

# WISE

WATERLOO INSTITUTE  
FOR SUSTAINABLE ENERGY



## LECTURE SERIES

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BUILDINGS | CARBON CAPTURE AND STORAGE | FUEL CELLS | NUCLEAR | POLICY | PLANNING  
RENEWABLES | SMART GRID | STORAGE | SUSTAINABLE MOBILITY | SUSTAINABILITY ANALYSES

PRESENTED BY THE WATERLOO INSTITUTE  
FOR SUSTAINABLE ENERGY

Friday July 22, 2016

10:30 – 11:30 am

CPH 4333

## HELICAL PILING APPLICATIONS IN CANADA

Jeff Lloyd, President, Almita Piling

Significant advances in pile design and engineering have allowed Almita's turnkey foundation solution to be utilized on an array of alternative energy projects. Jeff Lloyd, President of Almita Piling, will speak to the reasons behind the explosive growth in the use of screw piles across Canada, and the many benefits they offer as a piling solution.

Almita has led the industry in the research and development of screw piles and has pioneered their use through a growing number of applications. Initially supported by the needs of projects in the Alberta Oilsands, Almita has expanded its capability to provide solutions across the energy and renewable energy industries.

This presentation will cover:

- a. Helical pile overview
- b. Brief description of Almita
- c. Environmental & economic advantages of helical piles
- d. Helical pile applications
  - Oil & gas
  - Power transmission & distribution
  - Solar
  - Wind
  - Commercial
- e. Design considerations

### Biography



Jeff Lloyd is the President of Almita Piling. He actively works toward building the Almita team while overseeing the execution of the company's strategic plans, making Almita an industry leader in the design, fabrication and installation of screw piles.

Almita is the industry leader in the helical pile industry in Canada. Almita supports an extensive research and development program with several universities and industry associations, and has the largest in-house engineering team of any helical pile company in Canada. Almita can design, fabricate and install helical piles from the very small, to the largest piles installed anywhere in the world..

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