

Join Us for an Exclusive Tour!

Are you interested in the cutting-edge technology behind sustainable helium recovery?

Don't miss the chance to witness Quantum Technology's Helium Recovery, Purification, and Liquefaction System in action at McGill University. This exclusive tour offers an inside look at how our system is revolutionizing helium conservation in research environments.

Why Helium Recovery Matters

Helium is a precious, nonrenewable resource that escapes easily into the atmosphere and space. Extracted mainly as a byproduct of natural gas, it requires long-distance transport, contributing to greenhouse gas emissions. Our on-site helium recovery system helps mitigate these impacts by recycling helium, conserving this vital resource, and supporting scientific research with a reliable supply of high-purity helium.



About the System

Our Helium Recovery System at McGill University is designed to meet the needs of research facilities efficiently:

Helium Usage: Essential for NMR magnets and EPR spectrometers, helium boils off during normal use and refills.

Recovery Process: Captures helium through copper pipes to a compressor, then either liquefies it or stores it in cylinders.

Liquefaction and Purification: Processes up to 20 liters/day, purifying and condensing helium back to liquid.

Efficient Storage: Recovers about 90% of helium, reducing the need for new supplies and minimizing waste.

Sustainability Impact: Reduces environmental footprint and operational costs by recycling helium on-site.

Event Details

Date: Sunday, October 20th

**Time: 30 minutes after
the end of the session**

Location:

**McGill University Chemistry
Department**

**RSVP: [quantum@quantum-
technology.com](mailto:quantum@quantum-technology.com)**