

Elixrr invests in Aeris air treatment technology

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BERGAMO - Elixrr Industries, part of the Tufropes Group, the global manufacturer of rope and netting solutions, has selected Alena NW of the Aeris Group to supply its latest air quality, ambient filtration and air treatment technologies for its new, patent-pending spunlace line.

This greenfield project, the first global industrial-scale line capable of producing five different nonwovens types, will be located in Gujarat, India.

It is estimated that the line will be commissioned in 2023 with its high flexibility giving Elixrr the capability to produce any possible hydroentangled nonwovens, including biodegradable, natural fibre, eco-friendly and high-performance products.

The project includes a solution to treat the complete line, from filtration to complete air balancing and humidification, with Aeris's latest patented Induction Humidification System (IHS) technology.

"We are proud to be Elixrrs' partners," said Luca Brambilla, Aeris CEO and Commercial Director. "And with great pleasure we will share it with Elixrr in their new nonwovens line to manufacture superior quality, eco-friendly nonwoven products for the mass market. A perfect solution for India."

The IHS system offers a number of advantages compared to the traditional humidification systems such as the elimination of possible proliferation of bacteria and mucilage, the removal of possible corrosion risks of the components and the elimination of any risk of condensation.

It also offers homogenous temperature and humidity values along the whole line and in the treated ambient area, a total recovery of all the endogenous heat produced in the room (motors, lighting, etc.); and also ensures that there are no obstacles in the room because you do not have diffusers at floor level, close by the operators and process line.

Further benefits include the possibility of introducing air at low temperature directly without condensation problems and without the creation of fastidious airflow at low temperatures. There is also a complete absence of wastewater - the air diffusion system has completely dry ducts - and fewer pipes in the production department.

Founded in 1992, Tufropes is regarded as a regional market leader in the manufacture of high quality rope and netting solutions which are used in a wide array of industries such as aquaculture, marine, safety, sports, shipping and defense.

"At Elixrr we always focus on continuous product development in cooperation with our global business partners," added Elixrr managing director, Madhav Goel. "Our highly skilled team is driven by innovation, quality and speed. With this approach we created a win-win situation with our business partners. The innovative solution proposed by Aeris, together with the company's flexibility, are completely in line with our philosophy of sustainability, and green economy; we are used to treat our environment with utmost respect and consider its protection our responsibility. We are delighted to have found the best partners in Aeris to take our first step into a new business field."

