

ADDING & EDITING PUMPS

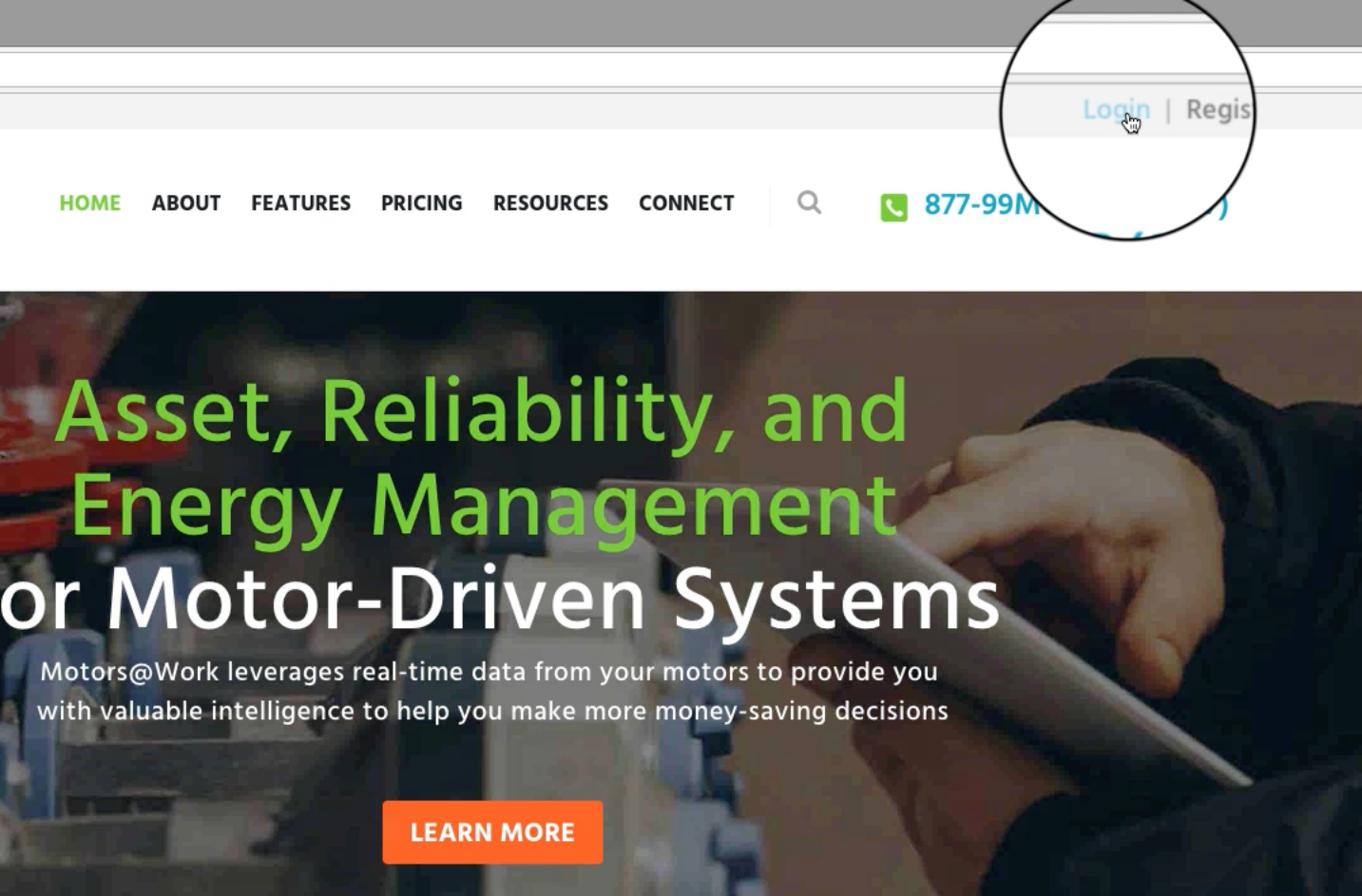
A QUICK-START GUIDE



MOTORSE@WORK



LOG INTO MOTORS@WORK



1. Open your browser & go to www.motorsatwork.com
2. Select [Login](#) in the upper right corner of the website

ASSET, RELIABILITY AND ENERGY MANAGEMENT FOR MOTOR-DRIVEN SYSTEMS

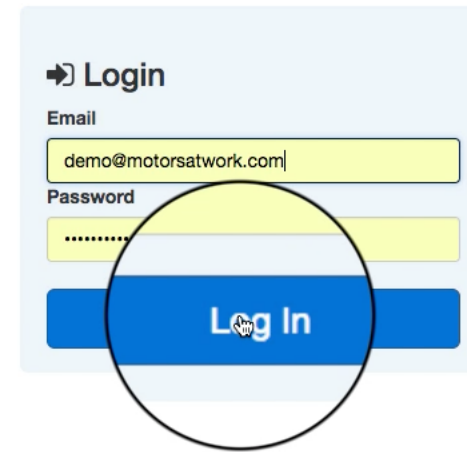


Reliability Management



Energy Management

3. Enter your **Email** and **Password** in the appropriate fields
4. Click the **Log In** button

A screenshot of a web application's login interface. It features a light blue background with the heading "Login" and a right-pointing arrow. Below the heading are two input fields: "Email" containing "demo@motorsatwork.com" and "Password" containing a masked password ".....". A blue "Log In" button is positioned below the fields, with a mouse cursor hovering over it. A black circle highlights the "Log In" button.



NAVIGATE TO MY PUMPS

Motors@Work - Efficiency for X

ec2-54- https://app.motorsatwork.com/dashboard

Search criteria

Yberry Waterworks Overview

Asset Management Reliability Management Energy Management

Asset Performance

Energy Opportunities Total, all facilities

Asset	Score	Payback period	Cost to replace
CALVANDER PS PU	96.57	0.04 years	\$1,474.85
Yemassee Test M	N/A	0.2 years	\$3,082.30
-NA-	N/A	0.21 years	\$3,082.30
#2	N/A	0.35 years	\$2,573.35
MOTOR - 10947 -	N/A	0.83 years	\$2,115.75
...		< 2 years	
Total, payback under 2.00 years			\$ 328544.45

Reliability Opportunities Total, all facilities

Asset	Score	Life remaining	Cost to replace
Yemassee Test M	N/A	0 years	\$3,082.30
2 Water Pump Mo	2.6	0 years	\$9,285.90
CALVANDER PS PU	2.6	0 years	\$1,474.85
CALVANDER PS PU	2.6	0 years	\$1,526.20
...			
Total, less than 5 years remaining life			\$15369.25

Notifications

New, asset only

- New measurement shows, #2: [HIGH] Motor Load exceeds service factor: 652.50
[Review #2 Measurements](#)
- New measurement shows, Finished Water MOTOR - 10116 - RSL PUMP MOTOR #1, 50-RSLM-1: [HIGH] Motor Load exceeds service factor: 135.21
[Review Finished Water MOTOR - 10116 - RSL PUMP MOTOR #1, 50-RSLM-1 Measurements](#)
- New measurement shows, Finished Water MOTOR - 10116 - RSL PUMP MOTOR #1, 50-RSLM-1: Motor operating at sub-optimal motor load. Measured: 15.91

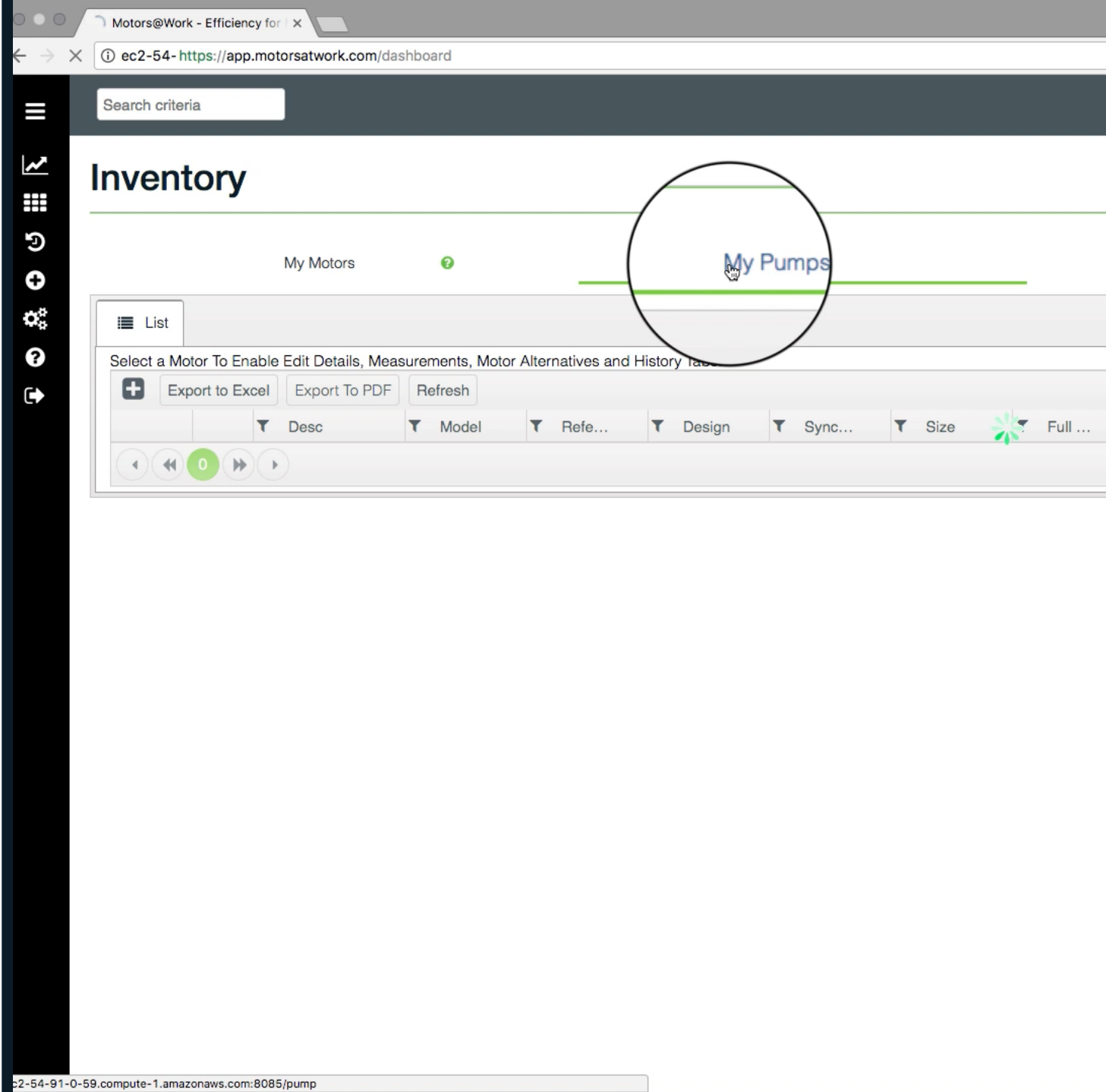
My KPIs

Total, all facilities

Metric	July 2017	Previous 12 months
Average age of assets	15.26 years	
Depreciation ratio	0 %	
Energy Performance	1523.72 kWh/mg	
Total utility bill	\$ 240439.62	
Equipment effectiveness	0 %	
Replacement needed	\$ 328544.45	

1. Click the [Inventory icon] in the left navigation bar

2. By default, you'll land on **My Motors**
3. Click **My Pumps** to view your pump inventory



The screenshot shows a web browser window with the URL `https://app.motorsatwork.com/dashboard`. The page title is "Inventory". At the top, there is a search bar labeled "Search criteria". Below the search bar, there are two tabs: "My Motors" and "My Pumps". The "My Pumps" tab is highlighted with a red circle. Below the tabs, there is a "List" button and a message: "Select a Motor To Enable Edit Details, Measurements, Motor Alternatives and History Tab". There are also buttons for "Export to Excel", "Export To PDF", and "Refresh". Below these buttons, there is a table with columns: "Desc", "Model", "Refe...", "Design", "Sync...", "Size", and "Full ...". The table has a pagination bar at the bottom with a green circle containing the number "0".



ADD A NEW PUMP

Motors@Work - Efficiency for ...


ec2-54- https://app.motorsatwork.com/dashboard

Search criteria

Inventory


My Motors ? My Pumps

Select a Pump Enable Edit Details and Measurements tabs.

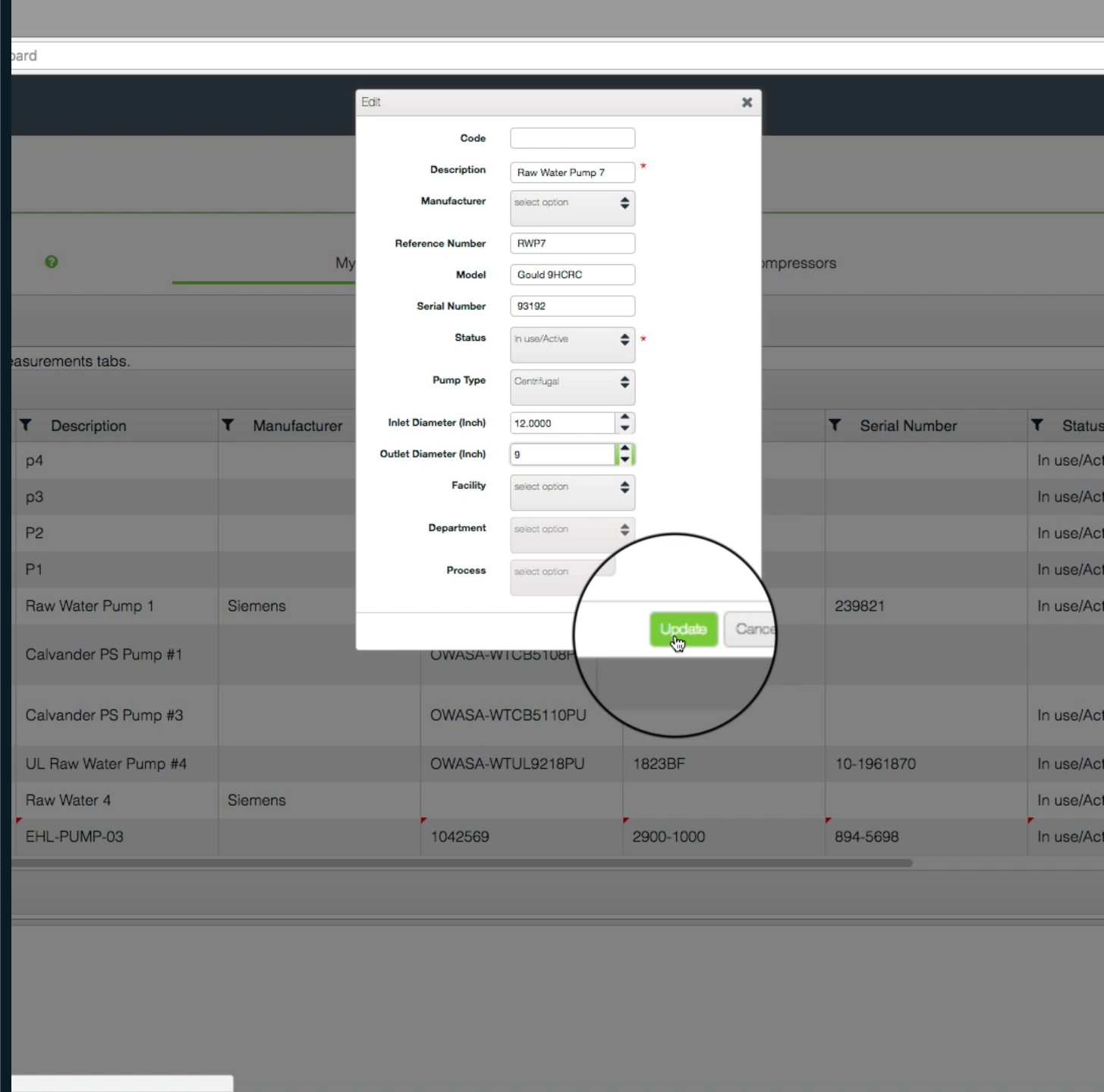
 Refresh

Code	Description	Manufacturer	Reference Number	Mo
	p4			
	p3			
	P2			
	P1			
	Raw Water Pump 1	Siemens	1000507	32HXB
OWASA-WTCB5108PU	Calvander PS Pump #1		OWASA-WTCB5108PU	
OWASA-WTCB5110PU	Calvander PS Pump #3		OWASA-WTCB5110PU	
OWASA-WTUL9218PU	UL Raw Water Pump #4		OWASA-WTUL9218PU	1823B
Raw Water 4	Raw Water 4	Siemens		
FWTP-HS-EHL-PMP-03	EHL-PUMP-03		1042569	2900-1

1 2

1. To add a new pump, click the  [Add icon]

2. Enter, at a minimum, all required fields, denoted with a red asterisk (*)
3. Click **Update** to create the pump record



The screenshot shows a web application interface with a table of pumps and an 'Edit' modal form. The table has columns for Description, Manufacturer, Inlet Diameter (Inch), Outlet Diameter (Inch), Facility, Department, Process, Serial Number, and Status. The 'Edit' modal form contains the following fields:

- Code:
- Description: Raw Water Pump 7 *
- Manufacturer: select option
- Reference Number: RWP7
- Model: Gould 9HCRC
- Serial Number: 93192
- Status: In use/Active *
- Pump Type: Centrifugal
- Inlet Diameter (Inch): 12.0000
- Outlet Diameter (Inch): 9
- Facility: select option
- Department: select option
- Process: select option

The 'Update' button is highlighted with a black circle, and a mouse cursor is pointing at it.

Description	Manufacturer	Inlet Diameter (Inch)	Outlet Diameter (Inch)	Facility	Department	Process	Serial Number	Status
p4								
p3								
P2								
P1								
Raw Water Pump 1	Siemens							
Calvander PS Pump #1				OWASA-WTCB5108F				
Calvander PS Pump #3				OWASA-WTCB5110PU				In use/Act
UL Raw Water Pump #4				OWASA-WTUL9218PU		1823BF	10-1961870	In use/Act
Raw Water 4	Siemens							In use/Act
EHL-PUMP-03		1042569		2900-1000			894-5698	In use/Act



EDIT AN EXISTING PUMP

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













Search criteria

Inventory

My Pumps

Measurements

Edit Details

	Description	Manufacturer	Reference Number	Mo
 	Raw Water Pump 7		RWP7	Gould
 	p4			
 	p3			
 	P2			
 	P1			
 	Raw Water Pump 1	Siemens	1000507	32HXB
 	OWASA-WTCB5108PU	Calvander PS Pump #1	OWASA-WTCB5108PU	
 	OWASA-WTCB5110PU	Calvander PS Pump #3	OWASA-WTCB5110PU	
 	OWASA-WTUL9218PU	UL Raw Water Pump #4	OWASA-WTUL9218PU	1823B
 	Raw Water 4	Raw Water 4	Siemens	

1 2

1. Select the pump record
2. Click the **Edit Details** tab

3. Enter details & specifications for this pump, particularly **Fluid Density, Suction & Discharge Head, and Inlet & Outlet diameters**
4. Click the **Add** button in the **System Components** box to link this pump to a motor from your motor inventory

Pump Details

Code: <input type="text"/>	Description *: <input type="text" value="Raw Water Pump 7"/>	Reference Number: <input type="text" value="RWP7"/>	Status *: <input type="text" value="In use/Active"/>	<input type="checkbox"/> Out of Service:
Facility: <input type="text" value="select option"/>	Process: <input type="text" value="select option"/>	Model: <input type="text" value="Gould 9HCRC"/>	Image: <input type="text"/>	<input type="checkbox"/> Component
Department: <input type="text" value="select option"/>	Manufacturer: <input type="text" value="select option"/>	Serial Number: <input type="text" value="93192"/>	Bar Code: <input type="text"/>	<input type="button" value="Add"/>

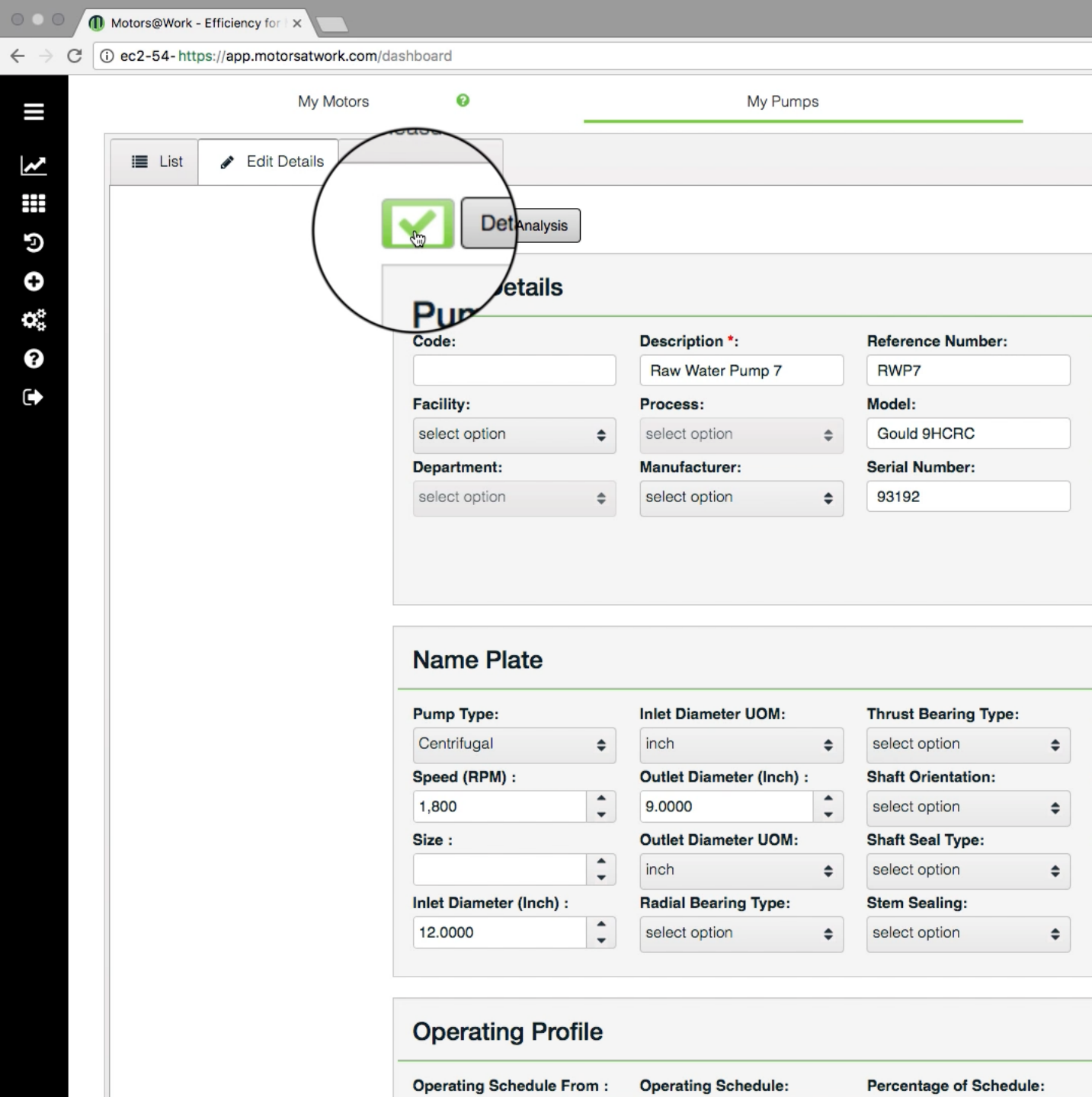
Name Plate


Pump Type: <input type="text" value="Centrifugal"/>	Inlet Diameter UOM: <input type="text" value="inch"/>	Thrust Bearing Type: <input type="text" value="select option"/>	Shafts: <input type="text" value="1"/>
Speed (RPM) : <input type="text"/>	Outlet Diameter (Inch) : <input type="text" value="9.0000"/>	Shaft Orientation: <input type="text" value="select option"/>	Stages: <input type="text"/>
Size : <input type="text"/>	Outlet Diameter UOM: <input type="text" value="inch"/>	Shaft Seal Type: <input type="text" value="select option"/>	Fluid Handled: <input type="text"/>
Inlet Diameter (Inch) : <input type="text" value="12.0000"/>	Radial Bearing Type: <input type="text" value="select option"/>	Stem Sealing: <input type="text" value="select option"/>	

Operating Profile


Operating Schedule From : <input type="text" value="Company"/>	Operating Schedule: <input type="text" value="OWASA"/>	Percentage of Schedule: <input type="text"/>	<input type="checkbox"/> Load Curtailing:
Yearly Operating Hours: <input type="text" value="8,736"/>	Year Installed: <input type="text"/>	Priority: <input type="text" value="select option"/>	

Process Details



5. Click the  [Update icon] in the upper left corner to save your changes to this pump asset's record

TIPS

- ★ If you want to use your newly created asset in [Pump Optimization](#) analyses, assign this pump to a [Facility & Process](#)
- ★ Our [Pump Upload Utility](#) makes adding more than one pump quick and easy; click  [[Settings](#) icon] in the navigation bar to access all [Upload Utilities](#)





Get an unexpected result?

Need more help?

Motors@Work's online [Help Library](#) contains the latest tips & tricks — just click the  [[Help icon](#)].