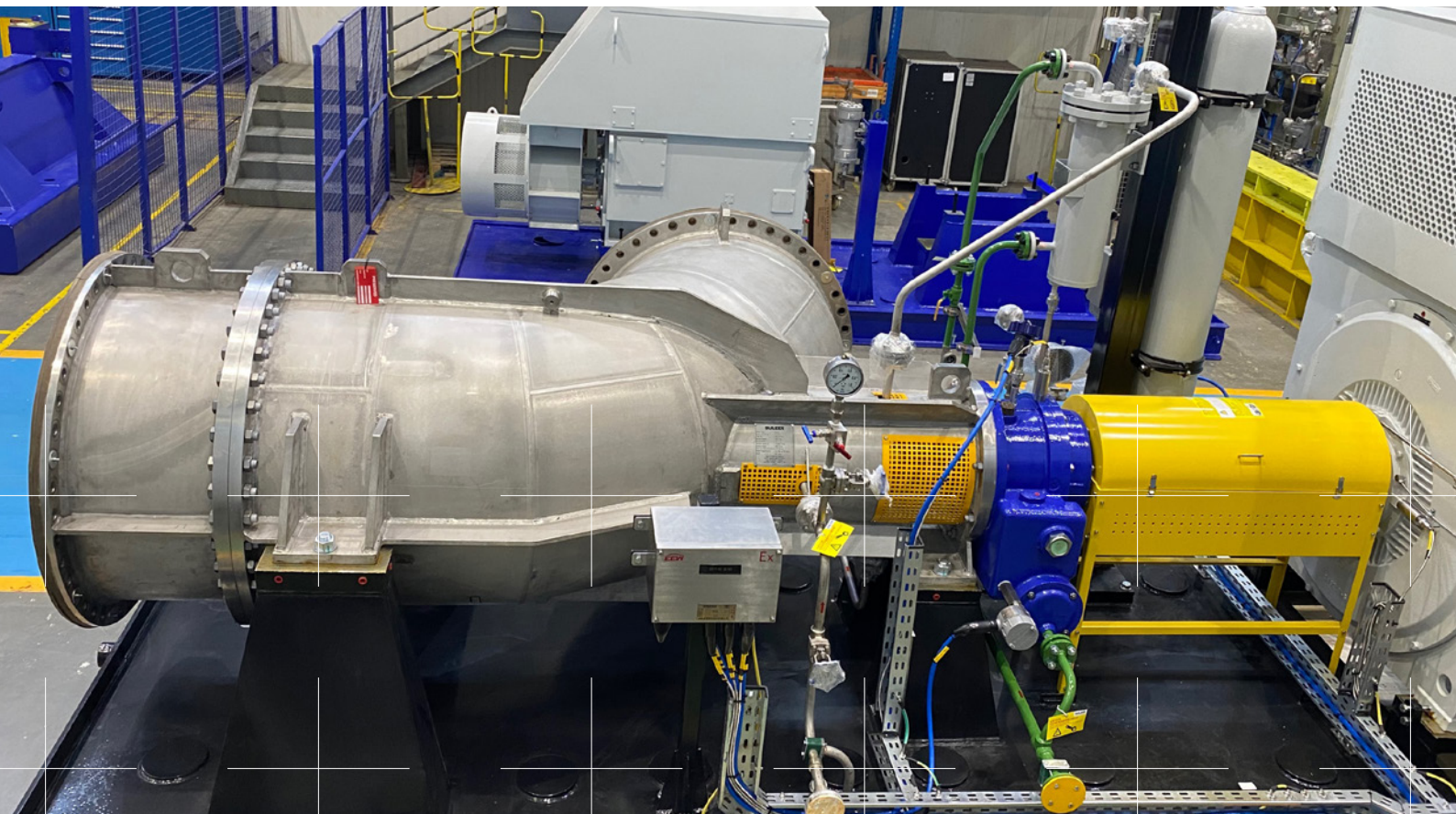


Sulzer pumps help Calysseo produce a more sustainable food resource

Sulzer is supplying loop reactor pumps to Calysseo's facility in Chongqing, China, to support the production of an innovative bio-protein for the Asian aquafeed industry. FeedKind® has the potential to reduce pressure on wild fisheries as well as decreasing the agricultural resources and water used to produce animal feed.



“We are excited to be part of such an innovative project that can truly help to reduce the carbon footprint of the Asian aquafeed industry. As Calysseo aims to expand its capacity even further with a larger plant, we look forward to collaborating with the company in the future with our state-of-the-art pump equipment.”

Rebecca Ruan, Key Account Sales Manager at Sulzer

A joint venture between Adisseo and Calysta, Calysseo is building the world's first commercial-scale manufacturing facility for FeedKind. The single-cell protein will be supplied to the Asian aquafeed sector, which represents more than 70% of the world's market.

The fermentation process used to obtain the feed solution, being built by Black & Veatch global engineering, procurement, construction (EPC) company, will rely on Sulzer's high-flow AH axial flow loop reactor pumps. These are specifically designed to address heavy-duty applications.

The pumps are being engineered to handle the unique challenges of the bioprocessing application. Sulzer is adjusting the pump design for clean-in-place (CIP) and to withstand corrosion and erosion, as the broth contains entrained gases as well as solids. In addition, to enable the facility to reach a processing capacity of 20'000 tonnes (approx. 22'000 tons) per annum, the pumps will be able to deliver a high flowrate with a 900 kW motor and a discharge diameter of 1.2 m (48 inches).



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