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 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 our blackout blinds is ideal.

# COOL, MOIST AIR FOR HEALTHY ANIMALS

## Cool air

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

The 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 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 AGRIdek system is easy to install.

Of course, our 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

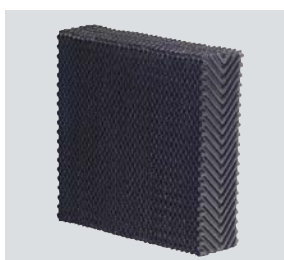
## Blackout

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

## Advantages of the ENEXIO TAP 160 profile

- very rugged
- low pressure drop
- easy to clean



HUMIPACKING®



TAP 160 blackout blinds



Chicken farm, Australia

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