

ENERGI MOBILE APP QUICK START GUIDE



BE ALERT ON THE JOB SITE

Accidents can occur if the user is not alert and aware of the surroundings. Interface with the Mobile App only when it is safe to do so. Operating machinery while distracted can result in loss of machinery control.

1 DOWNLOAD - INSTALL App

Search “Energi Torque Management” in the App Store and Google Play Store. Install the App.



Data rates may Apply.
Apple is a trademark of Apple Inc.
App Store is a service of Apple Inc.
Google Play is a trademark of Google Inc.

2 TERMS OF USE / CONNECT

Read and accept the Dinamic Oil North America Terms of Use in order to begin using the Energi Torque Management mobile App. The Terms of Use are easily accessible from the App home screen.



Connect to “Energi” WiFi network.

Ensure the WiFi module is **ON** in order to connect to your mobile device.

Note - The WiFi network name is also the serial number for the WiFi module (Energi_xxxxxxx).

IMPORTANT!

iOS Users - To establish a reliable connection, the Energi app requires access to your local network. Select OK when prompted.

“Energi” would like to find and connect to devices on your local network.
This app will be able to discover and connect to devices on the networks you use.

Don't Allow


OK

3 ADD ANCHOR DRIVE

The Energi App requires the serial number of the Anchor Drive(s) you intend to use.

Select the settings icon  from the home screen.

Select **My Anchor Drives** from settings.

Select the  icon, add the Anchor Drive serial number.

Note: The serial number can typically be found near the top of the bail housing of the Anchor Drive.

4 START NEW JOB

Select **Start New Job** from the main menu to begin using the Energi App.



5 ENTER JOB INFORMATION

Enter all job related information in the required fields.

Note - All fields are mandatory.

Follow prompts and select **Done** to move to the main user interface.

6 ENTER PILE NAME / NUMBER

When all job related information is entered the Energi App is ready for use. A pop-up will Appear at the start of all new jobs requiring a **Pile Name**, **Target Torque**, and **Angle** range.

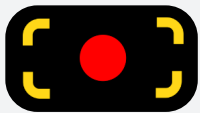
The screenshot shows a data entry form with the following fields and values:

- Pile Name: 020-1
- Target Torque (ft-lbs): 7500
- Angle (deg): 1 and 3
- Buttons: Back and Done

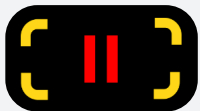
Enter information and select **Done**.

7 RECORDING

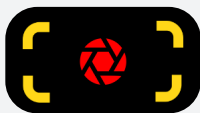
The App will begin recording data when the recording button near the bottom of the screen is selected. The recording method is based on the mode (Standard or Select) chosen during the job setup process.



STANDARD Recording Mode Icon



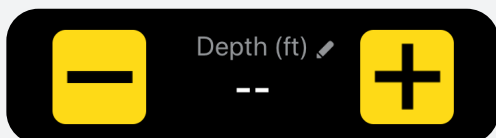
PAUSE Icon - only used with STANDARD Mode.



SELECT Recording Mode Icon

8 DEPTH (STANDARD MODE)

Select the + or - buttons in Standard mode to add pile length (depth) to the data being recorded.



IMPORTANT! Select TARE while the Drive is hanging freely and under no load before starting each new pile to ensure torque accuracy.



9 COMPLETE PILE / JOB

Select the End Pile/Job button to complete the pile or job. Follow prompts accordingly.



Data Saved

Start New Pile

Complete Job

Cancel

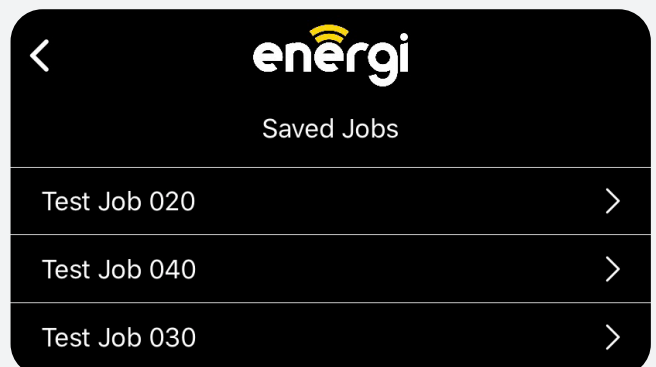
10 ACCESS SAVED JOBS

Select **Saved Jobs** from the home screen to view all saved job reports.



11 SAVED JOBS / REPORTS

Select the Job name to review the Job or Pile report.



12

SAVED JOBS REPORTS

Select the Job or individual pile name to view the report. Reports are saved as PDF files.

iOS Device - The report will open automatically using the iOS PDF viewer.

Android Device - The user will need to select a PDF viewer to access and view the report.

Note: The Job Summary report compiles the job data and in several areas provides averages of a specific Pile. **For specific Pile installation data that is not averaged view the Individual Pile Record.**

IMPORTANT! All report data is saved locally on your mobile device. It is highly recommended to email the reports from your mobile device as a precaution. If your mobile device is damaged or lost the data can not be recovered.



Example of Job Summary Report

Job Summary			Test Job 20			
(Page 1 of 1)			Job Name			
Job Name / Number:	Test Job 20	Customer Name:	ABC Construction Company, LLC			
Anchor Drive Model:	SA7; SA30	Location:	1234 Main Street, Smithville, NC			
Anchor Drive Serial No.:	12345678; 22345678	Time Zone:	America/New_York			
Calibration Due:	2/3/2022; 12/5/2022					
Pile Name	Date	Duration (min)	Peak Torque (ft-lbs)	Target Torque (ft-lbs)	Final Depth (ft)	
AN001	12/16/20	4.93	31029	30000	56	
AN002	12/14/20	15.08	7345	7000	45	
AN003	12/14/20	20.98	7239	7000	45	
AN004	12/14/20	21.53	7498	7000	58	
AN005	12/14/20	30.93	7128	7000	55	
AN006	12/14/20	6.82	7654	7000	60	
AN007	12/14/20	6.87	7233	7000	42	
AN008	12/14/20	5.82	7221	7000	55	
AN009	12/14/20	4.93	7112	7000	39	
AN010	12/14/20	15.08	7122	7000	45	
AN011	12/14/20	20.98	7099	7000	55	
AN012	12/14/20	21.53	7056	7000	58	
AN013	12/14/20	30.93	7102	7000	65	
AN014	12/14/20	6.82	7095	7000	70	
AN015	12/14/20	6.87	7211	7000	45	
AN016	12/14/20	5.82	7298	7000	45	
AN017	12/14/20	4.93	7104	7000	55	
AN018	12/14/20	15.08	7023	7000	95	
AN019	12/14/20	20.98	7122	7000	60	
AN020	12/14/20	21.53	7321	7000	60	
AN021	12/28/20	30.93	7502	7000	60	

13 SAVED PILE REPORTS

The information shown on the report is controlled by the **Report Settings** in the Setting Menu.

When a field is turned off in the Report Settings menu it is also removed from the report. If you do not see a particular field shown on the report check the Report Settings menu. Fields can be turned off and on at any time.

The Individual Pile report includes - Date, Time, Torque, Depth, Speed, Angle, and Differential Pressure. Target Torque, Peak Torque and Final Depth are shown in the top right of the report.

Report Settings

Show Target Torque	<input checked="" type="checkbox"/>
Show Peak Torque	<input checked="" type="checkbox"/>
Show Pressure	<input checked="" type="checkbox"/>
Show Depth	<input checked="" type="checkbox"/>
Show Angle	<input checked="" type="checkbox"/>
Show Speed	<input checked="" type="checkbox"/>



Example of Individual Pile Report

Helical Pile Installation Record

(Page 1 of 2)

AN001

Pile Name

Job Name / Number: Test Job 20
 Customer Name: ABC Construction Company, LLC
 Location: 1234 Main Street, Smithville, NC
 Anchor Drive Model: SA7; SA30
 Anchor Drive Serial No.: 1234567; 2234567
 Calibration Due: 2/3/2022; 12/5/2022
 WiFi Module Model No.: ESN000001

Installation Summary
 Target Torque: 30,000 ft-lbs
 Peak Torque: 31,029 ft-lbs
 Final Depth: 56 ft
 Angle Average: 3°

Date	Time	Torque (ft-lbs)	Depth (ft)	Angle (deg)	Differential Pressure (psi)
12/15/20	4:50:09 AM	0	0	1	4
12/15/20	4:50:10 AM	0	-	1	9
12/15/20	4:50:11 AM	0	-	1	12
12/15/20	4:50:12 AM	123	-	3	38
12/15/20	4:50:13 AM	355	-	2	127
12/15/20	4:50:14 AM	680	5	1	221
12/15/20	4:50:15 AM	999	-	1	350
12/15/20	4:50:16 AM	1245	-	3	407
12/15/20	4:50:17 AM	1598	-	4	557
12/15/20	4:50:18 AM	1891	10	5	646
12/15/20	4:50:19 AM	2151	-	4	745
12/15/20	4:50:20 AM	2333	-	5	797
12/15/20	4:50:21 AM	2567	-	4	847
12/15/20	4:50:22 AM	2898	15	2	947
12/15/20	4:50:23 AM	3010	-	3	1026
12/15/20	4:50:24 AM	3322	-	1	1117
12/15/20	4:50:25 AM	3756	-	1	1253
12/15/20	4:50:26 AM	3999	20	3	1369

MAIN MENU REFERENCE

The image shows a smartphone screen displaying the Energi mobile app's main menu. The app's logo, "energi TORQUE MANAGEMENT", is at the top. The menu consists of six yellow icons arranged in a 3x2 grid: a plus sign, a floppy disk, a wrench and clock, a heart rate line, a document, and a document with a checkmark. Lines connect each icon to a text box providing a description of its function. At the bottom of the screen is the "dinamic oil" logo.

Start New Job
Select to begin sequence to start new job.

Saved Jobs
Select to access saved job records. Job summary pages and individual helical pile records are saved in this section as PDF files.

Quick Start Guide
Select to access the Quick Start Guide PDF file. Provides basic operating instructions for the Energi App.

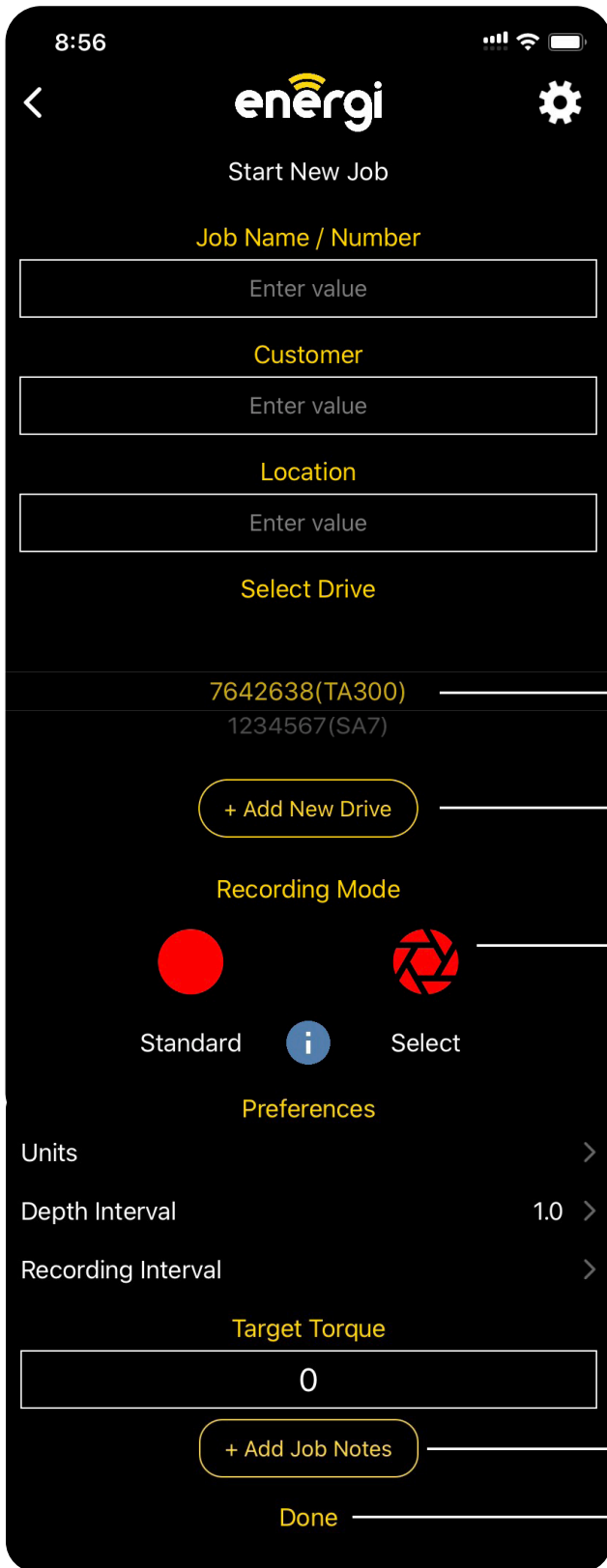
Diagnostics
Select to access the diagnostics display to see basic functions. This feature is used for testing not for recording installation data.

Datasheets
Select to access the datasheets for all Dinamic Oil Anchor Drive models.

Terms of Use
Select to access the Energi mobile App Terms of Use agreement.

ENTER JOB MENU REFERENCE

Enter all job related information in the Appropriate areas.



Enter Job Name

Enter Customer Name

Enter Job Location

Select Anchor Drive
This list will be populated with Anchor Drive models from My Anchor Drives.

A new Anchor Drive can also be added to the My Anchor Drives list by selecting **+ Add New Drive**. This is only necessary if the Anchor Drive model wanted is not shown.

Choose from two recording modes:
Standard - Records data continuously and can be paused as needed.
Select - Records data only when the user selects the record button. Captures a snapshot of current data.

Select Units of Measure (Imperial or Metric)

Enter Depth Interval based on unit of measure selected

Enter Recording Interval (1, 5, 10, or 30 seconds)
*Not available in Select Mode

Enter Target Torque for the first pile

Select to enter text field to add additional info/notes

Select Done to go to main UI Screen

MAIN ENERGI SCREEN REFERENCE

The screenshot shows the main Energi app screen with the following components and labels:

- Menu**: Access main menu (hamburger icon)
- Job Name**: Name entered during setup (Test Job 21)
- Anchor Drive Model**: Anchor Drive selected during setup (TA20)
- Peak Torque**: Indicates peak torque achieved during installation (18,514)
- Tilt Direction Indicator**: Real-time position of the Anchor Drive (circular gauge)
- RPM - Speed**: Speed of the Anchor Drive (10)
- Subtract Depth**: Depth decreased in increments established during set-up (- button)
- Tare**: Select to reset torque value (TARE icon)
- IMPORTANT!** Select TARE while the Drive is hanging freely and under no load before starting each new pile to ensure torque accuracy.
- Notes**: Add notes to the report (notepad icon)
- Settings**: Access App settings (gear icon)
- Pile Name/Number**: Value entered in the Pile Name pop-up screen (Test Pile 01)
- WiFi Module Battery Life**: Battery life percentage (25%)
- Torque Display**: Real-time torque value (18,493)
- Differential Pressure**: Real-time pressure value (2,455.4)
- Target Torque**: Indicates target torque entered during setup (20,000)
- Tilt Angle**: Anchor Drive tilt angle from vertical (0°)
- Add Depth**: Depth increased in increments established during set-up (+ button)
- Complete Pile**: Select to complete pile and start new pile or finish current job (checkmark icon)
- RECORD**: Select to start recording data. (Recording indicator)
- PAUSE Icon**: only used with STANDARD Mode. (Pause icon)
- SELECT Recording Mode Icon**: (Camera icon)

DIAGNOSTICS SCREEN REFERENCE

Diagnostics Mode is used to ensure all critical aspects of the Energi system is functioning properly. Diagnostics mode is helpful in troubleshooting in the event the Energi system is experiencing operating issues.

Diagnostics Mode should NOT be used to record important job related installation data.

The screenshot shows the Energi Diagnostics interface with the following data and controls:

- Time:** 4:03
- Model:** SA12
- Battery:** 87%
- Torque (ft-lbs):** 7,213
- Pressure Port A (psi):** 3,065
- Pressure Port B (psi):** 54
- RPM - Speed:** 18
- Angle:** 3°
- TD Flange Signal (mA):** 10.6207
- Temperature:** 77°F
- Controls:** Tare (T with arrows), Record (red dot), Complete/End (checkmark), and Pause (II) icons.

Pressure Port A — Real-time pressure value

Pressure Port B — Real-time pressure value

RPM - Speed — Speed of the Anchor Drive

Tilt Angle — Anchor Drive tilt angle from vertical

TD Flange Signal — Indicates the milliamperes (mA) of the TD Flange

WiFi Module Temp — Indicates the internal temperature of the WiFi module

Tare — Select to reset torque value

Complete / End — Select to complete diagnostics session recording.

RECORD — Select to start recording data.

PAUSE Icon - only used with STANDARD Mode.

IMPORTANT!
The data recorded in Diagnostics mode is only exported in .CSV file format. The .CSV file is not saved. View and export immediately after completing the diagnostics.

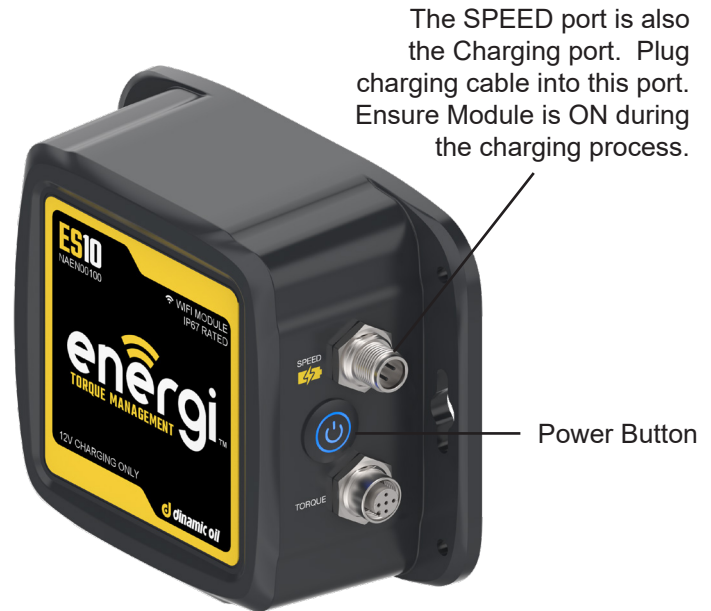
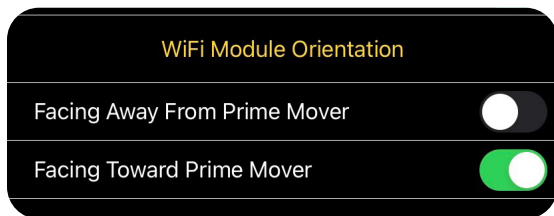
WiFi MODULE INFORMATION

WiFi MODULE CHARGING

To charge the WiFi Module - Connect the charging cable to the SPEED/CHARGING port and provide power. **The WiFi Module should be ON during charging** and the power button will pulse (blink) during the charging process.

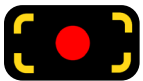
WiFi MODULE LOCATION

The module must be placed on either the front or back surface of the Anchor Drive for the Tilt Direction (inclinometer) to work correctly. The orientation can be changed in Settings under the **WiFi Module Orientation** menu.



RECORDING MODES AND OPTIONS

The Energi App can record installation data in several different ways:



STANDARD MODE

Records data continuously and can be paused as required.



SELECT MODE

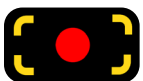
Records data only when the user selects the record button. Captures a snapshot of current data.



BURST MODE

Burst recording is activated when the user presses and holds (long press) on the recording button. The Burst function allows the user to capture a series of data points in quick succession.

- In Standard Mode: *Press and Hold the Pause recording button.*
- In Select Mode: *Press and Hold the Select recording button.*



DIAGNOSTICS MODE

Records data continuously and can be paused while in Diagnostics mode. Note - Diagnostics will produce a .CSV file

IMPORTANT - All report data is saved locally on your mobile device. It is highly recommended to email the reports from your mobile device as a precaution. If your mobile device is damaged or lost the data can not be recovered.

EDIT OPTIONS

Any field that has the Pencil Icon near it can be edited. Press the Pencil Icon and follow the prompts to complete the edit.



Example of Pencil Icon

ADDITIONAL HELPFUL INFORMATION

MULTIPLE USERS

The Energi App can be used by two different users at the same time. Each user can set their own settings and record data independently.

CONNECTIVITY RANGE

The Energi App has a WiFi connection range of 50 yards between the WiFi module and the users mobile device.

SAVED REPORT MANAGEMENT

All report data is saved locally on your mobile device. It is highly recommended to email the reports from your mobile device as a precaution. If your mobile device is damaged or lost the data can not be recovered.

FORMATTING REPORTS

Reports can be created and reformatted with different fields at any time. The reports regenerate each time a user recalls the reports, enabling the data to be formatted with as much or as little information as needed.

CALIBRATION NOTICE

The user will receive an in App notice 45 days before calibration expires. The calibration due date is shown in the My Anchor Drives list under General Settings.

ERROR LOGS

Error logs can be emailed from your mobile device. See General Settings, select Send Error Logs and follow the prompts.

JOB NOTES

The user can add notes to the individual pile report by selecting the notes icon in the top right of the main user screen. The notes will appear on the PDF report after the pile is complete.

ADD / SUBTRACT DEPTH RECORDING

When the user selects the + or - depth buttons a data point will be recorded. This feature can be used when completing a pile to ensure the final depth and torque values are aligned.

CHANGE DRIVE DURING JOB

The Drive model can be changed during a job by selecting the pencil icon and following the prompts. The user will be asked to confirm they are using the correct WiFi network before proceeding.

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