



Xylem and Transcend: Showcasing the power of generative design software to streamline the budgetary proposal process

Xylem's engineering and commercial teams found themselves time and resource constrained when responding to client requests for proposals, specifically for full scope ICEAS SBR designs. They invited Transcend in to the Xylem Innovation Labs program to determine if Transcend's generative design tool, the Transcend Design Generator, could help.

The challenge

Xylem's engineered treatment proposals required using multiple tools from different business units. The lack of a single tool for generating end to end wastewater treatment plant designs including BIM models and other engineering documentation significantly delayed responses to client requests for proposals.

- Commercial teams were heavily dependent on engineering resources from business units who have their own workflows and priorities - resulting in long response times to customers and variable output quality.

The solution

- The Xylem ANZ team worked with Transcend to incorporate ICEAS SBR designs as part of the Transcend Design Generator (TDG). Transcend was able to interface with Xylem's existing design tools to create a 'one stop shop' for budgetary proposals and preliminary design of full scope treatment systems.

Key wins: more detail, higher quality in 50% less time

1. 50% reduction in turnaround time for ICEAS tenders (from 3 weeks to 1-2 weeks) using TDG
2. More flexibility to influence the non-ICEAS parts of the TDG outputs
3. Streamlined the ICEAS design process and created path for improved portfolio sales



"Putting together proposals for complex wastewater treatment plants can be cumbersome and take a long time. Transcend's software, through automation of wastewater treatment designs, can significantly reduce the response times to Xylem's customers."

- Elma Kapa, Program Lead @ Xylem