

Energi Pressure Management combines tried and true pressure monitoring with next-generation technology. Energi-PM is the only pressure differential system that uses your mobile device to monitor and record helical pile installations. Features include real-time data acquisition, wireless communication, and preformatted reports. Everything about Energi-PM makes capturing vital information accurate and easy.



**Energi Pressure Management can easily adapt to any single-speed make and model of Anchor Drive.**



 Mobile App	 Wi-Fi Connection	 Pressure Monitoring
 No Added Weight	 PDF Reports	 No Added Height

Energi-PM allows your mobile device to conveniently manage and record your helical pile installations using the free mobile app for either iOS® or Android®.



**Energi-PM App Monitors and Records:**

- Calculated Torque
- Differential Pressure
- Depth
- Angle
- Time & Date
- Drive Model
- Job Notes
- Pile Names/Numbers
- Job Name/Information

*Send all recorded data in PDF format directly from your mobile device.*

**Energi Wi-Fi Module Features:**

- IP67 Rated
- 40 Hour Battery Life
- Polycarbonate Housing
- Illuminated Power Button
- 100 Yards Wi-Fi Range
- Integrated Sleep Mode
- Operating Diagnostics (App)
- Internal Temp. Monitoring
- Easy Removal for Charging



**A Universal Solution!**  
Energi-PM not only easily integrates with Dinamic Oil Anchor Drives. It functions on any single-speed make or model!

## HOW IT WORKS

Energi-PM utilizes two pressure transducers to capture actual working pressure at the Anchor Drive. The Energi WiFi module calculates a torque value based on the differential pressure measured at the hydraulic motor of the Anchor Drive. The result is an accurate and effective method of generating differential torque for any single-speed Anchor Drive.

## EASY TO USE

The Energi-PM mobile app is intuitive to use, and installing the IP67 rated WiFi module with it's 40-hour battery life is simple. No electrical or power supply wiring is required. Just plug and play!

## RELIABLE TECHNOLOGY

Energi-PM uses a WiFi signal with range of 100 yards to communicate with your mobile device. Reliable communication is a must when capturing data!



All recorded data is formatted into a user-friendly preformatted PDF reports. All recorded jobs include a Summary Report which provides an overview of the entire job and Individual Pile Reports that provide in-depth installation data on each helical pile.

### Summary Report

Job Summary		Foundation 051021				
(Page 1 of 1)		Job Name				
Job Name / Number:	Foundation 051021					
Customer Name:	ABC Construction Company, LLC					
Location:	1234 Main Street, Smithville, NC					
Time Zone:	America/New_York					
Anchor Drive Model:	SA7					
Anchor Drive Serial No.:	1234567					
Calibration Due:	01/01/2022					
WiFi Module Serial No.:	1234567					
Pile Name	Date	Duration (min)	Peak Torque (ft-lbs)	Target Torque (ft-lbs)	Final Depth (ft)	Angle Ave (deg)
AND01	12/15/20	4.93	7,357	7,000	32	3
AND02	12/15/20	15.08	7,345	7,000	45	2
AND03	12/15/20	20.98	7,239	7,000	45	4
AND04	12/15/20	21.53	7,498	7,000	58	4
AND05	12/15/20	30.93	7,128	7,000	55	1
AND06	12/15/20	6.82	7,654	7,000	60	2
AND07	12/15/20	6.87	7,233	7,000	42	5
AND08	12/15/20	5.82	7,221	7,000	55	3
AND09	12/15/20	4.93	7,112	7,000	39	2
AND10	12/15/20	15.08	7,122	7,000	45	4
AND11	12/15/20	20.98	7,099	7,000	55	4
AND12	12/15/20	21.53	7,056	7,000	58	1
AND13	12/15/20	30.93	7,102	7,000	65	2
AND14	12/15/20	6.82	7,055	7,000	70	5
AND15	12/15/20	6.87	7,211	7,000	45	3
AND16	12/15/20	5.82	7,298	7,000	45	2
AND17	12/15/20	4.93	7,104	7,000	55	4
AND18	12/15/20	15.08	7,023	7,000	95	4
AND19	12/15/20	20.98	7,122	7,000	60	1
AND20	12/15/20	21.53	7,321	7,000	60	2
AND21	12/29/20	30.93	7,502	7,000	60	5
AND22	12/29/20	6.82	7,485	7,000	55	1
AND23	12/29/20	6.87	7,681	7,000	45	3
AND24	1/7/21	5.82	7,305	7,000	45	2
AND25	1/7/21	5.01	7,129	7,000	60	3
<b>Job Notes</b>						
<ul style="list-style-type: none"> <li>- Host Machine / Prime Mover Bobcat E 55</li> <li>- Excavator Auxiliary Relief Pressure Set to 2900 PSI</li> <li>- Excavator Auxiliary Relief Pressure Set to 21 GPM</li> <li>- Plans: Permit Set Dated February 10, 2021</li> <li>- Required Installation Torque 7,000 FT-LBS</li> <li>- Maximum Material Yield Strength 12,500 FT-LBS</li> <li>- Helical Pile Blade Configuration 30" / 13" / 14"</li> <li>- Helical Pile Shaft O.D. 3"</li> </ul>						
<p>The information contained herein is expressly intended to serve as a "torque monitoring service" only. Dinamic Oil North America expressly disclaims all liability for any other use, including, but not limited to, replacement or suppression of relevant legal requirements such as "load test data", "load tests", "control tests", or any similar testing requirement. Please see the Dinamic Oil North America App Terms of Use for further information.</p>						

### Individual Pile Report

Helical Pile Installation Record						AN001
(Page 1 of 2)						Pile Name
Job Name / Number:	Foundation 051021	Installation Summary				
Customer Name:	ABC Construction Company, LLC	Target Torque:	7,000 ft-lbs			
Location:	1234 Main Street, Smithville, NC	Peak Torque:	7,357 ft-lbs			
Anchor Drive Model:	SA7	Maximum Depth:	32 ft			
Anchor Drive Serial No.:	1234567	Angle Average:	3°			
Calibration Due:	01/01/2022					
WiFi Module Model No.:	ESN000001					
Date	Time	Torque (ft-lbs)	Depth (ft)	Angle (deg)	Differential Pressure (psi)	
12/15/20	12:39:01 PM	0	0	1	4	
12/15/20	12:39:02 PM	0	-	1	9	
12/15/20	12:39:03 PM	0	-	1	12	
12/15/20	12:39:04 PM	123	-	3	38	
12/15/20	12:39:05 PM	355	-	2	127	
12/15/20	12:39:06 PM	680	3	1	221	
12/15/20	12:39:07 PM	999	-	1	350	
12/15/20	12:39:08 PM	1,245	-	3	407	
12/15/20	12:39:09 PM	1,598	-	4	557	
12/15/20	12:39:10 PM	1,891	6	5	646	
12/15/20	12:39:11 PM	2,151	-	4	745	
12/15/20	12:39:12 PM	2,333	-	5	797	
12/15/20	12:39:13 PM	2,567	-	4	847	
12/15/20	12:39:14 PM	2,888	9	2	947	
12/15/20	12:39:15 PM	3,010	-	3	1,026	
12/15/20	12:39:16 PM	3,322	-	1	1,117	
12/15/20	12:39:17 PM	3,756	-	1	1,253	
12/15/20	12:39:18 PM	3,999	12	3	1,369	
12/15/20	12:39:19 PM	4,101	-	2	1,387	
12/15/20	12:39:20 PM	4,386	-	1	1,471	
12/15/20	12:39:21 PM	4,693	-	1	1,580	
12/15/20	12:39:22 PM	6,196	15	3	1,669	
12/15/20	12:39:23 PM	6,094	-	2	1,735	
12/15/20	12:39:24 PM	6,111	-	1	1,847	
12/15/20	12:39:25 PM	6,101	-	1	1,926	
12/15/20	12:39:26 PM	5,898	-	3	1,846	
12/15/20	12:39:27 PM	5,801	18	4	1,986	
12/15/20	12:39:28 PM	5,868	-	5	1,596	
12/15/20	12:39:29 PM	5,988	-	1	2,025	
12/15/20	12:39:30 PM	6,202	-	2	2,091	
12/15/20	12:39:31 PM	6,289	21	3	2,134	
12/15/20	12:39:32 PM	6,211	-	4	2,165	
12/15/20	12:39:33 PM	6,321	-	3	2,155	
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