



# MAGNUM<sup>®</sup> MASTER INSTALLER PROGRAM

August 29th - 31st, 2011 • Cincinnati, Ohio



Field Training



Classroom Training



Plant Tour



Structure Loads

Foundation Take-Offs

Installation Equipment

Monitoring Torque

Helical Pile Sizing



MAGNUM PIERING, INC.  
6082 SCHUMACHER PARK DR  
WEST CHESTER, OH 45069  
800-822-7437





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## Day 1 - Monday, August 29th

Participants arrive in Cincinnati/Dayton  
5:00 - 8:00pm - Dinner Reception at Magnum

## Day 2 - Tuesday, August 30th

6:00 - 7:00am - Continental Breakfast at Hotel  
7:15am Meet in Hotel Lobby for Shuttle to Magnum Piering

7:30 - 7:45am - Opening Meeting - BJ Dwyer  
• Review the agenda for the 2 day certification training  
• Introduce Speakers and Key Magnum Employee's

7:45 - 9:00am - Howard Perko, Ph.D., P.E.  
• Geotechnical Report Interpretation  
• Helical Pile design / sizing charts  
• Product Catalog & Design Submittals

9:15 - 10:30am - James Cherry, P.E.  
• Foundation Take-Offs  
• Estimating Loads  
• Pile Spacing

10:45 - 11:45am - BJ Dwyer  
• How to run successful/productive project  
• Planning proper equipment / personnel  
• How to layout project from start to finish  
• Installation issues and how to overcome them

12:00 - 12:45pm - Lunch At Magnum  
• Equipment and Product Demonstrations

1:00 - 2:15pm - Todd Paddock / John Gaster  
• Plant Tour- Manufacturing and Quality Control  
• Demonstration of Production and Equipment

## Seminar Highlights

Field Training  
Classroom Training  
Plant Tour  
Pile Sizing  
Review Project Plans  
Hands On Training  
Monitoring Torque  
Pier Installation



### FEATURED SPEAKER:

#### Howard Perko, Ph.D., P.E.

Author of "Helical Piles: A Practical Guide to Design and Installation". Internationally recognized authority on helical pile applications for support of energy structures, new construction, tiebacks, underpinning & related piercing applications.

### Additional Magnum Speakers:

James Cherry, BJ Dwyer,  
Todd Paddock, Michael Charlton  
John Gaster, Moncef Souissi

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## Day 2 - Tuesday, August 30th (cont.)

2:30 - 3:30pm - Moncef Souissi of CTL Thompson  
• Equipment Calibration  
• ICCES Evaluation Report / Test Results

3:45 - 5:00pm - Michael Charlton of Pro-Dig  
• Torque Motor Specifications & Maintenance  
• Torque Monitoring Systems  
• Attachments and Equipment

5:00 - 5:30pm Q/A Session  
• Open floor for questions

6:00pm - 10:00pm - Dinner/ Reds Game



## Day 3 - Wednesday, August 31st

6:00 - 7:00am - Continental Breakfast at Hotel  
7:15 Meet in Hotel Lobby for Shuttle to Magnum Piering

7:30 - 10:00am - Concurrent Group Sessions

**Session 1 - Field Training on Helical Piles**  
• How to install piers properly and monitor torque / advancement / alignment  
• Hands-on equipment operation  
• Proper techniques for operating machinery and pier install tools  
• Quality control data logging

**Session 2 - Field Training on Push Piers**  
• Proper installation of push piers, trimming footing and drilling / lock off brackets  
• Review different bracket styles & advantages  
• Safety & Materials Handling

10:00am - 12:00pm - Alternate Concurrent Group Sessions

12:00pm - 1:00pm - Lunch at Magnum  
• Equipment and Product Demonstrations

1:15pm 1:30pm - James Cherry / BJ Dwyer  
• Load testing procedures and criteria  
• Load frame drawings

1:45pm - 2:45pm - Conduct ASTM Load Test  
• Proper equipment / tools  
• Special procedures for slender piles

3:00pm - 3:30pm - Closing  
• Certification Exam  
• Present participant with certificates

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## BENEFITS OF PARTICIPATION

- Improve Bidding Accuracy
- Learn Time Saving Techniques
- Understand Pile Sizing
- See Behind Scene at Magnum
- Become Certified Master Installer

