



## Energy Industry Projects: Alberta, Canada

<u>Structure Type:</u> Reinforced platforms to provide storage and construction sites.	
<u>Project Locations:</u> Various locations in Alberta, Canada associated with oil and gas extraction	<u>Products Used</u> E'GRID Biaxial Geogrids
<u>Project Dates:</u> Various from 2006-2010	



There has been rapid development of the oil and gas extraction industry in Alberta in recent years. Access for this is often difficult on terrain that is typically soft clay overlain with muskeg (peat). In order to build the working platforms needed for storage of heavy pipework, equipment and vehicles and to provide access roads geogrids are extensively used for base reinforcement. Often laid direct on the muskeg these geogrids provide base reinforcement and separation of the fill from the underlying ground. Even with silty clay fill their confinement of the fill helps to ensure good compaction from the base up.

A range of such projects is summarised in the following list:

**Energy Industry Projects:****1: Opus Transport Mod. Yard. : Edmonton**

Contractor: Twin City Excavating.  
Quantity: 58,000m<sup>2</sup> (640,000ft<sup>2</sup>) of E-Grid 3030.  
Date: September 2006.

**2: Mamoet Crane Mod. Yard. : Edmonton**

Contractor: Waiward Excavating.  
Quantity: 146,000m<sup>2</sup> (1,610,000ft<sup>2</sup>) of E-Grid 2020.  
Date: October 2006 – November 2007

**3: Flint Energy Mod. Yard. : Fort St John**

Contractor: WL Construction.  
Quantity: 88,000m<sup>2</sup> (970,000ft<sup>2</sup>) of E-Grid 2020.  
Date: June 2007

**4: Husky Energy Oilsands Project. : N. of Fort McMurray, AB.**

Contractor: Ledcor CMI.  
Quantity: 254,000m<sup>2</sup> (2,790,000ft<sup>2</sup>) of E-Grid 2020.  
Date: October 2007 – April 2008.

**5: Shell Albian Sands Jackpine Site : N. of Fort McMurray**

Contractor: Clayton Construction  
Quantity: 91,260 m<sup>2</sup> (1,002,423ft<sup>2</sup>) EGRID 2020 and  
12,870 m<sup>2</sup> (141,370ft<sup>2</sup>) EGRID 3030  
Date: Feb 08

**6: CBI Horton Yard Expansion : Fort Saskatchewan**

Contractor: Horton CBI Limited  
Quantity: 236,000 m<sup>2</sup> (929,134ft<sup>2</sup>) EGRID 3030  
Date: Summer 08

**7: Kearl Lake – Laydown Pad : N of Fort McMurray**

Contractor: Kiewit Construction  
Quantity: 77,220 m<sup>2</sup> (848,204ft<sup>2</sup>) EGRID 2014  
Date: Jan 2010

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