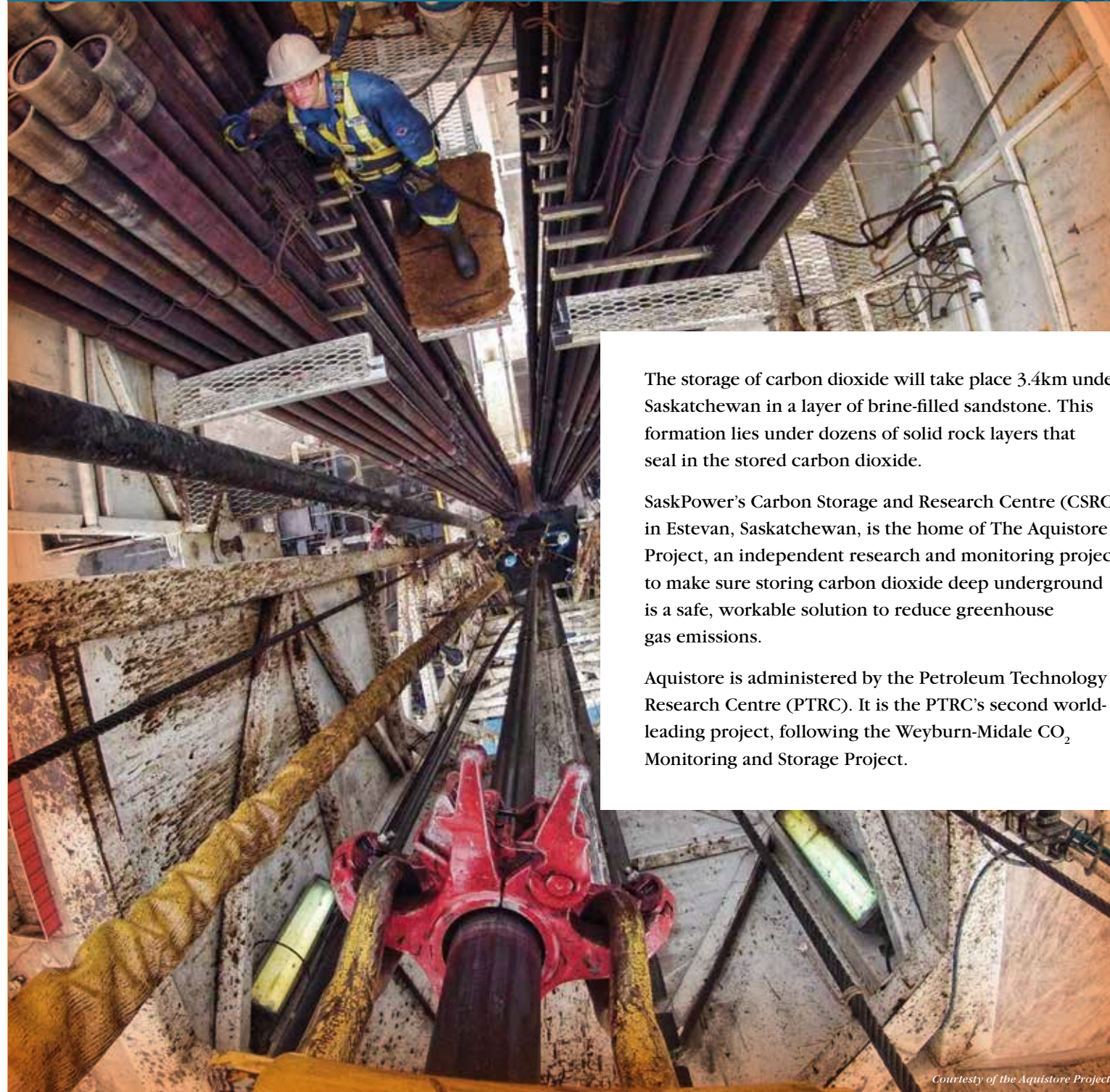


CARBON STORAGE AND RESEARCH CENTRE

SASKATCHEWAN'S DEEP UNDERGROUND CO₂ STORAGE PROJECT



The storage of carbon dioxide will take place 3.4km under Saskatchewan in a layer of brine-filled sandstone. This formation lies under dozens of solid rock layers that seal in the stored carbon dioxide.

SaskPower's Carbon Storage and Research Centre (CSRC) in Estevan, Saskatchewan, is the home of The Aquistore Project, an independent research and monitoring project to make sure storing carbon dioxide deep underground is a safe, workable solution to reduce greenhouse gas emissions.

Aquistore is administered by the Petroleum Technology Research Centre (PTRC). It is the PTRC's second world-leading project, following the Weyburn-Midale CO₂ Monitoring and Storage Project.

Courtesy of the Aquistore Project



COMMERCIAL FEASIBILITY AND THE FUTURE

Aquistore will be responsible for conducting a comprehensive measurement, monitoring and verification program throughout the life of the storage project. We hope to demonstrate both the scientific and economic feasibility of storing carbon dioxide in deep saline geological formations, and provide the know-how for other countries and companies thinking of doing the same.

INTEGRATED CARBON CAPTURE AND STORAGE

In 2013, SaskPower acquired the assets and land housing the Aquistore Carbon Storage and Monitoring Project. Soon the Aquistore site will move into Phase Two, together with SaskPower's Boundary Dam Carbon Capture and Storage Project.

Phase Two involves a larger integrated carbon capture and storage project centred on the Boundary Dam Power Station. SaskPower's integrated project will show the commercial feasibility of CO₂ storage with one of the world's first carbon capture projects on a coal-fired power plant. Captured CO₂ from Boundary Dam Power Station will be compressed and transported to the CSRC via pipeline.

PARTNERS IN AQUISTORE

The PTRC and SaskPower have brought together internationally recognized expertise and interest to the Aquistore Project:

- The Geological Survey of Canada
- University of Saskatchewan
- University of Alberta
- Schlumberger Carbon Services

Additional partners include Consumers' Co-operative Refineries Ltd, Enbridge Inc., Korean National Oil Corporation, Saskatchewan Ministry of Environment (Go Green Fund), Sustainable Development Technology Canada, and Natural Resources Canada.

MEDIA ENQUIRIES: For more information, visit the Carbon Capture and Storage section of SaskPower.com

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