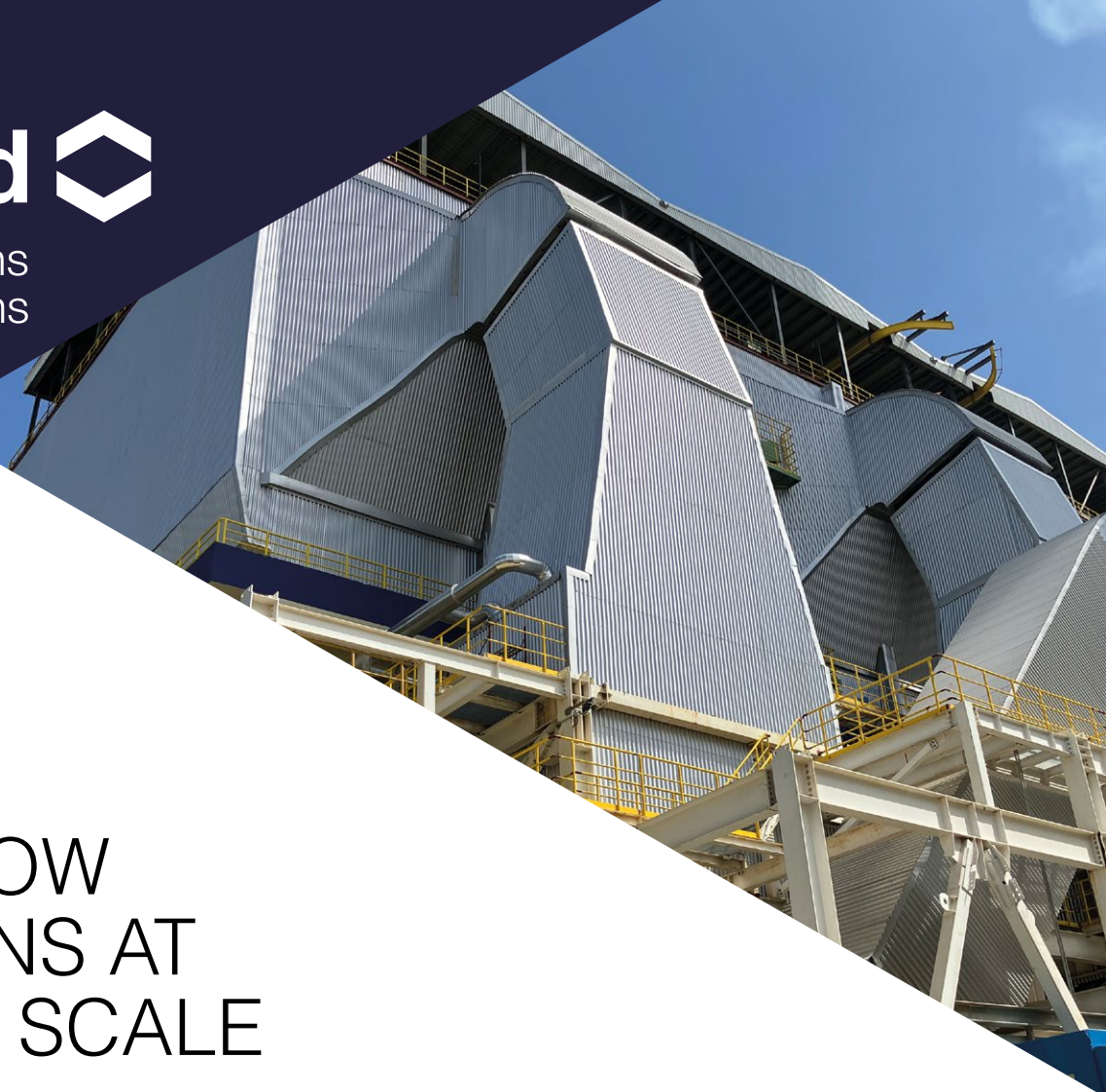




Lowest emissions  
Highest ambitions



CASE STUDY

# ULTRA-LOW EMISSIONS AT RECORD SCALE

## ESP performance for China's largest recovery boiler

**In 2021 when Liansheng Pulp and Paper decided to set up China's largest kraft pulp mill, the company chose a path defined by high standards, proven technology and long-term confidence.**

**On a project of this scale, emissions control is about more than meeting requirements. It is about choosing a solution that supports stable production, responsible operation and strong performance from day one.**

For this landmark installation, Liansheng selected a recovery boiler ESP from Airnord, a dedicated specialist with decades of experience in air pollution control and a strong track record in pulp and paper applications. That decision reflects a clear priority shared by many leading producers: when the application is critical, proven performance matters.

Today, the installation is demonstrating exactly that. In operation, the ESP achieves dust emissions below 2 mg/Nm<sup>3</sup>. For one of the world's largest and most demanding recovery boiler applications, this is a powerful result. It shows that a well-designed ESP can deliver the ultra-low emissions, stable operation and operating confidence that modern pulp and paper plants demand.



In China, customers increasingly want proof, not promise. They want to see technology that performs in real plants, under real operating conditions, and at the scale required by major industrial producers. Airnord's experience in recovery boiler dedusting is built on exactly this kind of operating track record. Across the pulp and paper industry, Airnord ESPs have helped customers achieve very low emissions with the reliability needed to support continuous production.

That is especially important in recovery boiler applications, where reliability and simplicity matter. Plant owners and operators need solutions that are robust, well understood and proven over time. At Liansheng, the result is not only ultra-low emissions, but also the kind of stable performance that gives operators confidence in day-to-day operation and reassurance for the future.

The project also highlights the value of sourcing the ESP directly from a dedicated specialist rather than including it in the boiler supplier's scope. By evaluating the dedusting solution on its own merits, Liansheng secured best-available ESP technology for this demanding application.

For the customer, that means proven performance, specialist support and a lower-risk route to long-term operating confidence.

For Liansheng, this project is a strong example of what modern large-scale pulp and paper production can look like: ambitious in scale, responsible in operation and proven in performance. And for other producers facing stricter expectations, it sends a clear message.

With the right specialist partner and the right ESP solution, ultra-low emissions are not a compromise. They are an achievable, proven result.



FIND OUT MORE ABOUT THE PRODUCT AT [WWW.AIRNORD.COM](http://WWW.AIRNORD.COM)



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