

## **CALL FOR APPLICATIONS: Cutting Edge Technologies for Optimizing Oil and Gas Asset Retirement**

**Showcase your organization's best practices or technologies for efficient retirement of oil and gas assets!**

Successful applicants will be given a segment in an hour-long video seminar to showcase how their organization, product, approach, technology, or digital application results in improved outcomes in the environmental management of legacy oil and gas assets. **Participation is free!** For more information, instructions on how to apply and evaluation metrics, please see below.

### **BACKGROUND**

While estimates vary, the number of oil and gas wellsites and associated facilities in the western Canadian provinces that require reclamation is between 150,000 and 200,000. The importance of decommissioning and regulatory closure of these sites has recently been highlighted by industry and both federal and provincial governments. Drivers to complete this work include reduction of financial liability, ecological restoration and return of land to productive use (or reuse).

Enabling *operational efficiencies* in asset retirement has been identified as a key area of opportunity for the energy, environmental and clean technology industries. Implementing best practices that also contribute to greater sustainability in the work conducted, and leveraging leading edge technologies, have been shown to drive these operational efficiencies, and an online seminar is being developed to showcase leading edge approaches and technologies. Seminar development is being led by InnoTech Alberta in collaboration with Acden Vertex and other key industry stakeholders. Development is being funded with Federal financial support and is therefore free for both contributors and participants.

### **SEMINAR DESCRIPTION**

The online seminar of approximately 60 minutes will focus on environmental management of legacy oil and gas wellsites and associated facilities (i.e., post-well abandonment). The seminar will be technical in nature, targeted to:

- service providers in the environmental and energy industries;
- industry and government representatives;
- students; and
- technology developers.

The **objectives** of the seminar are to:

- Share successful strategies and best practices for reducing costs and speeding timelines, thus accelerating the retirement and reclamation of legacy assets.
- Outline approaches used to enhance the efficiency and sustainability of field activities.
- Showcase western Canadian businesses providing niche or leading-edge services.
- Showcase efforts on the part of western Canadian businesses to develop, commercialize and adopt clean tech for addressing a high priority challenge for the energy industry.

The seminar will include a mix of background information, interviews and video demonstrations of technologies or applications. It will be professionally produced and will be promoted through various channels; thus, there is potential for distribution to jurisdictions beyond western Canada, many of whom are grappling with similar asset retirement challenges. The seminar will be available through applicable industry organization websites.

### APPLICATION FORM AND INSTRUCTIONS

Please submit this form by email to [simone.levy@innotechalberta.ca](mailto:simone.levy@innotechalberta.ca) no later than close of business on **February 5<sup>th</sup>, 2021**. Questions may be directed to the same email address.

Applicants will be informed of the acceptance of their application by February 10, 2021. To meet project deadlines, any filming or interviews conducted specifically for the seminar will need to be completed by February 26<sup>th</sup>, 2021. This timeline should be a consideration for potential applicants.

1) Indicate **one** focus area that you would like to have included in the seminar:

- General approach and/or enhancing communication or activity tracking
- Digital mapping, apps and other digital technologies
- Field assessment tools and techniques
- Unmanned aerial vehicles
- Remote sensing
- GPS-enabled equipment and/or devices
- Field screening (i.e., chemical and physical characterization) tools
- Remediation technologies – selection and implementation
- Optimizing reclamation success (e.g., Tracking/monitoring apps, weed management techniques or technologies)
- Streamlining data management and reporting
- Other

2) Describe your novel approach or technology and indicate how it has resulted in cost savings, accelerated timelines to reach milestones or closure, enhanced environmental sustainability, and/or development of clean technology in oil and gas asset retirement. (max. 200 words; include website if applicable)

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3) Has a regulator reviewed your best practice or technology and/or does it support and follow regulatory guidance?

- Yes
- No

More information:

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- 4) Describe the level of commercial readiness of your approach or technology:
- Development stage
  - Commercial - Internal use only
  - Commercial - External use and marketing
- 5) Do you have or could you supply video footage of your technology for inclusion in a digital seminar?
- Yes
  - No
- 6) If you don't have existing video, would you be willing to have a demonstration recorded and edited by the producer?
- Yes
  - No
- 7) Would someone from your organization be willing to be interviewed with potential inclusion in the seminar?
- Yes
  - No
- 8) Are you willing to share information on potential next steps for your technology or business?
- Yes
  - No, this is confidential information

## EVALUATION METRICS

Applications will be reviewed by a panel of 6 reviewers consisting of professionals from industry organizations and seminar developers. Evaluation will be conducted as follows:

- 1) Potential impact of best practice or technology to optimization of oil and gas asset retirement operational efficiency – 50%
- 2) Potential for best practice or technology to be adopted widely for greater impact – 25%
- 3) Ability and willingness to provide information for the online seminar – 25%

If selected, a follow-up discussion will be coordinated to plan for gathering footage and conducting interviews, where applicable. Each provider will be given a 2- to 3-minute segment in the seminar. Interviews and footage may extend beyond that time but will be edited to fit within the allotted time.

All applicants with valid applications will be listed as resources in supplemental information, regardless of whether they are featured in the seminar.