

Reduce your electricity bill by 50% to 75%



February 2025

AIR DEHUMIDIFICATION

It is essential in many industries such as agri-food, pharmaceuticals, etc.

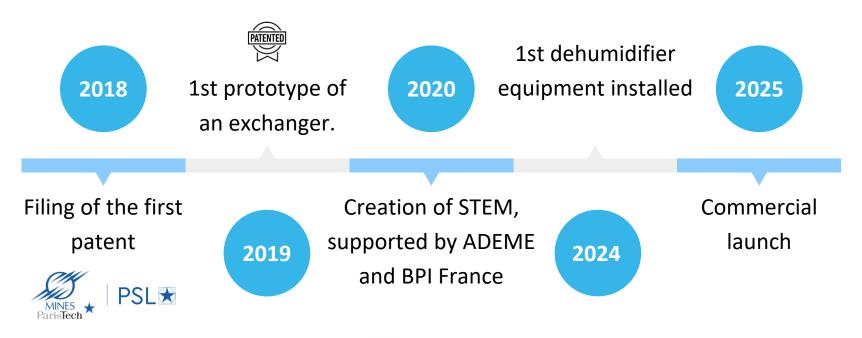
This operation is currently very energy-intensive.

In order to reduce consumption, the Mines de Paris PSL laboratory has patented a new membrane exchanger technology.

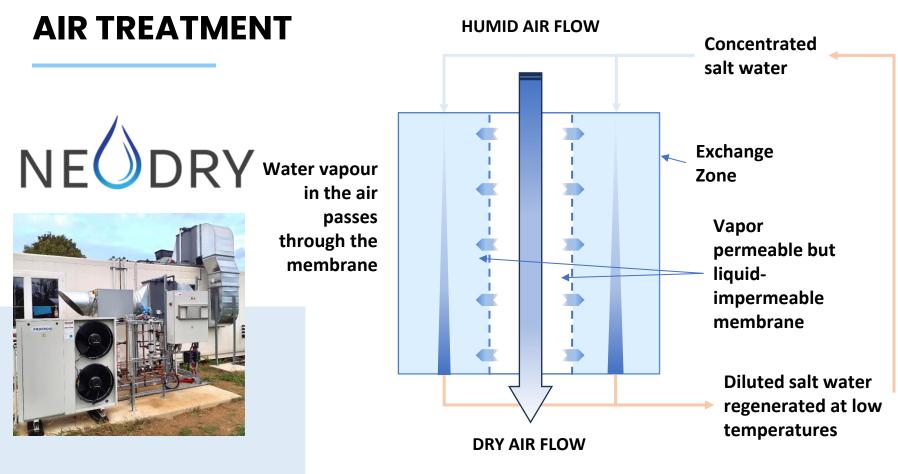
The equipment is now available.













VERY SIGNIFICANT SAVINGS

Poultry Cutting Plant

Control Targets:

- T° maintained at 2°C
- 70% relative humidity (3g/kg)
- Continuous operation
- Flow required: 15,000 m3/h

2 Yeast Manufacturing Plant

Control targets:

- Absolute humidity: 4g/kg
- Continuous operation
- Flow required: 15,000 m3/h

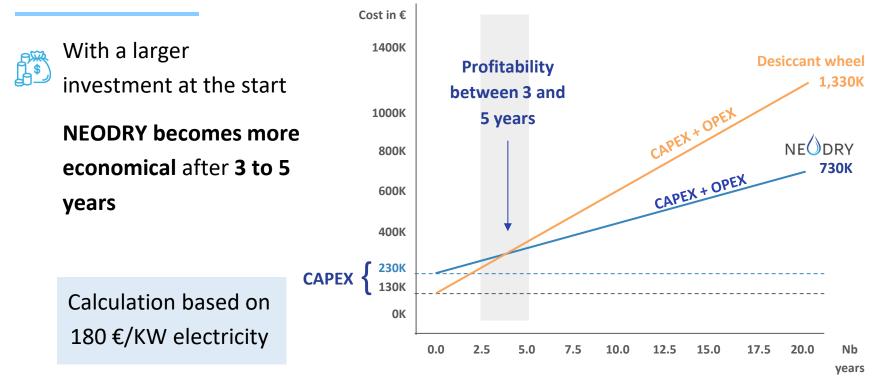
	DEICCANT WHEEL	NEODRY
ANNUAL CONSUMPTION	192 MWh*	48 MWh
ENERGY SAVINGS		75%

ANNUAL CONSUMPTION	556 MWh*	224 MWh
	DEICCANT WHEEL	NEODRY

THE BENEFITS

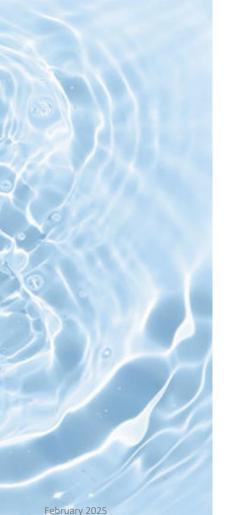
	ADSORPTION DESICANT WHEEL	NEODRY	
Perfomance	High efficiency at low	High efficiency at low temperatures (< 10°C)	
Performance	Very low absolute humidity at any temperature		
Operations		Simultaneous cooling possible	
Electricity consumption		50% to 75% lower	
Operations		Very quick return to control targets	
Operations		Simplified maintenance	
Installation	Humid air outlet required	Regeneration module can be placed outdoors	

AN INVESTMENT TO REDUCE THE CARBON FOOTPRINT









ROADMAP

Applications of the patent to other uses

AQUAHIVE

Pure water production with low energy consumption



Dehumidification equipment for swimming pools

CONCLUSION

The **best solution** to achieve low humidity levels and/or with an operating temperature <10°C **while significantly reducing your energy bill**



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