

# Advancing Circular Economy in the Chlor-Alkali Industry: Pioneering Recycling of Used Membranes for a Sustainable Future

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## ABSTRACT

AMB Tech and its partnered South Korean companies have the world first industry scale recycling technology for Chlor-Alkali used membranes.

Recycling technology is based on high pressure and high temperature reacting process and it delivers more than 98~99% of recovery from what it has in the products. We aim to realize 100% recyclability from used Chlor-Alkali membranes. From Chlor-Alkali industry point of view, this technology enable all electrolysis parts to be recycled by 100% and it realizes 100% Circular Economy of Chlor-Alkali Industry.

We continue to develop this technology and to optimize industry scale production with scale up to deliver best in class products into the markets such as green hydrogen production market. At the same time, we are chasing to have accreditation (Certification) for 100% Recyclability from multiple institution globally such as TUV SUD.

We hope to hear wide and in-depth comments to improve our technology from all of you in the Technology forum 2025.

### Keywords:

Circular economy, recycling, membrane