

Cutting Edge Technology in Asset Retirement

Simone Levy, InnoTech Alberta
Dean MacKenzie, Vertex Resource Group

The video seminar entitled 'Cutting Edge Technology in Asset Retirement' provides an overview of leading digital and emerging technologies being used in asset retirement and environmental management. Through vignettes and interviews, presenters will demonstrate how the use of these technologies is drastically reducing costs; supporting more sustainable practices; accelerating timelines; and, resulting in economic diversification in the western provinces and beyond. Featured presenters include:

Kirk Elliot – Trace Associates

Wes Funk – DXD Consulting/Azurite Insights

Michelle Taylor – Waterline Resources/Azurite Insights

Vincent Lam - Matidor

Ryan Tulloch - ProDelta

Paul Fuellbrandt – Statvis/Precision Liability

Amit Bhargava - EnviroApps

Todd Han – Matrix Solutions

Wade McLean - Strongfield

Trent Marx - RES

Jil Macdonald – AltaML

Following the video, we invite you to join select presenters for a Q&A session on technology development and cutting-edge approaches to address industry challenges, opportunities for entrepreneurship, and leadership in both asset retirement and the digital transition. The seminar was produced by InnoTech Alberta and Acden Vertex. Development was supported by Prairies Economic Development Canada.

Simone Levy

As a senior researcher with InnoTech Alberta, Ms. Levy identifies and develops innovative approaches for the assessment, monitoring, remediation and reclamation of land and water affected by industrial activities. Using the unique research and demonstration (R&D) facilities available through InnoTech Alberta, she oversees bench-, meso and field-scale projects to evaluate environmental management strategies and technologies. She also develops and coordinates multi-stakeholder teams to strategically address environmental management challenges and opportunities. Development of two recent video seminars has been an opportunity to expand into alternative methods of communication while exploring innovative approaches to meet industry needs.

Dean MacKenzie

Dr. Dean MacKenzie has been developing best practices, building training programs and practicing in the remediation and reclamation profession for over 20 years. He is the Vice President of the environmental division at Vertex Resource Group Ltd. Dr. MacKenzie also leads the environmental operation at Acden Vertex, a partnership with Acden an Athabasca Chipewyan First Nation owned company. He oversees a large, diverse team with expertise in biophysical assessment, construction monitoring, reclamation and remediation, providing consulting services for a wide range of industries including: oil sands mining, coal mining, in-situ oil sands, peat harvesting, wind and solar farms, sand and gravel, pipelines and conventional oil and gas. Dr. MacKenzie continues to be active in research and development with a focus on revegetation and reclamation of highly disturbed landscapes. He has authored several peer reviewed journals and best management practice documents related to land reclamation for government and industry within Alberta.