CARBON CAPTURE SOLUTIONS

START YOUR JOURNEY WITH OUR MOBILE TEST UNITS

ANDRITZ is committed to environmental responsibility and the development of a cleaner, more sustainable future for present and future generations. For more than 15 years, ANDRITZ has been active in the field of flue gas decarbonization in various industries such as cement, pulp & paper, waste to energy, iron and steel, as well as the maritime industry. We are dedicated to engineering and installing tailor-made carbon capture solutions that not only meet the highest quality standards but are also designed to meet the specific needs of each customer. Together with our customers, ANDRITZ is stepping up its activities to apply technologies that effectively reduce carbon dioxide (CO_2) emissions and thus mitigate climate change.

ANDRITZ

Compact but Powerful: ANDRITZ' Mobile Test Units

ABOUT THE TECHNOLOGY

Carbon capture and storage (CCS) is a critical technology in the global effort to reduce greenhouse gas emissions and mitigate climate change. But getting started with carbon capture can be complex and costly. Our mobile test units provide an ideal solution for gaining initial hands-on experience without the need for immediate investment in large, permanent systems. These compact yet powerful units allow flexible, location-independent testing of CO_2 capture processes under varying conditions.

They offer our customers the opportunity to experiment, minimize risks, reduce costs and gain valuable insights that can be used to optimize larger installations in the future.

TEST, OPTIMIZE, AND LEARN: MOBILE UNITS FOR HANDS-ON CARBON CAPTURE EXPERIENCE

We offer mobile test units based on both amine and membrane technologies, ideal for gaining practical experience in carbon capture. Our amine-based test plant is specifically designed to explore various operational scenarios. It allows testing with different amine blends and features adjustable absorber and desorber heights, making it easy to conduct extensive experiments. This flexibility helps you gain valuable insights for future large-scale carbon capture installations.

The membrane-based test unit includes two membrane stages, enabling you to test various membrane combinations. This helps identify the most energy-efficient solution for your specific flue gas while producing high-quality CO_2.

SERVICE, SUPPORT, TRAINING

ANDRITZ stands out as the premier partner for servicing and maintaining its own supplied equipment. Today, ANDRITZ is the supplier of choice for service, spare parts, upgrades and lifetime extension of your existing clean air technologies equipment. This also applies to carbon capture plants, for which we offer long-term service contracts to ensure ongoing support and maintenance to meet our customers' needs.

KEY FEATURES OF OUR MOBILE TEST UNITS:

- **Units are available for amine and membrane technology**
- **Lease or purchase options**
- **Easy to integrate: No thermal energy required for operation**
- **Fully automated and remote controlled**

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