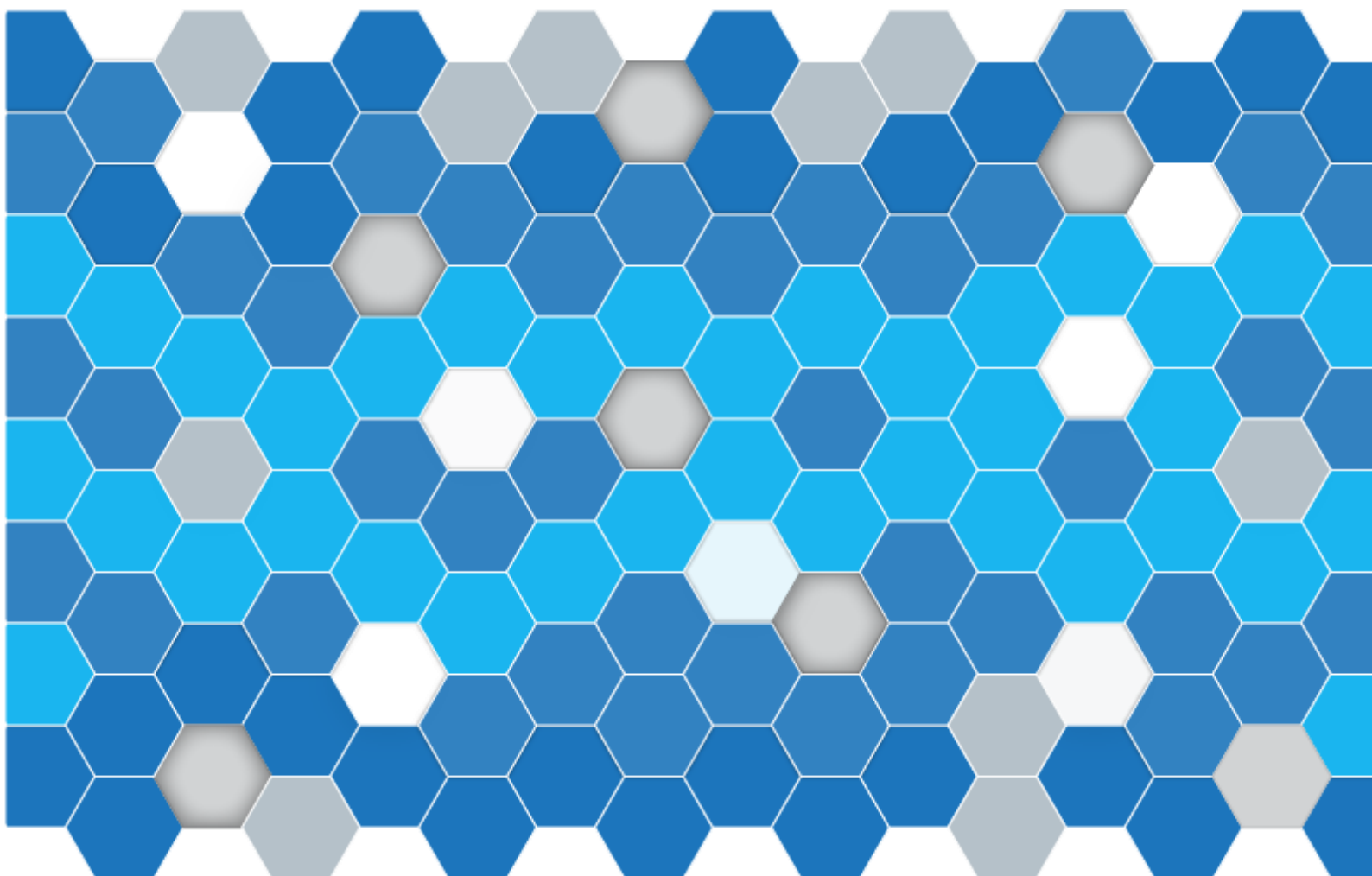
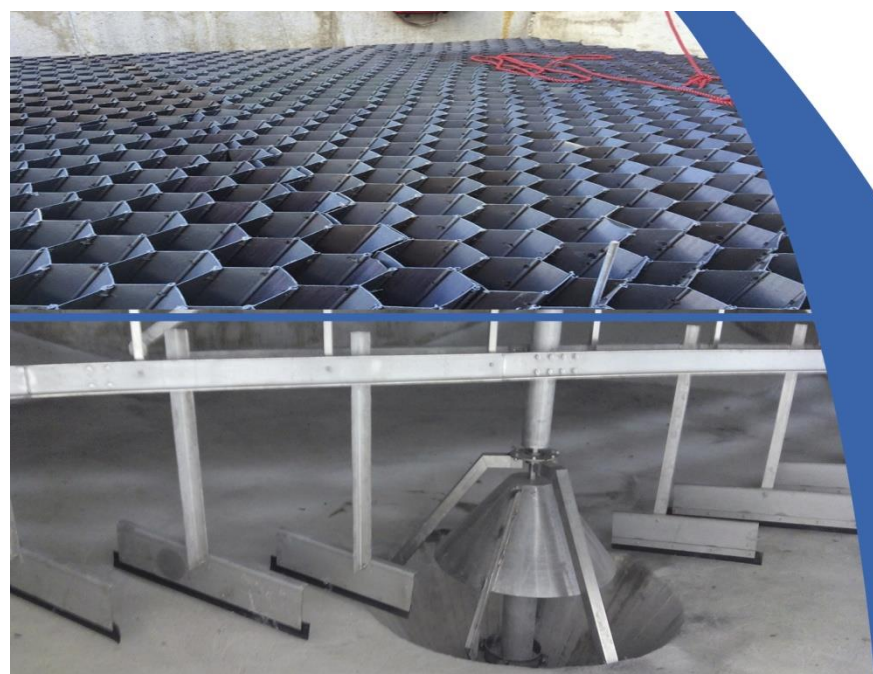



TecnoTec Lamellas

H80 H60 H40






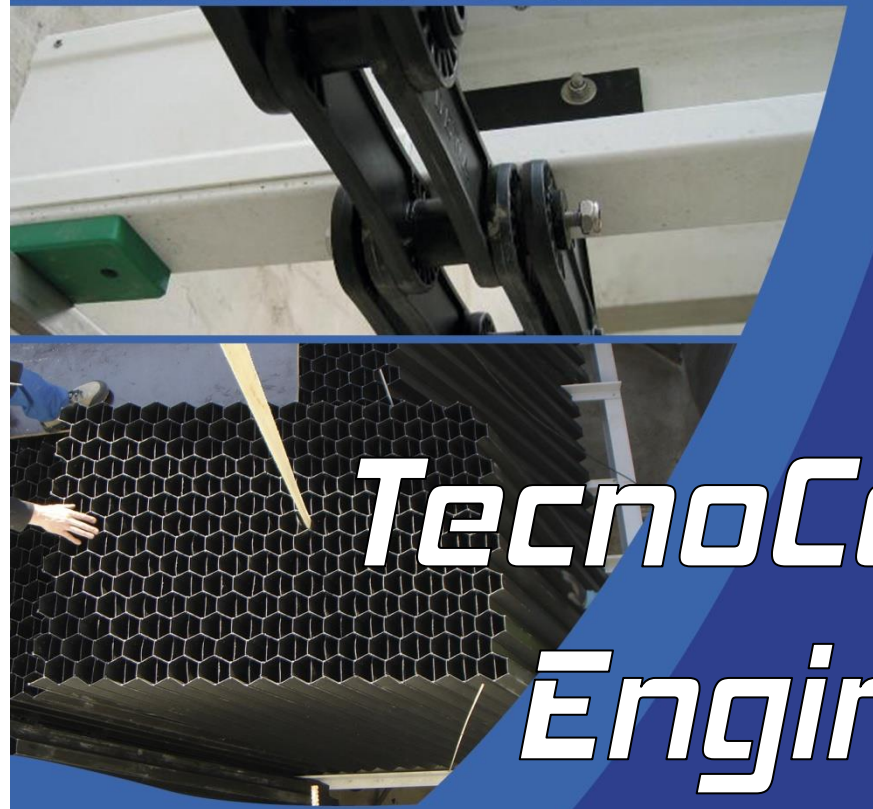
TecnoConverting Engineering started its business activity in 2005. The company was specialized in metal fabrication and installations for the water treatment sector, such as Waste Water Treatment Plants, Drinking Water Plants and desalination plants. **TecnoConverting Engineering** also has its own R+D department, which allows the continuous improvement and gives the ability to adapt all the solutions to each customer needs.



At 2010 the company released its new facilities in Ensija Street, in Sant Fruitós de Bages (Barcelona), increasing its production capacity with more than 2.400 square meters, of which 400 m² were devoted to offices and to the development of our products.



Nowadays, after more than 10 years of experience, **TecnoConverting Engineering** has successfully positioned as one of the best well known companies related to water treatment technology at an international level, having been involved in projects not only in Spain but Portugal, Germany, Poland, South America, Morocco and United Arab Emirates.



TecnoConverting Engineering

TecnoTec Lamellas

TecnoTec Lamellas from TecnoConverting Engineering are specially designed to bring the highest efficiency in settling, being one of the models that increase specific surface the most.

- Higher projected surface

Thanks to regular hexagonal shape design, TecnoTec lamellas have one of the highest projected surface between all other brands available in the market.

- Greater stiffness

Lamellas are made of PP or PVC profiles and assembled with ultrasonic welding. A higher number of welding points is done to hold the weight of the sludge accumulated inside lamellas. This guarantees the total stability and security of the installation.

- Different types of lamellas according to settling needs

TecnoConverting Engineering provide 3 different standard types of lamellas (H40, H60 y H80) depending on the distance between modules walls. Furthermore, in case special sizes are needed, TecnoConverting engineering and production departments are available to design the proper design to assure the best performance in settling process.

- Flexible design

Thanks to modular design and sophisticated assembly system, TecnoTec lamellas can be adapted to any kind of settler.

- Suitable for alimentary use

TecnoTec lamellas has the aptitude certificate for alimentary use, so that they can be used in Drinking Water Treatment Plants.

- Personalized design

TecnoConverting Engineering performs the specific study for each plant in order to get the best settling system.

- Support structure and anti-floating system

One of the indispensable requirements in each project is the accurate calculation for the under construction structure for lamellas to guarantee the total security of the installation, even in episodes of high accumulation of sludge in the lamellar.

- More than 10 years of experience in lamellar settling

TecnoConverting Engineering has more than 10 years of experience in lamellar settling. In recent years TecnoConverting Engineering has become one of the leading companies in the water sector.

- Verified results with CFD simulation

TecnoTec lamellas have been proved not only in many plants and installations, their design has also been verified with powerful programs based on Computational Fluids Dynamics simulation. These studies have served to optimize lamellar settling at plants and have reinforced the over 10 years of experience in the sector.

Specialists in lamellar settling

Technical specifications

TecnoTec H80

Lamella type	TecnoTec H-80	
Material	PVC	PP*
Geometry	Hexagonal	Hexagonal
Maximum operating temperature	55°C	80°C
Weight per m ³ of lamella	50kg	35kg
Inclination	60° - 55°	60° - 55°
Hydraulic diameter	82 mm	82 mm
Specific/projected area at 60°	8,20 m ² /m ³	8,20 m ² /m ³
Specific/projected area at 55°	9,23 m ² /m ³	9,23 m ² /m ³
Distance between walls	82 mm ± 1 mm	82 mm ± 1 mm
Standard module height	1.000 mm	1.000 mm

Lamellar modules for particle settling

Higher suspended solids separation

Larger specific area per m²

Reduced costs in civil works

TecnoTec assembly technology

Self supporting structure

Alimentary certificate

High mechanical resistance

Applications

DWTP clarification

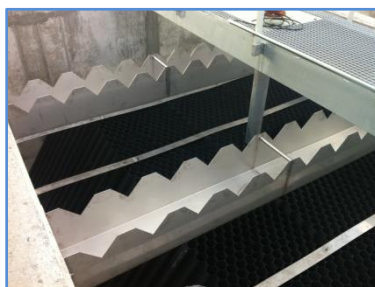
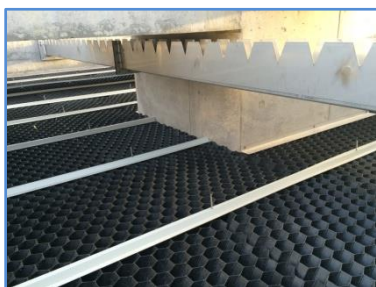
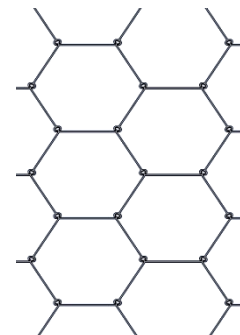
Primary settling

Secondary settling

Tertiary treatment

Storm tanks

Waste water treatment plants



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Specialists in lamellar settling

Technical specifications

TecnoTec H60

Lamella type	TecnoTec H-60	
Material	PVC	PP*
Geometry	Hexagonal	Hexagonal
Maximum operating temperature	55°C	80°C
Weight per m ³ of lamella	70kg	50kg
Inclination	60° - 55°	60° - 55°
Hydraulic diameter	60 mm	60 mm
Specific/projected area at 60°	12,25 m ² /m ³	12,25 m ² /m ³
Specific/projected area at 55°	13,27 m ² /m ³	13,27 m ² /m ³
Distance between walls	62 mm ± 1 mm	62 mm ± 1 mm
Standard module height	1.000 mm	1.000 mm

Lamellar modules for particle settling

Higher suspended solids separation

Larger specific area per m²

Reduced costs in civil works

TecnoTec assembly technology

Self supporting structure

Alimentary certificate

High mechanical resistance

Applications

DWTP clarification

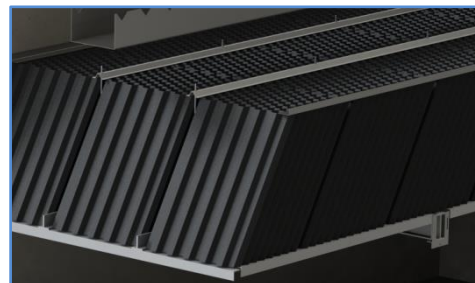
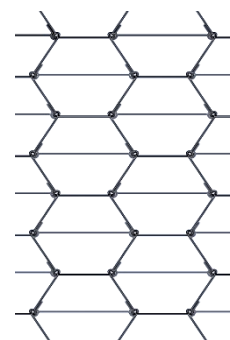
Primary settling

Secondary settling

Tertiary treatment

Storm tanks

Waste water treatment plants



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Specialists in lamellar settling

Technical specifications

TecnoTec H40

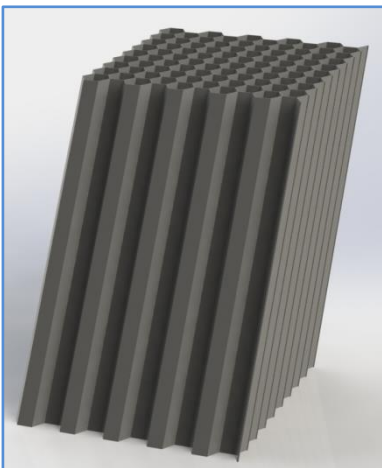
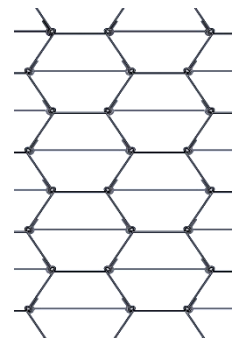
Lamella type			TecnoTec H-40	
Material Geometry Maximum operating temperature Weight per m ³ of lamella Inclination Hydraulic diameter Specific/projected area at 60° Specific/projected area at 55° Distance between walls Standard module height	PVC		PP*	
	Hexagonal		Hexagonal	
	55°C		80°C	
	90kg		65kg	
	60° - 55°		60° - 55°	
	40 mm		40 mm	
	16,29 m ² /m ³		16,29 m ² /m ³	
	18,17 m ² /m ³		18,17 m ² /m ³	
	42 mm ± 1 mm		42 mm ± 1 mm	
	1.000 mm		1.000 mm	

Lamellar modules for particle settling

Higher suspended solids separation
Larger specific area per m²
Reduced costs in civil works
TecnoTec assembly technology
Self supporting structure
Alimentary certificate
High mechanical resistance

Applications

DWTP clarification
Primary settling
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Tertiary treatment
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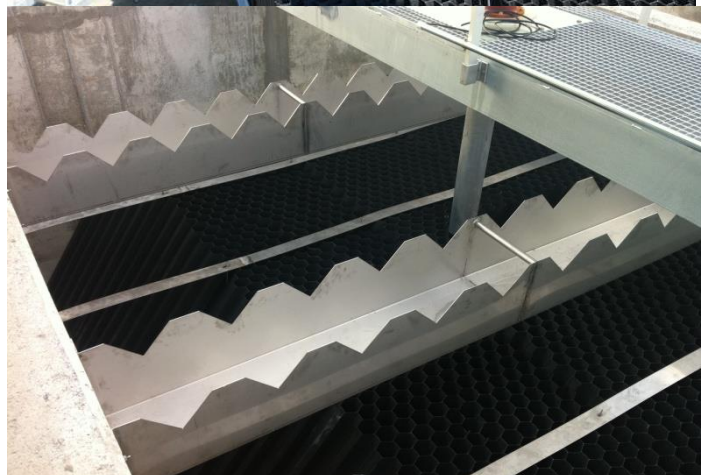


OTHER PRODUCTS:

- TECNO CLASSIC CIRCULAR SCRAPER
- RECTANGULAR SCRAPER
- MANOWAR, THE BRIDGELESS SCRAPER
- EFFLUENT TROUGHS
- SETTLING ENGINEERING

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