

INSTRUCTION AND OPERATING MANUAL

PREDICT PLUS GEN 3.5

Predict@Plus™

Page | 1-1 Rev. B



1. INSTRUCTION MANUALS

Status and Description of the revisions

Revision Status	Date	Prepared	Checked	Approved	Description of the Revision
А	1/07/2024	M.G.	R.M./K.M		First Initial to release.
В	1/23/2024	M.G.	R.Z.	1/23/2024	For Printing

2. About This Guide

This instruction and operation manual explains the Predict-Plus hardware, as well as the setup procedure and device activation to utilize the Predict-Cloud. This guide provides instruction to deploy Predict-Plus into the field and begin viewing and collecting data from your equipment.

3. Intended Audience

This guide is intended for DXP personnel and Predict-Plus end users.



Contents

1.	INST	TRUCTION MANUALS	1-2							
2.	About This Guide									
3.	Inte	nded Audience	3-2							
4.	Devi	ice Mounting Considerations	4-5							
5.	Pow	ower Requirements								
6.	Devi	ice Initiation	6-5							
7.	PRE	DICT-CLOUD.COM	7-5							
	7.1.	Device Registration								
	7.2.	Add New Device External Mode								
-										
	7.3.	Lost Password								
	7.4.	Dashboard Legend								
	7.5.	"E" Hierarchy Account Setup								
	7.6.	Account Setup								
	7.7.	Site Setup								
	7.8.	Users Setup								
-	7.9.	Internal Device Registration	7-14							
7	7.10.	Device Management	7-16							
8.	VIEV	N/SEARCH FOR DEVICES	7-17							
	•	From Condition Monitoring	7-17							
•		From the Map	7-17							
		From the Activity Dashboard	7-17							
	•	From the List	7-17							
		From the Hierarchy Tree View (Left Side bar)	7-17							
	•	By the Controller Name or ID in the search field								
ş	3.1.	In this dashboard, information is presented in both bar and graphical way, which summarizes the stat								
		in the desired of the user's access level. There are checkboxes which can help to filter based on the user's n								
	3.2.	The Map view								
	3.3.	Placing Devices on the map.								
	3.3. 3.4.	Pending Devices on the map.								
		Disconnected devices								
	3.5.									
	3.6.	Unallocated devices								
	3.7.	Unallocated Devices								
		Edition Device/Controller Placement								
	3.8.	Activity Dashboard								
	3.9.	List view								
8	3.10.	Hierarchy view								
9.	DEV	/ICE TABS	7-22							
ç	9.1.	Main	7-23							
g	9.2.	General Data	7-23							
ç	9.3.	Trending –	7-24							
Q	9.4.	Alerts – Here is the place to add the Device Type Alert								
	9.5.	Full Waveform								
	9.6.	Configuration								
	9.6.2.	Battery Graph								
	LO.	SETUP								
	LO.1.	General – This tab contains basic configuration of the device								
-	.0.1.	Seneral mis tab contains basic comparation of the device								

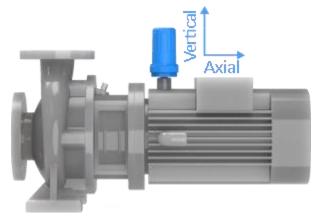


10.2.	Ver & Comm – Displays current Firmware and Cellular module information	
10.3.	Firmware & Template – Displays current Firmware	7-29
	Service	
10.5.	Configuration	7-30
11.	REPORTS	7-33
	Graph	
11.2.	Tabular	7-34
11.3.	Email History	7-35
	SMS History	
11.5.	Schedule Reports	7-35
12.	FAQ	7-37



4. Device Mounting Considerations

Predict-Plus shall be mounted as close to the thrust bearings of the equipment as possible to ensure optimal equipment data gathering. Predict-Plus shall be mounted to the equipment via the $\frac{1}{4}$ " NPT Mounting Stud, a converter stud in the $\frac{1}{4}$ " x 20 inset tap, and/or an accelerometer mounting accessory. Predict-Plus shall be mounted so that the axes of the devices correspond with the axes of motion from the rotating equipment. The wrench flats (B) on the side of Predict-Plus shall be mounted on the top face of the equipment whenever possible.



5. Power Requirements

Predict-Plus must be powered by 3 Energizer Ultimate Lithium[®] AA Batteries. Under standard operating conditions of 1-2 Predict-Cloud uploads per day and a sampling frequency of 5 minutes, the rated battery life of Predict-Plus 3.5 is 1 year. Do not use AA batteries other than Energizer Ultimate Lithium[®] due to potentially inadequate voltage and dramatically shortened battery life and voidance of hazardous location certification.

6. Device Initiation

Connect Battery. The Blue LED Indicator will flash sharply on and off indicating the device is powered on and attempting to connect to the server. When the LED Indicator begins to flash on and fade off (heartbeat), it has successfully connected to the server, and you can view your device in the Predict Cloud. Please note, all Predict Plus devices ships ready to connect.

7. PREDICT-CLOUD.COM

Access: https://predict-cloud.com/

By clicking on the link, you will be directed to the platform's home page. Access the platform using your email.



Predic	t
Sign In	
Username	۵
Password	
	🗣 Login
First time user (register device and of Forgot password?	create new account)

7.1. Device Registration

Is the process to configure and activate devices for customer use. There are two different methods, internal and external. This document will detail how to complete this task using both methods.

7.2. Add New Device External Mode

When creating and new device without no account, after clicking on the link "First Time User (Register Device and Create New Account". A dialog box will appear prompting the user to put in the device ID of the Predict Plus unit they have on hand. Please contact your DXP representative if you cannot find the Device ID of your unit.



7.2.1. The serial number is needed and is input into this dialogue box. This number is normally attached on a label on the device and usually has 6 figures.





- 7.2.2. After inputting the required Device information and pressing "continue", the following information needs to be filled.
- "Account Name"

"Email address"

"First Name and Last Name"

"Username to login to the server"

"Password"

"Security Question"

"Security Answer"

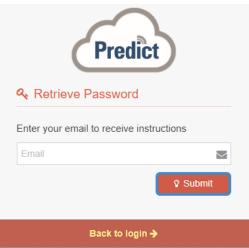
Account Name Email Email First Name Last Name Username Login Name	Account Setup And User Reg	istration —	
Email Email First Name First Name Last Name Username Login Name	Account Name		
Email First Name First Name Last Name Username	Account Name		
First Name First Name Last Name Username Login Name	Email		
First Name Last Name Last Name Username Login Name	Email		
Last Name Last Name Username Login Name	First Name		
Last Name Username Login Name	First Name		
Login Name	Last Name		
Login Name	Last Name		
-	Username		
Password (min. 8 characters)	Login Name		
	Password (min. 8 characters)		

- 7.2.3. An email will be sent to finalize the new login credentials. To confirm, check the email address you entered in step 7.2.2. and click on the link to continue. After reading the End User License Agreement, and agreeing to the terms, please click OK.
- 7.2.4. In The following window, there will appear the customer contact and billing information that needs to be set up using the account information.
- 7.2.5. After all the user data has been entered a confirmation prompt will appear to move forward.

7.3. Lost Password

If the password was lost, the following window will appear after, clicking "forgot password."





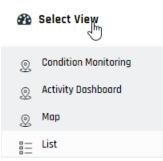
Enter your email address in the box given and check the email address provided for further steps on resetting/retrieving your password.

7.4. Dashboard Legend

Predict	C		\$		
Predict	Select View				
III Arcipuide		levical 8 Declers	8 Accounts	8 Last Comm	6 Subscription
III Anodarko Petroleum	Address of the second s	22446 PumpsWorks inductrial	inventory	Mon Apr 18 2022 10:43:54	Not Active
III & Roun Medical Inc	12478 6853 6025	22478 PumpsWorks industrial	inventory	Fr Jul 16 2021 16:23:09	Not Active
	32994 SEN3 1625	22994 PumpsWorks Industrial	muentary	Fri Dct 29 2021 11:44:30	Not Active
III Blueknight Energy Portners	Den Booster 1	20520 E00 Resources	Redvils WGS	Set Jan 14 2023 (2703:20	Active
III Buckeye Partners, LP	33007 GENO ES25	23017 PumpsWorks industrial	inventory	Mon Jon 24 2022 1545-11	Not Active
III Columet Specialty Products	22562 DENO 1025	22562 Pumpsikorks industrial	inventory	Tue Apr 10 2022 1156:37	But Active
III Conoteik	32583 0843 6825	32583 PumpsWorks Industrial	inventory	Mon Apr 04 2022 1107.45	Not Active
E Contevo	226/5 06/12 6025	20515 Pumpsiliorits industrial	imentory	Tue Apr 12 2022 12:15:16	Not Active
E Country Hork	32636 9693 6025	32636 PunpsWorks industrial	inventory	Wed Aug 17 2022 13:32:44	Not Active
	HIV Pung Left (A4)	30536. Bioteway Node Demos	Foundry - 10096	Wed May 22 2019 16:22:52	Test Mode
III Delek Lopistics	25567 (ENJ) E025	12667 PartpsWorks industrial	muntary	Tue Apr 12 2022 15:14:11	Nat Active
III Dow Chemical	32688 5653 1025	20688 PumpsWorks Industrial	insentory	Tue Apr 12 2022 11/05/25	Not Active
EXP Alientown	32709 6EK3 E625	32709 Pumpsilitorks industrial	investory	Wed Apr 20 2022 15:36:07	Not Active
III D/F Eimingham	33105 0EN3 E025	2005 PumpsWorks industrial	inventory	Mon Jan 21 2022 10:51:49	Not Active
III DXP Corper	22740 6843 6625	22740 Pumpsillioks industrial	inventory	Wed Apr 19 2022 12:3914	Not Active
III DIP Commerce City	Showing 1 to 16 of 2.514 entries				
III DAP Exantarile					
			10052027 Virus-AL496 ₩ = 11 22 ●		
"A" Hierarchy side ba	Tree View Left r	of the Hierarchy 1	oggles the visibility Free View left side ar	view button h	the mouse in the has below the option Monitoring", "Acti

Dashboard", "Map" and "List".





"D" Recent devices, will show the latest activity of the devices registered to your account.



"E" Administration Tab, will show the following information.

"New Device Registration"	
"Download"	Mig Gomez •
"Dealers"	♣ Device Registration
"Accounts"	<u>↓</u> Download
"Sites"	Dealers
"Users"	Site
	& Users
"Device Management"	✓ Device Management
"Themes"	< Themes
	ڻ Logout

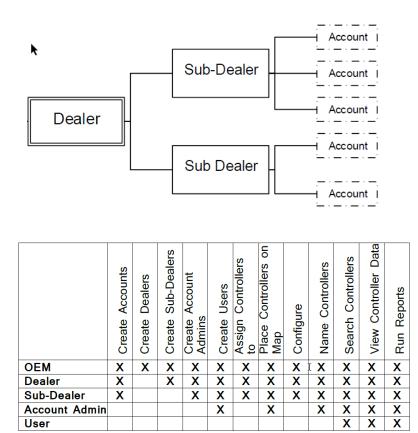
"F" is the search button "G" is the tab to change the language.

7.5. "E" Hierarchy Account Setup

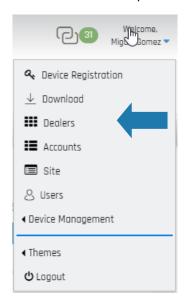
There are five different login levels on the <u>www.predict-cloud.com</u> with the below hierarchy levels: 7.5.1.OEM 7.5.2.Dealer 7.5.3.Sub-Dealer



7.5.4.Account 7.5.5.Users



To view your current level status, click on your name in the upper right-hand corner of the screen "E" and select Dealers from the Dropdown



In the following tab, depending on the type of account created there would be the possibility of seeing, edit, deleting and creating new Dealers account.

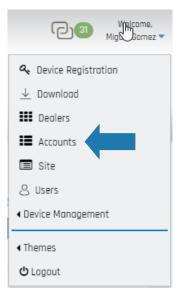


💷 Delbers

🛿 Edit 💾 Sove 🛍 De		
Dealers	Details	
529 A_DXP AMI Demo ADM Air Systems LLC	Company Street Address City	These are the standard details required for creating a Dealer.
AirLiquide Anadarko Petroleum	State / Postal	
B Braun Medical Inc BlueKnight Energy Partners	Country None 🗸	
Buckeye Partners, LP		
Calumet Specialty Products		
Carotek		
Corteva		
CountryMark		

7.6. Account Setup

On the account setup, depending on your account level hierarchy, it is possible to edit, and create new accounts, dealers, sites, and users.





1/07/2024

Accounts				
ounts				Q Search Device
Edit Save H New Ilers West Lake	~	The information v for new accounts.	vith and * is required	
Accounts List				
Inventory				~
Accounts Details				
Display Name *	Inventory			
Company/Customer Name	Inventory Account			
Authorized Contact Person	First		last	
Emergency Contact Person	First		last	
Best Method of Contact	Email Phone			
Email				
	Country		Phone	
		~		
Address				
	City		State	
	Partal Cada		Select State	~
	Postal Code		Country	
			None	V

In the account list, there is a dropdown menu with the account details that are created below in the Dealer Hierarchy.

	none	~	
4	none	-	Η
	Dashboard demo		
	Inventory		
	Inventory Miguel's Demo Unit	- 1	П
	VELODYNE		

7.7. Site Setup

On the site setup, from the available Dealers and Accounts assigned to your predict-cloud.com access level, you will have the possibility of editing, deleting, and creating new "site's" that are going to hold the Predict-Plus devices so they can be easily mapped and structured depending on geographical or customer required segmentation.



🔲 Site		
Site		Q. Search Device
🕼 Edt 🔛 Sove	Delete 🖸 Now	
Dealers	Accounts	
None	Vone V	
Sites List	Details	
Axiall Corp Site	Site Name	
Colorado Ranch		
Texas Ranch		

7.8. Users Setup

After the accounts has been set up, logins can be created to give access to other dealers, account admins or standard users. On the site setup menu page is the option to, edit, delete, and create new users.

O Users						
Users						Q Search Device
🕼 Edit 💾 Save 🗎 Delete 🕂 Nev	v 🔮 Association 🕂 Reser	nd User Activation				
Dealers	Accounts	Site				
PumpsWorks Industrial 🗸	DXP natpro	✓ None	*			
Users List	User Details					
٩	User Name					
Deon.Murphy						
eduardo.reyes	First Name *			R		
Julian.Rubio	Last Name					
MiguelGomez	Primary Email *					
	Secondary Email					
		Country	Phone			
	Mobile Phone	None 🗸	0			
	Fax					
	Comments					
	Approve Date					
	Language	None	~			
	Access Level *	DEM	~			
	Logger Default Page	Data View	~			

Is important to choose the correct Access Level that the created user will have as the accounts' user rights give specific permissions, including to administer other users, sites, or accounts.

Under the Association button, is the option, to attach a user access level to another Dealer or Account. This is possible only for Dealers and OEM granted levels accounts, so the same email address or logon to the system can be used to oversee multiple accounts or different vendors. It is preferable not to have the same user create multiple accounts for this purpose.

When the Association Button is clicked, the following box will appear and show the actual User Associations created for that account.



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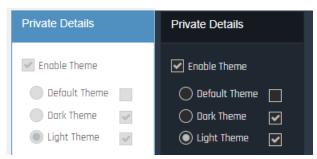
Associations		

When the even button is pressed the following box will appear, asking for the possible Dealers and Accounts the user associations have possible.

ser Association	S 🕑 Save					
ealer	Account					
PSI Savannah	✓ None	~		\searrow		
1 selected user		User Name	Oem	Dealer	Account	
Search users		BrandonH		PSI Savannah	DEMO/IP ROME	
Chip	Press enter to select					
BrandonH	Selected					
Rickey_Davis						
Ethan_Stonecipher						
Kevin_Hall						

It is possible to resend user activation email to any of the user listed under your account. This will re-enable the activation of the associated account in following button Resend User Activation

Also is possible to change the theme of the dashboard to be in the following background colors.



7.9. Internal Device Registration

Clicking on the Wizard.



a,	Device	Regist	tration
----	--------	--------	---------

Device Registration	
+ Register Device	
Device ID	
0	
Assign to	
~	

7.9.1. After writing the correct device ID of the device, check the possible accounts section to assign the data of the Account/Company where the device it's going to be activated will appear.

Device ID	Please verify the account data shown is correct				
33159	Account Display	DXP Sales Demo Inventory			
Assign to	Name				
DXP Sales Demo Inventory 🗙	Company/Customer Nome	DXP			

7.9.2. After pressing 🔁 Register Device and popup will appear asking for confirmation.

Device Registration request
Device 33159 will be registered to DXP Sales Demo Inventory, please confirm.
🖒 Continue 🗙 Cancel

7.9.3. After successful approval of the previous step, wait a couple of seconds for the device to populate correctly in the 'Navigation' tree on the left side of the screen. A prompt will also appear confirming that the subscription of the device was completed, with an optional link that can be clicked to go directly to your recently created device.

,	(i) Activating the sim card, please connect the device and wait for connection	
Congratulations. Your devi	ice subscription was completed, device 33159 is active now. Click here to go to your	device





💶 Axiall Corp
E Cooper Farms
💶 DXP I natpro
- 📕 DXP ALLENTOWN DEMO 3
📕 DXP Casper
- 📰 DXP Cincinnati
E DXP Sales Demo Inventory
📱 33159 GEN3 EG25

7.10. Device Management

Use this feature to move devices to the desired Inventory account so the devices can be registered accordingly. This is an easy tool that can be used to move devices in bulk from one inventory account to another. Only unregistered devices can be moved with this tool.

				() 33	Welcome, Miguel Gomez 🔻
				vice Registro wnload	ition
			⊥ De		
			II Ac		
			& Use	215	
s Inventor	y Devices	ĥ	< Device	e Manageme	nt
nos	Thu No	ov 30 2023	 Thema U Logo 		
У	Wed J	un 28 202	- 10g.		

The available devices and inventory accounts will then be shown.

Management > Inventory Devices			Q Search
Save			
		6	
Source	Destination	Source	Destination
Source Dealer	Destination Dealer	Showing all 2281	Empty list
PumpsWorks Industrial	✓ 529	✓ Filter	Filter
Source Account	Destination Account	$\rightarrow \rightarrow \rightarrow$	
Inventory	✓ Inventory	✓ 301215 GEN 3.5 EG25	
		301216 GEN 3.5 EG25	
		301217 GEN 3.5 EG25	
		301218 GEN 3.5 EG25	

Select the devices you want to move. The double arrow will move ALL devices. The single arrow will move only the selected devices to the desired destination.



1/07/2024

ource Destination			Source	Destination		
Source Dealer	Destination Dealer		Showing all 2278	Showing all 3		
PumpsWorks Industrial	✓ 529	~	Filter	Filter		
Source Account	Destination Account		$\rightarrow \rightarrow \rightarrow$	-		
Inventory	 Inventory 	~	301218 GEN 3.5 EG25	301215 GEN 3.5 EG25		
			301219 GEN 3.5 EG25	301216 GEN 3.5 EG25		
			301220 GEN 3.5 EG25	301217 GEN 3.5 EG25		
			301221 GEN 3.5 EG25			

When the devices are in the correct destination, press the button.

8. VIEW/SEARCH FOR DEVICES

There are multiple ways to search for a Device.

- From Condition Monitoring
- From the Map
- From the Activity Dashboard
- From the List
- From the Hierarchy Tree View (Left Side bar)
- By the Controller Name or ID in the search field
- 8.1. In this dashboard, information is presented in both bar and graphical way, which summarizes the status of the devices limited by the user's access level. There are checkboxes which can help to filter based on the user's needs.

Select View											
ct View > Condition Monitoring										Q s	earch Device
Include offline devices High Trend 0	 Attention High RMS 0 	RMS/Trend 0		reshold Setup <mark>2</mark> High Trend <mark>IIII</mark> Hig	Reports Setur					Search:	88
Normal 6	Battery Issue 0	ligh Temp 0	Status	Temperature	Device Name	DeviceID \$	Battery	Dealers 🗢	Accounts	◆ Last Comm 4	Subscription
All 6			0	2	32379 GEN3 EG25	32379		PumpsWorks Industrial	Inventory	Thu Nov 30 2023 11:05:0	0 Not Active
	Normal		0		32282 GEN3 EG25	32282		PumpsWorks Industrial	Inventory	Thu Apr 14 2022 11:25:14	Not Active
			0	~	32209 GEN3 EG25	32209		PumpsWorks Industrial	inventory	Thu Apr 14 2022 14:22:45	5 Not Active
			0	2	32102 GEN3 EG25	32102		PumpsWorks Industrial	Inventory	Thu Apr 08 2021 10:46:5	5 Not Active
			0		32101 GEN3 EG25	32101		PumpsWorks Industrial	Inventory	Thu Apr 08 2021 10:46:20	0 Not Active
			0		32100 GEN3 EG25	32100		PumpsWorks Industrial	Inventory	Thu Apr 08 2021 10:46:3	4 Not Active
			Showing 1 t	o 6 of 6 entries							

8.1.1. In below table, the List mode filter can be used to see the status, name of the device, the ID, battery, to which dealers, and type of accounts that the devices are registered to. Also, Last Communication with the server and the status of the subscription is displayed.



iormal 🗹	✓ Hij	gh Trend LIIII Hig	h RMS 📤 RMS/Tend	🕑 Uni	known						Search:	
tatus	¢	Temperature	Device Name	¢	DeviceID	¢	Battery	Dealers 🗢	Accounts	¢	Last Comm 🔺	Subscription
2			32101 GEN3 EG25		32101			PumpsWorks Industrial	Inventory		Thu Apr 08 2021 10:46:20	Not Active
2		~	32100 GEN3 EG25		32100			PumpsWorks Industrial	Inventory		Thu Apr 08 2021 10:46:34	Not Active
2		~	32102 GEN3 EG25		32102			PumpsWorks Industrial	Inventory		Thu Apr 08 2021 10:46:55	Not Active
2		~	32282 GEN3 EG25		32282			PumpsWorks Industrial	Inventory		Thu Apr 14 2022 11:25:14	Not Active
3			32209 GEN3 EG25		32209			PumpsWorks Industrial	Inventory		Thu Apr 14 2022 14:22:45	Not Active
2			32379 GEN3 EG25		32379			PumpsWorks Industrial	Inventory		Thu Nov 30 2023 11:05:00	Not Active

8.1.2. In the <u>Threshold Setup</u> tab it's possible to save the filter configuration and view all the devices selected in the monitoring thresholds. When the device wakes up it will update the Server Based Alerts using this information, and if an anomaly passes the configured thresholds, and alerts will be sent to the contacts people configured in the <u>Reports Setup</u>. These are Server Base alerts.

List T	hreshold Setu	p Reports Setup				
C Save	Configuration	? Help			\square	
Search:		Calculate on Save	Trendlin	ne Monitoring		onitoring
~	Device ID 🔶	Device Name 🗧 🗢	Days Back	90	X Threshold	0.2
~	32100	32100 GEN3 EG25	Change %	20	Y Threshold	0.2
~	32101	32101 GEN3 EG25			Z Threshold	0.2
	32101	32101 GEN3 E020			Readings	1
~	32102	32102 GEN3 EG25	\square			
~	32209	32209 GEN3 EG25	Battery	Monitoring	Tempera	ature Monitoring
~	32282	32282 GEN3 EG25	Days Back	8	Days Back	14
			Change %	-5	Threshold	120
~	32379	32379 GEN3 EG25	Threshold	4.5	Readings	3
Showing 1 t	o 6 of 6 entries6 r	ows selected	Readings	3		

8.1.3. In the <u>Reports Setup</u> it's possible to find users that are already assigned to the specific Alarms, configured as Server Based Alerts with the "Assigned Only" checkbox. In order to save any changes to the users' information the **Bound MUST** be pressed.



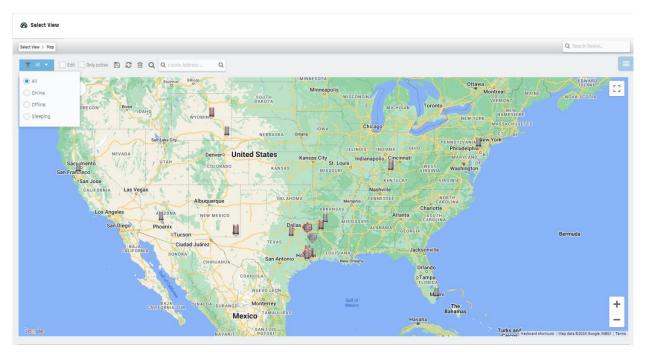
1/07/2	2024
--------	------

✓ Include offline devices Attention	List Thr	eshold Setup	Reports Setup	
High Trend 1 High RMS 2	Save	Filter	Assigned Only	
RMS/Trend 0 Normal 2	Miguel	Gomez	MiguelGomez	
😑 Battery Issue 0 🛛 😑 High Temp 0	Brian	Dortch	BrianDortch	
• All 5	Nick	Lindner	NickLindner	
	Paul	True	PaulTrue	
	Richard	Manns	RichardManns	
	Matt	Thomas	MattThomas	
	Brian	Gruber	BrianGruber	
	Bryan	Gruber	BryanGruber	
	Tim	Bacon	TimBacon	
	Drew	Evers	DrewEvers	
	Mike	Hendrix	mike.hendrix@deltaprocess.com	
	Operator	Operator	Laundry_Operator	
	Daniel	Torgerson	DanielTorgerson	
	DEMO	ALLENTOWN	DXP_SALES_DEMO_CM	
	Chris	Bond	ChrisBond	
	Bill	Dougherty	SuperBill	

8.2. The Map View.

When you log in, an interactive map appears on the main screen. If your devices have been registered, they will appear here. Hover your mouse over a controller to see the device ID and another pertinent information.

To select a device, click on the device icon.



There is also the possibility of filtering by "Online", "Offline" and "Sleeping" devices if needed.

T All T Edit 🗌 Only active 🖺 🞜 📾 📿 🔍 Cocate Address ... 🔍



8.2.1. The Edit Map

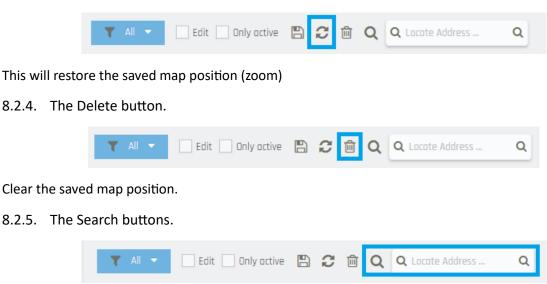
Edit/moves the device locations on the map, to do this, the checkbox must be checked.

8.2.2. The Save Button



Will save the zoom level on the map. This will set the view you want each time you log in.

8.2.3. The Refresh Button.



With the search button it is possible to look for the address of the devices, and the view will center in the device.

The Map and Satellite buttons will also switch the map views.

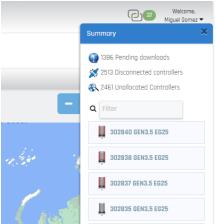
8.3. Placing Devices on the map.

OEM through Account Admin users can place devices/controllers on the map. To access this feature, click on the list icon below the search window.

From this list you can see devices with pending downloads, disconnected controllers, and unallocated devices.

		Welcome. Miguel Gomez •
鐙 Select View		
Select View > Mop		Q. Search Device
T Al - Edit Dinly octive 🖺 🕫 Q Q Locate Address Q		
Map Satellite	and the second sec	





8.4. Pending Downloads

Controller that has pending commands or communications that have not been completed.

8.5. Disconnected devices

Controllers that are not connected to the servers.

8.6. Unallocated devices

Devices that are not located on the map. A list of unallocated devices will be displayed if they have not been placed on the map.

8.7. Unallocated Devices

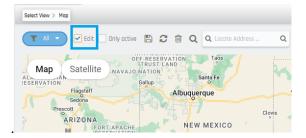
To place devices onto the map, have the map centered on the area that the device will be placed. This will give the most accuracy in the initial placement. The device can be moved after it has been placed.

Select the desired device from the list of unallocated devices (single click). The mouse will now display a plus sign when hovering over the map.

Place the plus sign in the map you want to place the device, then click. The device will now be placed on the map.

8.7.1. Edition Device/Controller Placement

To edit the device placement, you will need to check the edit box in the map options. Now you can move any device on the map by clicking and dragging the icon to the desired location. Once complete uncheck the edit box.



Note: It is best to have the mapped centered on the area where the controllers are located.

8.8. Activity Dashboard.



Select View	
Select View > Activity Doshboord	
AMI-Modbus	
LogSms Table	🛗 Day
DeviceID 🗢 Name 🗢 Count No data	•

8.9. List View

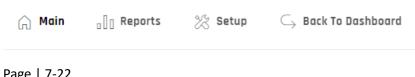
🚯 Select Vie	2W										
© Condition M	Monitoring								Q Sea	rch Device	
Activity Date	shboard										
🧕 Мар											0
≣_ List								Searc	:h:		
Status	Device Name	¢	DeviceID	¢	Dealers 🔶	Accounts	¢	Last Comm	¢	Subscriptio	in
ļ,	32426 GEN3 EG25		32426		PumpsWorks Industrial	Pump Works (GEN3)		Wed Apr 13 2022 15	:59:35	Not Active	
ļ.	33007 GEN3 EG25		33007		PumpsWorks Industrial	Pump Works (GEN3)		Mon Jan 24 2022 1	1:01:05	Not Active	
ļ.	32460 GEN3 EG25		32460		PumpsWorks Industrial	Pump Works (GEN3)		Wed Apr 20 2022 13	3:19:02	Not Active	

8.10. Hierarchy View

	5 29	🌇 Select View									
	📰 Dashboard demo	Select View > List							Q Se	arch Device	
	単 135 <3.6 12.13.22>										_
	📕 300608 Climate	Connecto	d Active					Searc	8		8
	🎻 🗍 301230 GEN 3.6 EG25		Device Nome	DeviceID	Dealers	♦ Account	ts 🗢	Last Comm		Subscription	_
	📙 32961 Climate	Щ	32964 Climate	32964	529	Dashbo	ard demo	Fri Apr 07 2023 14:01:58		Test Mode	
	📕 32964 Climate	Щ	32961 Climate	32961	529	Dashbo	ard demo	Sat Jun 17 2023 15:38:29		Test Mode	
	📕 HSL residence	Ц	301230 GEN 3.6 EG25	301230	529	Dashbo	ard demo	Mon Dec 04 2023 07:03:5	3	Active	

9. DEVICE TABS.

Each device contains 3 tabs to access information about the device or specific operational data.





9.1. Main

Contains specific content of the application the device is connected to.

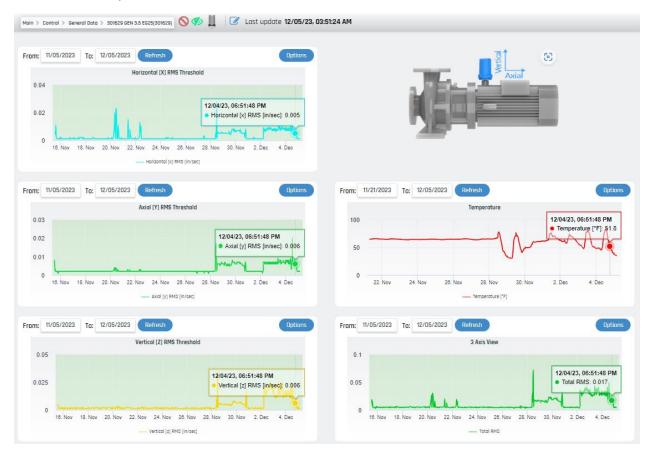
Main a∏ Reports	${ ightarrow}$ Setup $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
🛪 Control 🗸	֎ General Data I Cost update 12/04/23, 05:46:56 AM
11/15/23, 12:49:38 PM COHorizontal [x] RMS [in/sec]:	▲ Alerts
0	Configuration Nov 30 Nov 2. Dec 4. Dec
16. Nov 18. Nov 20.	Configuration Nov 30. Nov 2. Dec 4. Dec Installation Properties

The Control Tab has the following options:

- 9.1.1. Trending
- 9.1.2. Alerts
- 9.1.3. Full Waveform
- 9.1.4. Configuration
- 9.1.5. Installation Properties

9.2. General Data

Is where the main data appears. Pictured below is the dashboard off all the RMS Vibration Monitoring (Tri-Axial) plus the surface temperature.





All of the information in this dashboard can be customized. For the date range click in the arrow below and a popup will appear to easily select desired dates.

_		11/05	/2023	Т	o: 12/	/05/2	023	Ref	resh
		\bigcirc	No	v	~ 2	023	~	\odot	I [X] RMS TI
	0.0	Su	Мо	Tu	We	Th	Fr	Sa	
					1	2	3	4	
	0.0	5	6	7	8	9	10	11	
		12	13	14	15	16	17	18	
		19	20	21	22	23	24	25	4. Nov 28.
		26	27	28	29	30			ontal [x] RMS
Fro	m:	Toda	IУ						esh

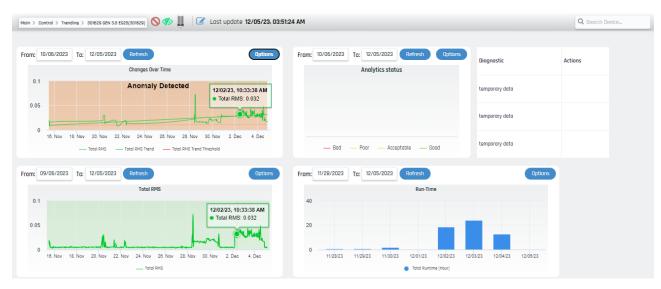
Also, for the plotting area it's possible to change the boundaries for each one of the channels. This is done by

pressing the options button in the upper right corner

From: 11/0	05/2023 To	12/05/2023	Refresh		Hide Options
Show P	oints 🗹 Sha	w Tooltip			
Lower:	0	Upper:	0.5	Show Boundaries	
			Horizontal [X] RMS	Threshold	=
0.032		- AL		12/03/23, 07:17:25 PM	
0	16. Nov 18. N	lov 20. Nov 2	22. Nov 24. Nov 2	28. Nov ²⁸ Horizontal ^(X) RMS	
			— Horizontal [X] RM	IS [in/sec]	

9.3. Trending –

Pictured here is the advanced AI of the <u>www.predict-cloud.com</u>, analyzes the data present, where the "Anomaly" has been detected has and relationship between the normal operation and the changes over time for the RMS Threshold that has been auto learned.



9.4. Alerts – Here is the place to add the Device Type Alert.



Main > Control > Alerts > 30162	9 GEN 3.5 EG25(301629)
Varning Event Setup	6
<u>wunning event betup</u>	C C
Parameter	Value
X Axis Warning Event	0.000
Y Axis Warning Event	0.000
Z Axis Warning Event	0.000
<u>Alarm Event Setup</u>	
Parameter	Value
X Axis Alarm Event	0.000
Y Axis Alarm Event	0.000
Z Axis Alarm Event	0.000
High Temperature Eve	ant Cotup
<u>nigir remperature eve</u>	ent setup
Parameter	Value
Temperature "F	73

9.4.1. Warning vs Alarm

The device can be set to send two levels of alerts for each axis and a single temperature alert. Alert levels can be adjusted on each axis based upon your application. The tighter the alerts settings will cause the device to wake-up more often and reduce battery life significantly. **DXP recommend using server alerts to prolong battery life**.

9.4.2. Warning

Default level is set to 0.5 in/sec. Vibration is detected as greater than or equal to this level and will create an alert.

This alert level should be less than the alarm level.

9.4.3. Alarm

Default level set to 0.8 in/sec Vibration detected as greater than or equal to this level and will send an alert.

This alert level should be greater than the warning level.

9.4.4. How to setup alerts

With your mouse, hover over the line in the grid for the alert level you want to set, then left click. In the pop-up you can change the level of the alert and select the users to receive the alerts. Make your selections and then click OK. The alert levels will be sent to the device on its next scheduled upload.

Main > Control > Alerts > 301629 GE	N 3.5 EG25(301629)	🋷 📗 🕼 Last update 05/26/23, 11:07:16 AM	Grid Alerts		X
<u>Warning Event Setup</u>	?		Properties	Edit	
Parameter	Value		Min Threshold	0.500 Select Users	
X Axis Warning Event	0.000 <				
Y Axis Warning Event	0.000			function of the second se	
Z Axis Warning Event	0.000		Min Alert text	X Axis Alert > 0.5 in/sec	
Alarm Event Setup			Max Threshold	0.000 Select Users	
Parameter	Value				
X Axis Alarm Event	0.000		Max Alert text		
Y Axis Alarm Event	0.000		Fight field cent		
Z Axis Alarm Event	0.000				
<u>High Temperature Event</u>	Setup				_
Parameter	Value			Ok Cancel	
Temperature "F	73				

Make sure that after choosing the Alerts based Threshold, the selected user's checkboxes are listed as seen in the image below and the button is pressed to save changes.

Page | 7-25 Rev. B



Select Users

User	@1	@ 2	SMS	Escalat	ion 1	Escalation 2		
ahardman@westlake.com				None	~	None	~	
BrianDortch	~			None	~	None	~	
bryan.white@pumpworks.com				None	~	None	~	
charles.harvey@pumpworks.com				None	~	None	~	
dave.schmitt				None	~	None	~	
dchapman2@westlake.com				None	~	None	~	

9.5. Full Waveform

Displayed here is the FFT (Fast Fourier Transform) spectrum that the device has uploaded to the cloud.

The Advanced FFT page display the harmonic orders of the equipment's operating frequency. Because these harmonic orders are tracked over time, a user can examine how vibration in different frequencies are changing, aiding in diagnosing faults as the begin to persist. Each axis is displayed individually for more accurate diagnosis. By default, the harmonic orders plotted are 1X, 2X, 3X, 4X, and 5X the operating frequency of the equipment.

The full waveform graph is showing the vibration amplitude [inch/sec]

For each axis (x/y <both redial> /z <axial>) in each frequency of the sampled data-array

•The device accelerometer samples the pump vibration @ 833Hz

•This sample takes about 2.5 seconds, and the data is stored in an array of 2048 readings for each axis

•From this array we calculate the following for each axis:

vRMS(type of average velocity) for each axis

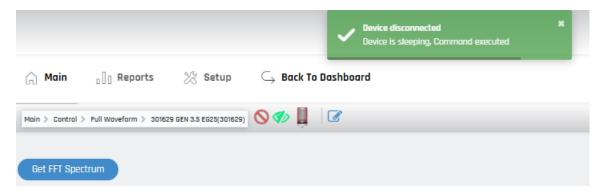
FFT data conversion: finds the specific velocity for each frequency 1.63Hz apart from 0..416Hz (The device updates the FFT array only when the pump is running to avoid useless data of a stalled pump.)



1/07/2024

PPT Spectrum	
Start Date: 11/04/2023 End Date: 12/04/2023	Start Date: 11/04/2023 End Date: 12/04/2023
Refresh	Refresh
Events 🚍	Events
Nov 18. Nov 20. Nov 22. Nov 24. Nov 26. Nov 28. Nov 30. Nov 2. Dec 4. Dec	16. Nov 18. Nov 20. Nov 22. Nov 24. Nov 26. Nov 28. Nov 30. Nov 2. Dec 4. Dec
Event Time: Dec. 04, 2023 3:56:06 pm	Event Time: Dec. 04, 2023 3:56:06 pm
ⁿ	.008
0 0 100 200 300 400 Hz.	0 100 200 300 400 Hz
- X αxis	🛶 Y axis
Start Date: 11/04/2023 End Date: 12/04/2023 Refresh 12/04/2023 12/04/2023 12/04/2023	
Events 🔳	
Nov 18. Nov 20. Nov 22. Nov 24. Nov 26. Nov 28. Nov 30. Nov 2. Dec 4. Dec	
Event Time: Dec. 04, 2023 3:56:06 pm	
0 100 200 300 400	

9.5.1. The button will send and request to the device. So when the device connects to upload the data, it'll also record and upload the FFT for all the axes to the server.



9.6. Configuration

Here the user can configure some parameters for the device.

9.6.1. Uploads

It is possible to adjust the quantity of automatic uploads of data to the server. Remember that changing this default parameters affects battery life and is subject to change, so it can no longer be certified with a 1-year life.



Main > Control)	Configu	ration > 3016	529 GEN 3.5 EI	G25(301629) 🚫 妚 📙	Cost update 12/05/23, 03:51:24 AM
Get Configur	ation	Sampl	le & Uplood	Upload All Logs	Connection Status: False
Parameter				Value	From: 11/27/2023 To: 12/05/2023 Refresh Options
pload #1				07:00 AM	
pload #2				04:00 PM	Battery [v]
aload #3				Not Used	5.4
aload #4				Not Used	
pload #5				Not Used	52 and 1 and 1
aload #6				Not Used	
aload #7				Not Used	5
pload #8				Not Used	V
AMPLE TIME				5 minutes	4.8 28. Nov 30. Nov 2. Dec 4. Dec
ump Run Logging				10 min. Run-Time logging	
ump Idle Logging			-	30min Idle Logging	— Battery [v]
				Save	
					Parameter Value Sav
					Full FFT upload enabled
arameter	Val				
ower Mode	Slee			_	
etup flags	End	bled+			
arameter		Value	Unit		
alc mode		TriAxis5			
untime X RMS T	hreshold	0.00800	Inch/sec		
untime Y RMS T	reshold	0.00800	Inch/sec		
untime Z RMS T		0.00800	Inch/sec		

9.6.2. Battery Graph

Also found on the Configuration page is the Battery Life graph and the setup for background filtering. Predict-Plus has a filtering feature that allows the device to disregard vibration coming from other equipment or feedback through the system. This is especially useful in situations where multiple assets are mounted in proximity or feeding into a common process. By setting these filters correctly, users get the most accurate data reported to the cloud.

Note: FFT full waveform data is used for data analytics to try and "feel" through the pump visible vRMS changes and kind of meaningless to the naked eye.

10. SETUP

This tab will give you access to basic diagnostic tools, device customization, and device specific notes.

X	Setup $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Back To	Dashboard
0	General		
$\overline{\Box}$	Ver&Comm		
<u>نې</u>	Firmware & Template	e	
¢	Service		
۶	Configuration	~	

10.1. General – This tab contains basic configuration of the device.

Page | 7-28 Rev. B



Setup > General > 301629 G	EN 3.5 EG25(301629) 🚫 🌮 📙	
🖺 Save 👂 Clear pend	ing messages	
ID	301629	
Name	301629 GEN 3.5 EG25	
Dealers	West Lake 🗸	
Accounts	Axiall Corp Site 🗸	
Site	Axiall Corp Site 🗸	
Time zone	GMT-06:00 Central Time (US & Canada) 🗸 🗸	
Day Light Saving	0 v 🖹 Set Clock	
Latitude		圃
Longitude		
User interface	Active 🗸	

- 10.1.1. **Deter pending messages** This button removes any messages marked as state 4 and state 5. Messages in other states may reappear.
- 10.1.2. In the latitude and longitude option it is easy to update the relative position of the device if required. Remember to press the Bove button so the changes take effect.
- 10.1.3. The ID number is unique for each device and can't be changed.
- 10.1.4. The name of the device can be changed up to 20 characters.
- 10.1.5. Dealer/Account Activated and Registered devices can be moved to different dealers and accounts from here. Select the desired Dealer and Account then click Sove. Allow 10 to 20 seconds for the device to move across the new Dealer/Account setup. This place is the only one for moving devices between Dealers/Accounts.
- 10.1.6. Time Zone Changes the time zone settings of the device. Select the desired time zone and click save. Wait for 20 seconds then click on Set Clock. This action will then send the Time zone desired to the device.
- 10.1.7. Daylight Savings Selects the current Daylight Savings settings of the device.
- **10.2.** Ver & Comm Displays current Firmware and Cellular module information.

	A Serv		Delay(Min) red 0	Text OfflineTriggered	
		Save ve Name			
		Save ve Name			
		ve Name			
	Acti				
		OfflineTriage			
		oincinigge			_
		OnlineTrigge	red	OnlineTriggered	
90587					
AM					

10.3. Firmware & Template – Displays current Firmware.



Setup > Firmware & Template > 3016	29 GEN 3.5 EG25(301629)) 🌮 📙		
Firmware version				
Available firmware : AMI_GEN3.6	FG_v39.104_r10.23-apk.bir	n (39.104) 🛛 📩		
Current firmware : 39.102				
Developer Code : 3.23				
Firmware transfer status				
DeviceID File N	lame T	ime	Progress	Status
301629				No firmware transfer in progress
Versions				
Firmware : BLUEGRASS-VIBE-M	IODBUS			
Modem : Quectel-EG25				
Board : VIBE_3.6_FG				
Service Plan : Standard				
template setup				
Gen3_X5_Imp_ALERTS_v10.30.23	3 🗸 🛨 Apply Last te	mplate applied: A	utomatic template Gen3_X	5_Imp_ALERTS_v11.22.22a initiated.

10.4. Service

Contains device history. This tab can also be used by service technicians to add notes to the device history.

Setup > Service	9 301629 GEN 3.5 EG25(301629) 🚫 🌮 📗 Last update 12/04/23, 05:46:56 AM	Q Search De	vice	
Free Text 🗸	+ Add			
Time Stamp	Description	Impersonated By	Edit	Delete
11/15/23, 11:58:09 AM	Device registration completed successfully. Device mode changed from provisioning to active. Next billing cycle date is 11/1/2026 12:00:00 AM . User - (Miguel Gomez)			
11/15/23, 11:58:05 AM	Register Proccess - Firmware skipped and Template application skipped.			
11/15/23, 11:58:05 AM	Device registration process was initiated by user Miguel Gomez. Device mode changed from inactive to provisioning			
11/15/23, 11:58:00 AM	Device registration updated, status: 1, User: MiguelGomez			
05/26/23, 11:06:54 AM	Automatic template Gen3_X5_Imp_ALERTS_v11.22.22a initiated.			
04/21/23, 12:08:09 PM	Automatic template GEN-3.6 TEST 3.28.23 initiated.			
04/21/23, 12:00:40 PM	Automatic template initiated.			

10.5. Configuration

10.5.1. Control Alerts

X	Setup $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Dashboard	
٨	General	Ц	
⊡	Ver&Comm		
٢	Firmware & Template		
¢	Service	Control Name	
ŗ	Configuration 🗸	Control Alerts	

The Alerts and Runtime page features an Alerts Setup table for Temperature and all 3 axes of RMS vibration as well as a Runtime bar graph and an RPM trend graph.

The Temperature alert can be set by clicking the Temperature field of the table which will open a setup window. Within that window the specific temperature to trigger an alert can be set. Each alarm can be set to notify specific



users on the account with two levels of escalation for each user. From the Alert Setup menu, users can be selected to receive minimum and maximum threshold notifications. From the Select Users menu, two levels of escalation can be set per user so long as SMS notifications are enabled. When the initial user receives a text notification, they will be given the option to acknowledge or escalate. Please note that in order for text alerts to function properly, the mobile number of the user must be preceded by a +1 country code.

In this tab are the control alerts, which are sent by the device itself when it happens to sense the assigned thresholds to the selected users and this alert can be "**Offline**" or "**Online**" Triggered.

etup > Configurati	ion > Control Alerts > 301629 GEN 3.5 EG25(3018	529) 🚫 🀠 📕						l	Q , Search I)evice
ontrols Alerts	Apply Users Assigned D	Inly	Users				Search:			
Assigned	Alert Text	Control Name	User	@ 1	@ 2	SMS	Escalation	11	Escalatio	in 2
	High Temperature	Temperature °F	ahardman@westlake.com				None	~	None	~
	X Axis Alert > 0.8 in/sec	X Axis Alarm Event	BrianDortch				None	~	None	~
	X Axis Alert > 0.5 in/sec	X Axis Warning Event	bryan.white@pumpworks.com				None	~	None	~
	Y Axis Alert > 0.8 in/sec	Y Axis Alarm Event	charles.harvey@pumpworks.com				None	~	None	~
	Y Axis Alert > 0.5 in/sec	Y Axis Warning Event			_					
	Z Axis Alert > 0.8 in/sec	Z Axis Alarm Event	dave.schmitt				None	~	None	~
	Z Axis Alert > 0.5 in/sec	Z Axis Warning Event	dchapman2@westlake.com				None	~	None	~
			Devin.jeter@westlake.com				None	~	None	~
erver Alerts	? 📤 Apply Users		DrewEvers				None	~	None	~
Assigned	Alert Text	ALert Name	ethan.wood@pumpworks.com				None	~	None	~
*	OfflineTriggered	Offline	jbradley@westlake.com				None	~	None	~
	OnlineTriggered	Online	justin.scruggs				None	~	None	~

10.5.2. Offline Triggered Alerts.

This type of alerts is sent from the <u>www.predict-cloud.com</u> after the uploads have been reached and is sent if the data in the device has surpassed the configured alarm thresholds in 3 consecutive readings made every 5 minutes. So, if as an example and X Axis Alert is more than >0.8 in/sec, the device will wait so that this threshold is reached 3 times (e.g. 1:00 pm, 1:05 pm and 1:10 pm) and at the configured upload time, it will send an email or and SMS to the people configured in the users.

User	@ 1	@ 2	SMS	Escalatio	in 1	Escalation 2		
ahardman@westlake.com	~			None	~	None	~	
BrianDortch			~	None	~	None	~	

Default configuration times are most used and can be changed via the tab. Under "Control" and "Configuration."



Main > Control > Configuration >	301629 GEN 3.5 EG25(301629) 🚫 🛷 📗	Last update 12/04/23, 03:16:07 PM
Get Configuration	Sample & Upload All Logs	Connection Status: False
Parameter	Value	From: 11/26/2023 To: 12/04/2023 Refresh Options
Upload #1	07:00 AM	
Upload #2	04:00 PM	Battery [v]
Upload #3	Not Used	5.4
Upload #4	Not Used	
Upload #5	Not Used	5.2
Upload #6	Not Used	
Upload #7	Not Used	5
Upload #8	Not Used	V
SAMPLE TIME	5 minutes	4.8 20. Nov 28. Nov 30. Nov 2. Dec 4. Dec
Pump Run Logging	10 min. Run-Time logging	26. Nov 28. Nov 30. Nov 2. Dec 4. Dec
Pump Idle Logging	30min Idle Logging	Bottery [v]

10.5.3. Online Triggered Alerts.

This type of alerts is sent directly from the device when the configured threshold is reached in 3 consecutive readings made every 5 minutes. So, for example if and X Axis Alert is more than >0.8 in/sec, the device will wait for this threshold to reach 3 times and then (e.g. 1:00 pm, 1:05 pm and 1:10 pm) send an email or and SMS to the people configured in the users. This alert is enabled on the device. Remember that this kind of alerts is battery consuming and can decrease the life expectancy of the installed batteries if the values are not configured correctly for the application.

Users				Search:			
User	@1	@ 2	SMS	Escalation	11	Escalatio	on 2
ahardman@westlake.com	~			None	~	None	~
BrianDortch			~	None	۲	None	~

10.5.4. Server Alerts.

Clicking on the alert row it is possible to see the selected alert for the current users. Clicking on the header row resets the selection.

Server Alerts	Apply Users	
Assigned	Click on alert row to see selected alert current users	ALert Name
*	Click on header row to reset	Offline
*	OnlineTriggered	Online

10.5.5. Control Alerts.

Clicking on the control alert header row resets the selection.



1/07/2024

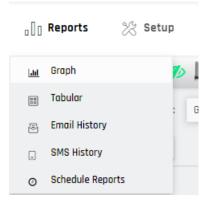
Controls Alerts	?	Apply Users Assigned Only	
Assigned	Aler	t Text	Control Name
	High	Temperature	Temperature °F
[X Ax	is Alert > 0.8 in/sec	X Axis Alarm Event
	X Ax	is Alert > 0.5 in/sec	X Axis Warning Event
	Y Ax	is Alert > 0.8 in/sec	Y Axis Alarm Event
	Y Ax	is Alert > 0.5 in/sec	Y Axis Warning Event
	Z Ax	is Alert > 0.8 in/sec	Z Axis Alarm Event
	Z Ax	is Alert > 0.5 in/sec	Z Axis Warning Event

When the options "OfflineTriggered" or "OnlineTriggered" tab are clicked, the background color of the section will change to a darker color (Gray for the light theme)/ The user tab is used to check the associated users with their respective email or SMS configuration.

Server Alerts	Apply Users	
Assigned	Alert Text	ALert Name
*	OfflineTriggered	Offline
*	OnlineTriggered	Online

11.REPORTS

There are various reports based upon the variables of your application. With the reports tab there are 5 different reports.



11.1. Graph

Linear or accumulative graphs defined from the tabs under Main. These graphs are exportable to multiple formats.



1/07/2024

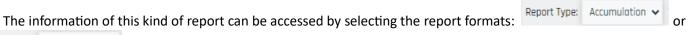


11.2. Tabular

Tabular data from all trended values are defined on the tabs under Main. These values are exportable to multiple formats.

Source Source	e Type: Generic Data 🗸 Re	port Type: Acc	cumulation 🗸	Time Period:	Daily	 Report Value: 	Total Runti	ne (Hou	r] 🔻	
tart Date 11/27/20	23 End Date 12/04/2023									
show 25 🗸	entries						9	x	ß	e
Time	Total Runtime (Hou	ur]								
12/04/23	12.5									
12/03/23	24.1									
12/02/23	18.5									
12/01/23	0.0									
11/30/23	1.7									
11/29/23	0.6									
11/28/23	0.8									
10/20/20										

For this example, the device has calculated that the pump has been running various times for multiple days.



Report Type: Linear Y filter options.



1/07/2024

eports > Tabular > 301629	GEN 3.5 EG25(301629)	○ ≪ Ц				
Generate Source Typ	oe: Generic Data 🗸 R	eport Type: Linea	Report Value: All	(6) 🗸		
tart Date 11/27/2023	End Date 12/04/202	3				
how 25 🔹 entr	ies					
Time	Axial [y] RMS [in/s	ec] Battery (v) ♦ ♦	Horizontal [x] RMS [in/sec] \$	Temperature ('F) \$	Total RMS ¢	Vertical [z] RMS [in/sec] \$
12/04/23, 03:16:07 PM	0.007	5.21	0.006	71.8	0.019	0.006
12/04/23, 03:06:09 PM	0.007	5.21	0.006	83.6	0.019	0.006
12/04/23, 02:16:10 PM	0.007	5.21	0.008	82.9	0.022	0.007
12/04/23, 02:06:11 PM	0.007	5.21	0.006	83.6	0.019	0.006
12/04/23, 01:06:13 PM	0.009	5.20	0.010	81.9	0.04	0.021

11.3. Email History

This report will log emails sent to the primary and/or secondary emails that are assigned to receive alerts from the device. The report can be created multiple formats.

Reports > Email History >	301229 GEN 3.6 EG25(30122	29) 🚫 📕				Q Search	Device	
▶ Generate) Start Da	te 06/01/2023 End	d Date 12/04/2023						
Show 25 🗸 en	tries					9		Ð
Message Time 🔶	Delivered Time 🗢	To Address 🔶	Subject	\$	Text Part			
10/03/23, 09:41:31 PM	10/03/23, 09:41:31 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] X Axis Ale	ert > 0.5 in/sec at 10/3/2023 10:41:28 PM	301229 GEN 3.6 EG25 (301229) X /	Axis Alert >	0.5 in/sec	: at 10/3/2023
10/03/23, 09:41:31 PM	10/03/23, 09:41:31 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] Y Axis Ale	ert > 0.5 in/sec at 10/3/2023 10:41:28 PM	301229 GEN 3.6 EG25 (301229) Y A	Axis Alert >	0.5 in/sec	: at 10/3/2023
10/03/23, 09:41:33 PM	10/03/23, 09:41:33 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] X Axis Ale	ert > 0.8 in/sec at 10/3/2023 10:41:28 PM	301229 GEN 3.6 EG25 (301229) X /	Axis Alert >	0.8 in/sec	: at 10/3/2023
10/03/23, 09:41:33 PM	10/03/23, 09:41:33 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] Z Axis Ale	ert > 0.5 in/sec at 10/3/2023 10:41:28 PM	301229 GEN 3.6 EG25 (301229) Z A	Axis Alert >	0.5 in/sec	at 10/3/2023
10/03/23, 09:41:36 PM	10/03/23, 09:41:36 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] Z Axis Ale	ert > 0.8 in/sec at 10/3/2023 10:41:28 PM	301229 GEN 3.6 EG25 (301229) Z A	Axis Alert >	0.8 in/sec	: at 10/3/2023
10/03/23, 05:22:29 PM	10/03/23, 05:22:29 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] Z Axis Ale	ert > 0.5 in/sec at 10/3/2023 7:22:27 PM	301229 GEN 3.6 EG25 (301229) Z A	Axis Alert >	0.5 in/sec	at 10/3/2023
10/03/23, 05:22:31 PM	10/03/23, 05:22:31 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] X Axis Ale	ert > 0.5 in/sec at 10/3/2023 7:22:27 PM	301229 GEN 3.6 EG25 (301229) X A	Axis Alert >	0.5 in/sec	: at 10/3/2023
10/03/23, 05:22:31 PM	10/03/23, 05:22:31 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] X Axis Ale	ert > 0.8 in/sec at 10/3/2023 7:22:27 PM	301229 GEN 3.6 EG25 (301229) X A	Axis Alert >	0.8 in/sec	: at 10/3/2023
10/03/23, 05:22:33 PM	10/03/23, 05:22:33 PM	miguel.gomez@dxpe.com	301229 GEN 3.6 EG25 [301229] Y Axis Ale	ert > 0.5 in/sec at 10/3/2023 7:22:27 PM	301229 GEN 3.6 EG25 (301229) Y A	Axis Alert >	0.5 in/sec	at 10/3/2023

11.4. SMS History

This report will log SMS/Text messages sent to the mobile number of the users assigned to receive alerts from the device. The report can be created multiple formats.

11.5. Schedule Reports

The scheduled report will show the already configured reports and the order will start a wizard with the following steps.

orts > Schedule Reports >	301629 GEN 3.5 EG25(3016	29) 🚫 妚 📙			
Schedule Repo	orts				Add Report
Report Name	(2) Period	Publish At	Edit	Users	Delete
2	Daily	12 PM	C Edit	😁 Edit Users	💼 Delete
3	Daily	12 PM	C Edit	😁 Edit Users	💼 Delete



1/07/2024

11.5.1. Report Name

It is important that the Report Name matches the plant, or the location of the device so that it is easy to track the information provided by each report.

Report Detoils	Report Items	Summary
Report Name	Report Nome	
Period	Monthly 🗸	
Publish On 1	Time 10 PM	
		Next

Here the user can set the period of the report by, Day, Week or Month.

	_	Monthly	~
	Publish On	Daily Weekly Monthly	
After pressing	Next	the following step of the wizard will appear.	
	Report Det		
	Item Name		Summary
	Table / Graph	🔿 Table 💿 Graph	
	Source Type	Generic Data 🗸	
	Graph Type	Accumulation 🗸	
	Graph Value	Total Runtime (Haur) 👻	
	Time Period	Hourly	
		Add Report Item	
	Item Name 🖉 🖉 Back	eport Type Data Type Data Point	Next

Page | 7-36 Rev. B



It is important that every report has a unique name, to ensure easy analysis of the information and to avoid confusion between reports.

Also, after choosing the type of the information in the report, the Table/Graph is required to choose the source type of the data. This can be Points or Generic Data, and when the Graph type is selected there are two different options which are "Accumulation" or "Linear". When all the required conditions of the report are set click

Add 1	Report Item		button	and the foll	owing dialog box will ap	pear:
		Time	Period Hou	urly		*
					Add Report Item	
	Ite	m Name	Report Type	Data Type	Data Point	
	5.1		Graph	Linear	["Acceptable", "Bad", "Good", "Poor"]	🗊 Delete
	5.2		Graph	Accumulation	["Axial [y] RMS [in/sec]", "Battery [v]", "Horizontal [x] RMS [in/sec]", "Temperature [°F]", "Total RMS", "Vertical [z] RMS [in/sec]"]	Delete
After making su	e that	the rep	ort has the re	quired infor	mation the Next	butto
The wizard will e	end wit	h a sun	nmary of the i	report:		

Report Details	Report Items	Summary 8
Report Summary Name: 5 Execute: Every day of the week at 9 AM		
Back		Finish

12. FAQ

Page | 7-37 Rev. B



- Q: How do I set upload times, sample rate, and power mode? A: These settings are set to a default and should not be adjusted without consulting DXP. When these defaults are changed, the battery life is reduced significantly below 1 year.
- Q: How to reduce vibration noise from surrounding equipment? A: Predict-Plus has a filtering feature in the configuration tab that allows the device to disregard vibration coming from other equipment or feedback through the system. This is especially useful in situation where multiple assets are mounted in proximity or feeding into a common process.
- Q: When do I see if a status is received? A: When one of the devices is sending data to the cloud it will change the status to green. Once data is received by the cloud the device will go back to sleep and the icon will turn grey again.

🌮 Select V	iew												
Select View > List								Q Search Device.)evice		
						\searrow			8	X	ß	₽	
Conn	ected	Active							Search:				
Status	¢	Device Name	¢	DeviceID	¢	Dealers	Accounts	¢	Last Comm	\$ s	ubscript	ion	
Ļ		301270 GEN 3.5 EG25		301270		JBS-Tolleson	JBS Demos		Thu Nov 30 2023 08:45:05	А	ctive		
Щ		301746 GEN 3.5 EG25		301746		PumpsWorks Industrial	Inventory		Wed Jun 28 2023 10:41:42	N	ot Active		

o Icon Set. The following icons will change in the dashboard depending of the actual state

