

WATCHMAN RELIABILITY PORTAL™

QUICK START GUIDE





Az AZIMA DLI hivatalos magyarországi képviselőjét a Delta-3N Kft. látja el.
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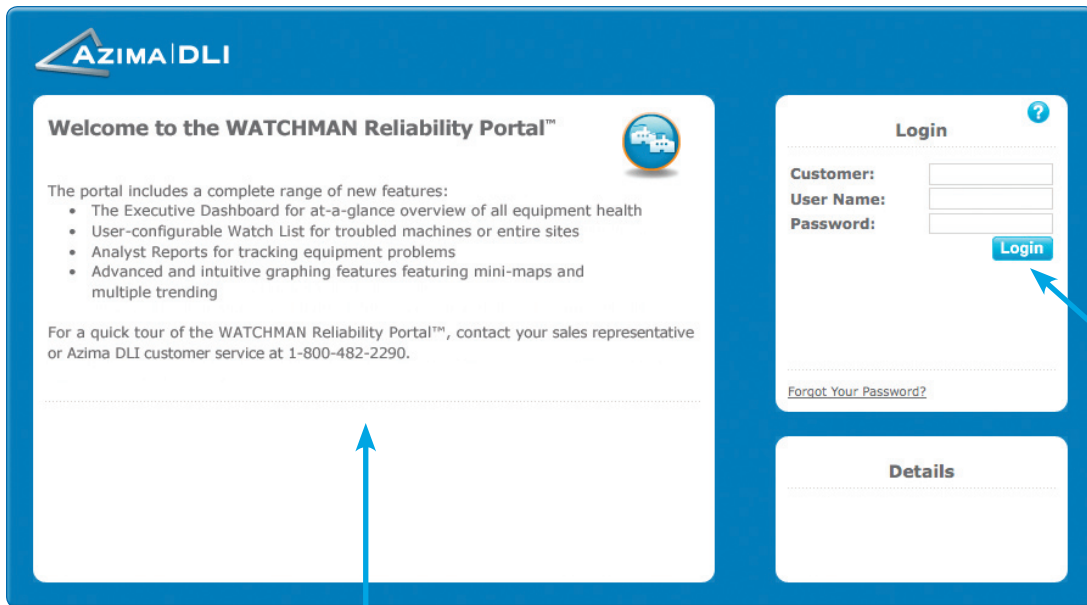


WATCHMAN RELIABILITY PORTAL™

The WATCHMAN Reliability Portal™ provides secure access to all of your essential equipment condition information over the web. This interactive interface features an innovative dashboard that includes a watch list of high-risk machines and access to analyst reports and repair recommendations. It also serves as a portal for your plant personnel to upload collected data. The portal provides an overview of all your equipment condition, whether it's at a single plant, across a region or your whole enterprise. A sustainable set of solutions is tailored to your condition monitoring requirements and guaranteed to deliver actionable maintenance advice.

LOGGING IN

Point your web browser to <https://secure.azimainc.com>  Because the **WATCHMAN** Reliability Portal™ is secure, its URL begins with **https**.



Fill in the fields and click **Login** to enter the portal.

View important updates and information in the **Message Center** area.

UNDERSTANDING THE DASHBOARD

Choose the level at which you see **in-depth equipment information.**

Specify your own **user preferences.**

Quickly link to **detailed analyst reports.**

Track any five **critical assets.**

Your Company

Site Building System Machine Sensor

Help Preferences Logout

Alerts Reports

Open Reports

Alerts (12)
Analyst Report (7)

Your Logo

Service Type: Hybrid
Access Expires: Feb. 21, 2009

Machine State

State	Count	Pct.
Green	1	8%
Yellow	2	15%
Red	0	0%
Black	10	77%

Machine Action

Action	Count	Pct.
None	9	69%
30 days	2	15%
Immed.	1	8%
ASAP	1	8%

Watch List

Sensor: IDA FIA
Value: 0.017 ips
States: [Green bar]
Jul-16 15:29 GMT

Machine: MFP
Action: ASAP
States: [Yellow bar]
Jul-17 02:37 GMT

Sensor: GIA
Value: 0.156 ips
States: [Red bar]
Jul-16 09:53 GMT

Machine: Turbine
Action: None
States: [Green bar]
Jul-17 03:40 GMT

System: ABoiler
Actions: [Color bar]
States: [Green bar]
Jul-17 15:44 GMT

Get an overall view of **equipment health.**





See the **actions recommended** by Azima DLI.

Az AZIMA DLI hivatalos magyarországi képviselőt a Delta-3N Kft. látja el.

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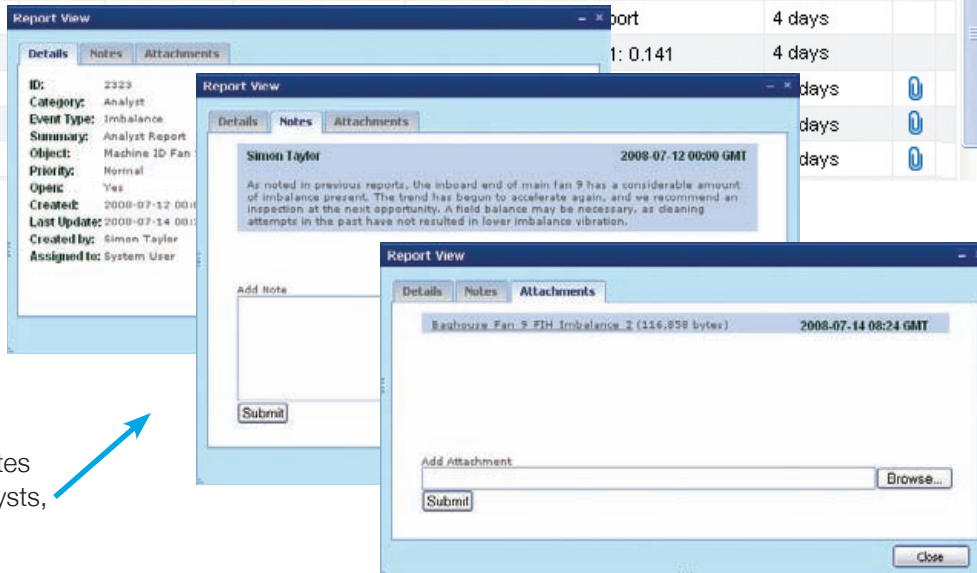
VIEWING REPORTS

1 From any page in the **WATCHMAN** Reliability Portal™, click 

Report	Object	Name	Open	Category	Event	Priority	Summary	Age		
2328	Machine	MSAC 3	Yes	Alert	Looseness	Normal	MIH overall 1: 0.242	2 days		
2327	Machine	MSAC 3	Yes	Analyst	Looseness	Normal	Analyst Report	3 days		
2326	Machine	DP 2 C...						4 days		
2325	Machine	MSAC 3					1: 0.141	4 days		
2324	Machine	ID Fan 1						days		
2323	Machine	ID Fan 9						days		
2322	Machine	603G						days		

2 Click a **report number** to see information about a particular report.

3 Use the tabs to see details, notes written by your Azima DLI analysts, and supporting attachments.



The screenshot displays the 'Report View' interface for report 2323. It features three tabs: 'Details', 'Notes', and 'Attachments'. The 'Details' tab is active, showing the following information:

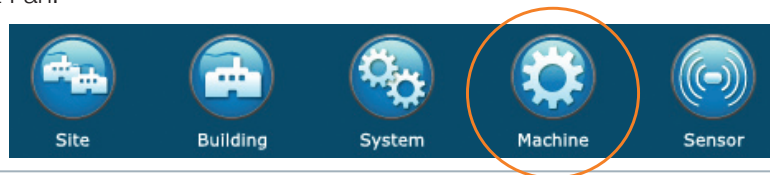
- ID:** 2323
- Category:** Analyst
- Event Type:** Imbalance
- Summary:** Analyst Report
- Object:** Machine ID Fan 9
- Priority:** Normal
- Open:** Yes
- Created:** 2008-07-12 00:00 GMT
- Last Update:** 2008-07-14 08:24 GMT
- Created by:** Simon Taylor
- Assigned to:** System User

The 'Notes' tab is also visible, showing a note by Simon Taylor dated 2008-07-12 00:00 GMT. The note text reads: "As noted in previous reports, the inboard end of main fan 9 has a considerable amount of imbalance present. The trend has begun to accelerate again, and we recommend an inspection at the next opportunity. A field balance may be necessary, as cleaning attempts in the past have not resulted in lower imbalance vibration."

The 'Attachments' tab is also visible, showing an attachment titled "Rebalance Fan 9 FIH Imbalance 2 (116,958 bytes)" dated 2008-07-14 08:24 GMT. Below the attachment list, there is a section for adding attachments, including a text input field, a 'Browse...' button, and a 'Submit' button.

The icons at the top of every **WATCHMAN™** portal page are entry points for finding **detailed information about your equipment**. Follow these steps to view a spectrum graph of the output from a sensor collecting data from the Motor Inboard Horizontal on an Induced Draft Fan:

- 1 Click **Machine** to see a list of all of your monitored machines.



- 2 Click **IDA** to see details about Induced Draft Fan A.

Machine	System	Building	Site	Description	State	Action	Action Date	Collection	Last Report
IDA	ASaber	B1	Harver	Forced Draft Fan A1	🟢	30 days	2008-01-21	Automated	-
IDA	ASaber	B1	Harver	Induced Draft Fan A	🟡	Immed.	2007-10-02	Automated	-
ASAP	ASaber	B2	Harver	Main Feed Pump11	🟢	ASAP	2008-01-18	Automated	-
Holding Hoist	ASaber	B2	Harver	Holding Hoist	🟢	None	2008-01-04	Manual	-
IDA	ASaber	B2	Harver	Forced Draft Fan B	🟢	None	2008-01-10	Automated	-
FP-MACH	ASaber	1 Harver	Harver	FP-MACH	🟢	None	2007-10-10	Automated	-
IDA	ASaber	1 Harver	Harver	Induced Draft Fan B_1	🔴	ASAP	2008-09-10	Automated	-

- 3 Click **MIH** to see a list of the available graphs for the Motor Inboard Horizontal accelerometer.

Important information about the machine is organized on tabs.

Sensor	Description	Type	State	Last Update
DTD	Duct Temp Disch	Volts	🟢	2008-05-01 12:02 GMT
FIH	Fan IB Horizontal	Accel	🟢	2008-05-01 12:02 GMT
FOH	Fan OB Horizontal	Accel	🟡	2008-05-01 12:02 GMT
MIH	Motor IB Horizontal	Accel	🟡	2008-05-01 12:02 GMT
MOH	Motor OB Horizontal	Accel	🟢	2008-05-01 12:02 GMT
Scalar 5	Scalar 5	Volts	🟢	2008-05-01 12:02 GMT

These are the sensors collecting data from Induced Draft Fan A.

NAVIGATING THE PORTAL (CONT.)

- 4 Select the **Graph** check box for the **Spectrum**, then click the **Standard Graphing** icon.



Standard



Interactive



Multi-Graph

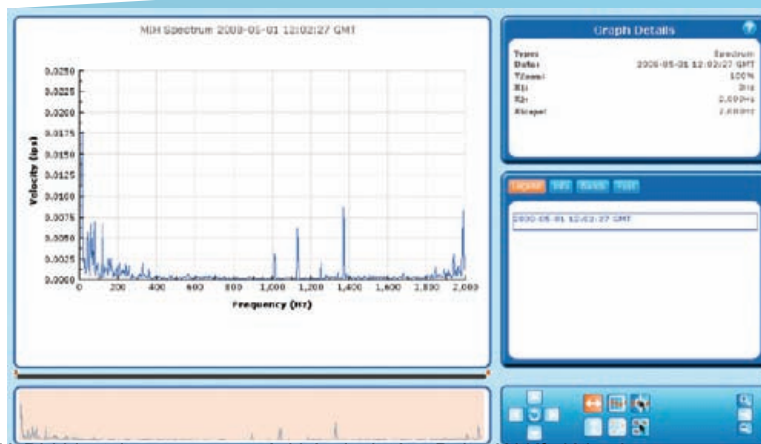
There are three types of graphing interfaces:

Result:


The resulting **Spectrum Graph** for sensor MIH on Induced Draft Fan A appears.

Graph	Type	Value	Last Update	State
<input type="checkbox"/>	Overall	0.030 ips	2008-05-01 12:02 GMT	●
<input checked="" type="checkbox"/>	Spectrum	ips	2008-05-01 12:02 GMT	-
<input type="checkbox"/>	Timewave	g	2008-05-01 12:02 GMT	-
<input type="checkbox"/>	Maxpeak	3.00 g	2008-05-01 12:02 GMT	●
<input type="checkbox"/>	Band SubSynch	0.019 ips	2008-05-01 12:02 GMT	●
<input type="checkbox"/>	Band Loosness/Bearing	0.017 ips	2008-05-01 12:02 GMT	●
<input type="checkbox"/>	Band HF/Rotor Bar	0.016 ips	2008-05-01 12:02 GMT	●

Page 1 of 1



If you have the **WATCHMAN** Analysis™ service, manual data collectors can easily transfer route definition files (.RDF) and route data files (.RDT) via the WATCHMAN™ portal.

- 1 Click  from any WATCHMAN portal page, then click the **Definition arrow** for the route whose .RDF file you want to download to your computer.

Route	Description	Last Collection	Next Collection	Due In	State	Collector	Analyst	Definition	Data
#3 TISS	#3 TISSUE MACH	2008-04-15	2008-05-15	3 days	●	KP	KP	↓	↑
LBA	LBA	2008-04-15	2008-05-15	3 days	●	JD	JD	↓	↑
BAGHOUS	BAGHOUSE_MAN	2008-04-03	2008-05-13	-1 days	●	KP	KP	↓	↑
BILLET	BILLET PREP	2008-04-10	2008-05-15	3 days	●	JD	JD	↓	↑

- 2 Load the .RDF file on to your data collection unit using AMS Machinery Manager Data Transfer software.

- 3 Collect data along your route.


- 4 Transfer the collected data from your unit to your computer using AMS Machinery Manager Data Transfer software.

- 5 Upload the .RDT file from your computer to Azima DLI for analysis via the WATCHMAN portal. This time, click the **Data arrow** to upload the file.

Route	Description	Last Collection	Next Collection	Due In	State	Collector	Analyst	Definition	Data
#3 TISS	#3 TISSUE MACH	2008-04-15	2008-05-15	3 days	●	KP	KP	↓	↑
LBA	LBA	2008-04-15	2008-05-15	3 days	●	JD	JD	↓	↑
BAGHOUS	BAGHOUSE_MAN	2008-04-03	2008-05-13	-1 days	●	KP	KP	↓	↑
BILLET	BILLET PREP	2008-04-10	2008-05-15	3 days	●	JD	JD	↓	↑

NEED HELP?

Need help with the Azima DLI WATCHMAN Reliability Portal™?

- Click  on any WATCHMAN™ portal page for context-sensitive information and access to Azima DLI's searchable online help.
- Contact Azima DLI customer service at 800-482-2290.

Have additional equipment issues?

We offer a variety of services to enhance your reliability program in the areas of:

- Vibration
- Thermography
- Lube oil analysis
- Motor and battery testing
- Reciprocating compressor monitoring
- Balancing, alignment, and other advanced services

For more information, contact your Azima DLI sales representative at 800-482-2290.

If you have questions about **WATCHMAN** Reliability Portal™ or any other products and services please call Technical Support at **1.800.654.2844** or email **support@AzimaDLI.com**.

WATCHMAN™ Reliability Services

WATCHMAN Analysis™ - Machine diagnostic services performed by Azima DLI expert analysts on data collected by onsite technicians

WATCHMAN Remote™ - Online machine remote monitoring services by Azima DLI expert analysts

WATCHMAN Onsite™ - Specialty onsite and engineering services for machine reliability and fault troubleshooting

WATCHMAN Reliability Portal™ - Our advanced web portal that connects your plant's staff and data collection technicians with Azima DLI program managers, expert analysts and engineers

ALERT™ Reliability Software

ExpertALERT™ - Automated diagnostic and vibration analysis software system

StandardALERT™ - Vibration analysis software system

ViewALERT™ - ALERT analysis system viewing software

ALERT Online System - Online monitoring automation software for ExpertALERT

ALERT Real Time Analyzer - Advanced analysis software for DCX and DCA-60

ALERT Multiplane Balance - Multi-plane, multi-speed machine rotor balancing software for DCX and DCA-60

Vibration Data Collectors & Analyzers

DCX™ - Hardened Windows XP tablet PC, four channel expert diagnostic data collector, balancer and real time analyzer

DCA-60™ - Hardened Windows XP tablet PC, four channel data collector, balancer and real time analyzer

DCA-31™ - Vibration Data Collector / Real Time Analyzer

Online Monitoring Systems

SpriteMAX™ - 16 to 512 channel expert automated online monitoring system

Sprite 1600™ - 16 channel remote monitor*

Sprite 400™ - 4 channel remote monitor*

Sprite Roamer™ - 16 channel portable remote monitor*

* Requires WATCHMAN Remote service program



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