



## Techno Metal Post Dealer Installs (412) Helical Screw Piles for a 3300 Ft. (1km) Boardwalk in Ecomaritime Park in L'Anse du Port

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<b>Project Name &amp; Location:</b>	Ecomaritime Park Boardwalk - L'Anse du Port
<b>Project Date:</b>	Winter 2018
<b>Project Type:</b>	Deep Foundation Support for Boardwalk
<b>Helical Pile Installation Contractor:</b>	Bois-Francis - Quebec Est - <a href="#">website</a>
<b>General Contractor:</b>	Lambert et Grenier - <a href="#">website</a>
<b>Engineering Firm:</b>	Rouleau - Desaulniers - <a href="#">website</a>
<b>Helical Piles Specifications:</b>	(412) Model P4HD, 4.0" (101.6mm) Diameter Round Shaft Piles with 12" and 24" Helix Bearing Plates; Galvanized
<b>Soils &amp; Installation Depths:</b>	Sand and Clay; Average Installation Depth 9 ft.
<b>Installation Timeline:</b>	(8) Days
<b>Helical Pile Manufacturer:</b>	Techno Metal Post - Thetford Mines, QC Canada



This elevated wooden boardwalk – 3300 feet (1km) long, with a 39' (12 m) high observatory at the end – was completely reconstructed.



**Project objectives:**

- To replace an existing boardwalk (on timber piles), 2300 linear feet in length
- It crosses a sugar bush of silver maples and a marshland, which is home to a wide variety of fauna.

**Specific challenges:**

- Working in winter conditions
- Tide (level of water)

**Advantages:**

- Access with the installation equipment
- Speed
- Low environmental impact
- No excavation

**Materials used:**

- P4 pile model 4.00" O.D. (412 units) with 12" and 24" helix bearing plates in galvanized steel
- Cross bracing by others

