

“Fraser Coast’s Sludge Upgrade: Smarter Solutions for Dewatering Challenges”

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This presentation discusses a recent Fraser Coast Regional council project that upgraded the sludge dewatering systems with screw presses at the Pulgul and Eli Sewerage Treatment Plants renewals and to improve capacity. This was an innovative and efficient alternative approach to replacing the traditional belt press. Additionally, due to site constraints another innovative approach was adopted, replacing the traditional conveyors with a cake pumps for sludge cake transport—a technology currently only utilized in select locations in Europe and was the first implementation of such technology in Southeast Queensland.

We will discuss the technical challenges, stakeholder collaboration, adoption of innovative solutions and the learning process leading to a successful upgrade in sludge dewatering infrastructure.