

CASE STUDY

132 ft Diameter x 145 ft High Oilsands Tank

One of the largest standing-seam tank panel installations completed in Canada. Dome roof, bottom cone, cylindrical shell - full system in a single coordinated panel set.

Project

Project type	Industrial storage tank, oilsands service
Operator	Major Canadian oilsands operator (named version available on request)
Location	Northern Alberta
Service	Continuous, oilsands process media

Tank

Diameter	132 ft (40.2 m)
Height	145 ft (44.2 m)
Roof geometry	Dome
Bottom geometry	Cone
Shell	Cylindrical, field-erected

System Specified

Enerpro Tank Panel System - pre-fabricated double-lock standing-seam panels.

Insulation core	2" rigid mineral wool board, 8 lb/cu-ft, ASTM C612 Type IVB
Jacketing	0.024" aluminum, ASTM B209, alloy 3105-H14, stucco embossed finish
Moisture barrier	DuPont Surlyn, 3-mil three-layer polyethylene, heat-laminated to jacket interior
Seam	Mechanically folded double-lock standing seam. No fasteners through the weather face.
Hardware	Internal wire rope cables, stainless connector clips, 16-gauge stainless wire-ties, strand vise terminations

Application Across the Tank

Shell. Cylindrical panels, full 145 ft vertical lengths.

Roof. Dome geometry, custom-cut pie segments matched to the radius.

Bottom. Cone, custom-cut panels matched to the base geometry.

Installation

Internal wire rope cables tensioned 250-500 lbs, located by stick pins at 10-15 ft vertical spacing per project drawings.

Panels installed clockwise from a single starting line, one continuous length per panel.

Double-lock standing seams closed with a powered electric seamer. Hand seamers (#1 and #2) used in access-restricted areas.
Stainless steel clips installed on the male leg at each cable crossing, secured with 16-gauge stainless wire-ties.
Scaffold-free installation. No welding on the tank shell.

Outcome

One of the largest standing-seam tank panel installations completed in Canada. Continuous service since commissioning. Sealed envelope intact. No CUI-driven jacketing rework cycles to date.

WHAT THIS PROJECT DEMONSTRATES

The Enerpro Tank Panel System scales to the largest field-erected tanks operating in Canadian oilsands service. Geometry handled in a single coordinated panel set: cylindrical shell, dome roof, bottom cone. Fabricated in Edmonton; shipped without cross-border logistics, customs delay, or currency exposure.

Reference Note

Project details published with the operator's identity withheld at their request. Named version available on request from procurement or engineering teams evaluating the system. Contact office@maxfab.ca to request the named version with supporting documentation.

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