

# WIND TURBINE FOUNDATIONS

## HELICAL PILES

### PROJECT DESCRIPTION:

**Project Name:**  
Wind Turbine Foundations

**Location:**  
Prince Edward Island, Canada

**Project Type:**  
Helical Piles - MH530BNG

**Company:**  
BerMc Controls

**Pile Design:**  
Magnum - Geo Solutions

**Description:**  
BerMc Controls hired Magnum Geo Solutions to design a concrete-less foundation system to support their 10 Kw and 30 Kw Wind Turbines. The BerMc Controls installation crew uses a 40,000 ft lb Pro Dig torque motor to screw in (4) MH530 piles to min 8 feet depths. This allows the installation team to eliminate all concrete foundation and have the base of a turbine erected in 3 days. BerMc now uses helical piles on all their wind turbine projects.



**MAGNUM**  
HELICAL PILES

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