

Salt-Hosted Hydrogen Storage

Robinsons River Salt Project

Southwestern Newfoundland and Labrador

SALT | HYDROGEN STORAGE | COMPRESSED-AIR STORAGE



As Vortex Energy's Vice-President of Exploration and NI 43-101 Qualified Person, I oversee strategy, technical integration and public verification for Robinsons River. I review drilling, core, gravity, seismic and ANT results, define staged work and verify specialist reports for disclosure. Lonquist, CAUR Technologies and the University of Alberta completed specialist studies.

PROJECT CONTEXT

Robinsons River is a 23,500-hectare salt project about 35 kilometres south of Stephenville. Drilling confirmed a thick, heterogeneous halite-bearing interval in the western block, while seismic, gravity and ANT provide additional structural context. Commercial salt production, solution-mined caverns and hydrogen or compressed-air storage remain conceptual pending further evaluation.

MY ROLE AND CONTRIBUTION

- Oversaw staged integration of drilling, core, seismic, gravity and ANT datasets.
- Reviewed university-led mineralogical, petrological and geomechanical research.
- Added magnetic and passive-seismic information to the structural framework.
- Coordinated specialist contractors while retaining technical-review responsibility.
- Prioritized core composition, density, water and disposal studies before further drilling.
- Approved disclosure while documenting reliance on specialist interpretations.

TECHNICAL CAPABILITIES DEMONSTRATED

Salt Exploration Strategy

Drill-Data Integration

Core Characterization

Gravity and Seismic Review

Ambient Noise Tomography

Storage-Screening Strategy

Specialist Coordination

QA/QC and QP Oversight

HOW THE PROJECT ADVANCED

2024

Drilling

VTX-24-W-02 intersected about 278 metres gross salt.

2024-2025

Research

Core and geomechanical storage screening expanded.

2026

Integration

Drilling, seismic and gravity information reconciled.

2026

ANT Model

3D velocity model added property-scale context.

SELECTED PUBLIC RESULTS

~278 m

gross salt interval

not continuous pure halite

17.5 x 9.24 km

ANT model footprint

imaging to at least 2.5 km