

High Density Storage Tank

Our guarantee

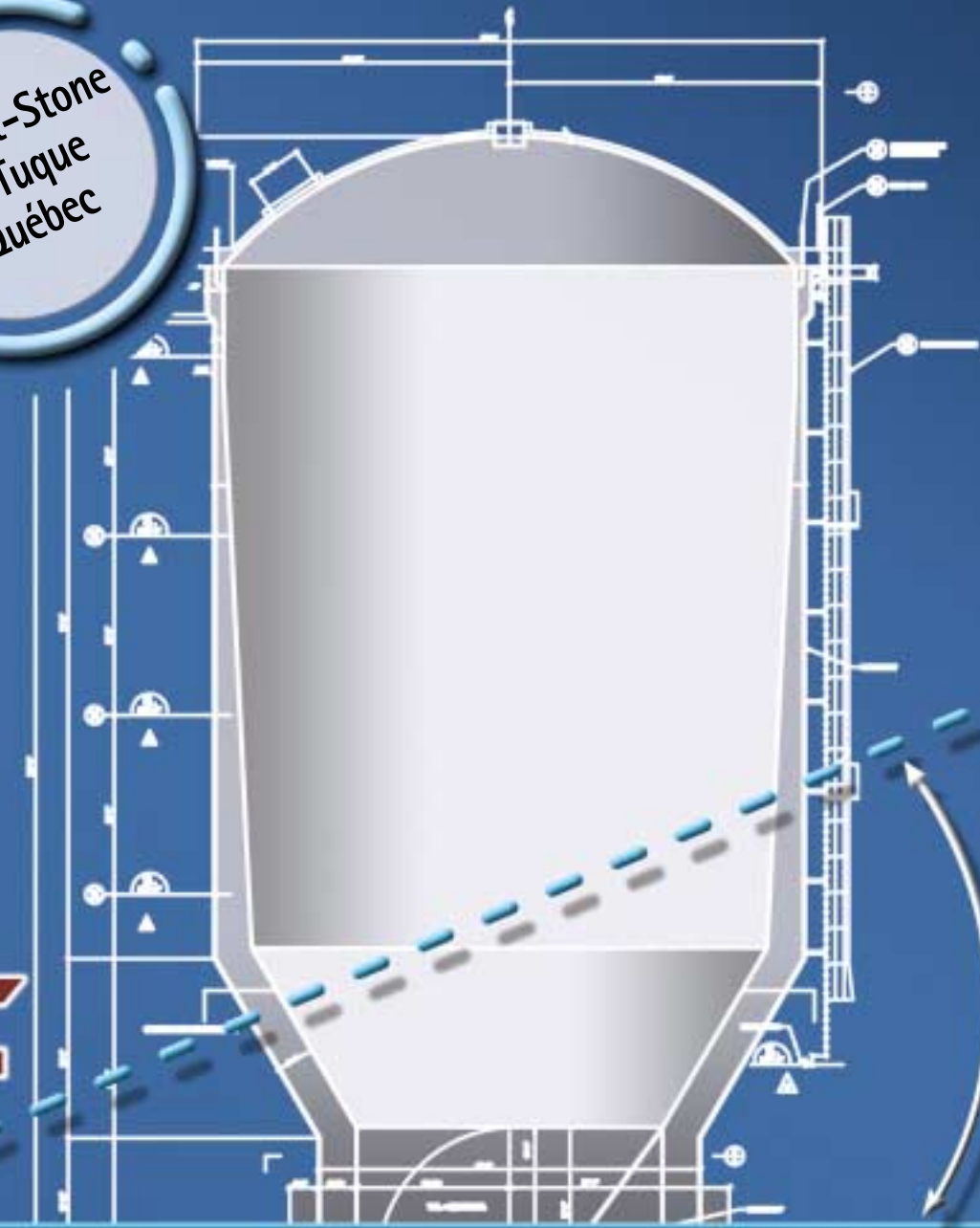
*TAC Inc.
endeavours to use the latest technology,
top-quality materials, and to comply
with the highest construction standards.
We value our clients comments augmenting
our ability to satisfy their requirements.*



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TAC inc.

Smurfit-Stone
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TAC

has successfully completed the design and construction of the largest High Density Storage Tank in Canada. Capable of holding 800 metric tons, it stores unbleached kraft pulp used to supply the No. 3 paper machine.

COMPLEXITIES OF THE PROJECT

After blasting, over 6,000 cubic meters of Laurentian granite were excavated to prepare the base for the reinforced concrete foundation.

High voltage transmission lines in the immediate vicinity presented an additional challenge.

TANK COMPONENTS

The walls of the vessel are a reinforced concrete sandwich, lined on the interior with structural ceramic tiles laid in acid resistant mortar, and clad on the exterior with light weight concrete insulating blocks. The roof slab is tile-lined

reinforced concrete. Two 150hp agitators designed to maintain a uniform pulp consistency are installed in the lower cylinder. The tank is 20.1 m in diameter by 37.8 m high.



CONSTRUCTION TECHNIQUES

The tank was built utilizing an innovative hydraulic scaffolding system adapted to this project by TAC. A unique feature of this scaffolding is that the platforms can be raised or lowered gradually to suit the requirements of the workers. This improves productivity and the quality of the work in a safer environment. The schedule was shortened significantly by reducing the time required when using conventional scaffolding systems.

ADVANTAGES TO THE CLIENT

Since the tonnage of pulp required by the paper machine can vary considerably during the day, this vessel allows additional flexibility and continuity in the production of liner-board.

Futhermore, this allows the client to stabilise the daily production of pulp to meet their requirements.

