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Lift Truck Impact Monitoring

User Guide

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General

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Contents

Introduction	4
Login Procedure.....	4
The Bolero Wireless Portal.....	6
The Events Button	7
Departmental Event Filters	8
Equipment Event Filters	10
Filtering by Start and End Date of Event.....	11
Going back (x) Number of Days.....	12
Exporting Data.....	13
The Paginate Bar	14
The Equipment Button	15
Editing an Equipment Record.....	16
Equipment Maintenance Common Functions	17
Equipment Maintenance Edit Area	18
To Update the Equipment Name	19
To Update the Department Name.....	19
The Departments Button.....	20
Common Functions	20
Editing a Department Record	21
Adding a New Department.....	22
Deleting a Department Record	22
The Accounts Button.....	23
Updating an Account Record.....	24
The Preferences Page	25
Messages and Alerts Screen.....	26
The Custom Labels Screen	28
The Logo Screen.....	29
Configuring the Website Logo	30
The User Information Screen.....	31
Changing the User Password	32

Introduction

Welcome to the Bolero Wireless Impact Monitoring website. This document will teach you the steps you need to perform to use the Bolero Wireless Impact Monitoring website. It is recommended that for best user experience, that Microsoft Internet Explorer (IE) version 8 or greater is used to explore the website. The latest version of IE can be found here:

<http://windows.microsoft.com/en-CA/internet-explorer/downloads/ie-9/worldwide-languages>

This user manual will show you the steps you will need to take to perform certain actions in the website from Logging into the Impact Monitoring Website to exporting data by department.

Login Procedure

1. To Login into the Impact Monitoring Web portal, point your browser to www.skidweigh.com and click on the image with the computer keyboard.

SkidWeigh®

IVDT
INTEGRATED VISUAL DATA TECHNOLOGY INC.

AUTOMATIC ON BOARD CHECK WEIGHING AND OVERLOAD SAFETY SYSTEMS FOR FORKLIFTS

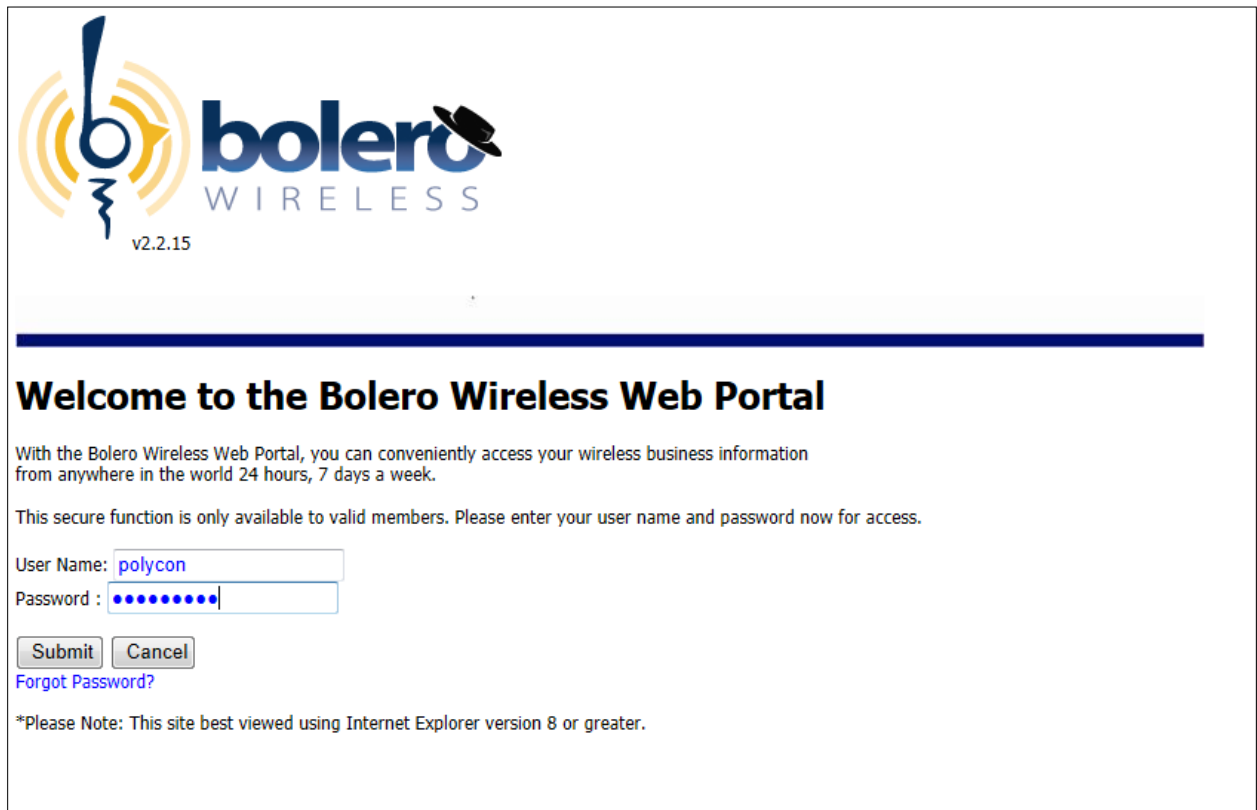
Integrated Visual Data Technology Inc. is the manufacturer of the most comprehensive line of heavy duty lift truck on-board check weighing systems, vehicle utilization recording and overload control systems for material handling vehicles . All SkidWeigh units operate on the electronic pressure transducer mounted in the hydraulic lift system of the material handling vehicle and can be easily installed by the lift truck technician. All of the on-board check weighing systems can be purchased through your local Lift Truck Dealer in the USA, Mexico, Canada and from IVDT Inc. The OEM Division offers dashboard installed ED-Series as a part of it's product range. For suppliers of the SkidWeigh products in other countries, please contact: info@skidweigh.com

To login to your SkidWeigh web based reporting fleet user account: "click on the picture above"

Copyright © Integrated Visual Data Technology Inc. Toronto, Ontario, Canada :: Designs by [Creative skills](#)

Figure 1 – IVDT SkidWeigh Website

2. After clicking on the image, the following screen will be displayed
(Example shown as Polycon User Name)



bolero
WIRELESS
v2.2.15

Welcome to the Bolero Wireless Web Portal

With the Bolero Wireless Web Portal, you can conveniently access your wireless business information from anywhere in the world 24 hours, 7 days a week.

This secure function is only available to valid members. Please enter your user name and password now for access.

User Name:

Password :

[Forgot Password?](#)

*Please Note: This site best viewed using Internet Explorer version 8 or greater.

Figure 2 – Bolero Login Page

3. Enter the User Name and Password in the login fields and click on the Submit button or press the Enter key (see Figure 2 above). The Polycon user name is **Polycon**, the password has been provided to your user representative. Please consult this person for more information.

The Bolero Wireless Portal

(Example Magna/Polycon Manufacturing Plant)

Each screen in the Bolero Wireless Impact Monitoring Website will contain a common set of buttons and links at the top of the page that can be used to navigate to the various functions in the website. This area is known as the common function bar and is shown here:

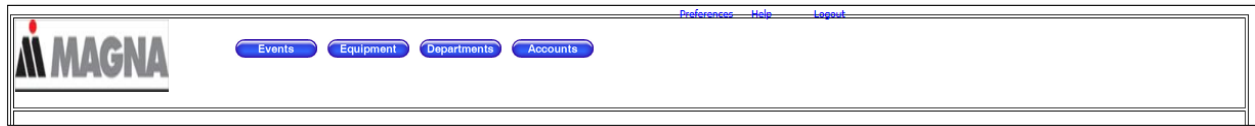


Figure 3 – Common Function Bar

The various functions available to the user on this screen are as follows:

The Events Button

Click on this button to display the impact event records generated in the last 7 calendar days. See the Events Button section later on in this document for further information.

The Equipment Button

Clicking on the Equipment Button will display all the equipment (lift trucks) that have been configured in the website. See the Equipment Button section later on in this document for further information.

The Department Button

Click on the Department Button to display a list of the various departments configured in the website. New departments can also be created using this function. See the Department Button section later on in this document for further information.

The Accounts Button

Click on this button to display a list of the various accounts configured in the software. See the Accounts Button section later on in this document for further information.

The Preferences Link (top right corner)

When clicking on the Preferences link, various website configuration items can be accessed including the website message to be displayed when an impact is detected and where email messages should be sent. See the Preferences section later on in this document for further information.

The Help Link

The Help Link shows various videos on how to use an assortment of the functions available in the various Bolero Wireless configurations.

The Logout Link

Click on the Logout Link when you are finished using the Bolero Wireless website. This will ensure that all sessions are closed.

The Events Button

After successfully entering your login name and password the Events List screen will be displayed. This function can also be accessed by clicking on the Events button.

Transaction#	Company	Department	Equipment Name	IMEI	Event Datetime	Lift Truck Events
336256	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:08:19 PM	Impact detected
336255	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:08:11 PM	Impact detected
336254	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:08:07 PM	Impact detected
336252	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:07:53 PM	Impact detected
336251	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:07:39 PM	Impact detected
336245	Polycon	SHIPPING	Forklift #017	012051000490788	10/19/2011 8:29:23 PM	Impact detected
336244	Polycon	SHIPPING	Forklift #017	012051000490788	10/19/2011 8:29:10 PM	Impact detected
336229	Polycon		Forklift #018	012051000491273	10/19/2011 7:51:05 PM	Impact detected
336228	Polycon		Forklift #018	012051000491273	10/19/2011 7:50:55 PM	Impact detected
336227	Polycon		Forklift #018	012051000491273	10/19/2011 7:50:44 PM	Impact detected
336226	Polycon		Forklift #018	012051000491273	10/19/2011 7:50:30 PM	Impact detected
336217	Polycon		Forklift #018	012051000491273	10/19/2011 7:42:24 PM	Impact detected
336216	Polycon		Forklift #018	012051000491273	10/19/2011 7:40:53 PM	Impact detected
336214	Polycon		Forklift #018	012051000491273	10/19/2011 7:38:42 PM	Impact detected
336208	Polycon		Forklift #018	012051000491273	10/19/2011 7:22:16 PM	Impact detected
336207	Polycon		Forklift #018	012051000491273	10/19/2011 7:22:03 PM	Impact detected
336201	Polycon		Forklift #018	012051000491273	10/19/2011 7:07:45 PM	Impact detected
336199	Polycon		Forklift #018	012051000491273	10/19/2011 7:06:12 PM	Impact detected
336198	Polycon		Forklift #018	012051000491273	10/19/2011 7:05:02 PM	Impact detected
336197	Polycon		Forklift #018	012051000491273	10/19/2011 7:04:49 PM	Impact detected
336196	Polycon		Forklift #018	012051000491273	10/19/2011 7:04:38 PM	Impact detected
336195	Polycon		Forklift #018	012051000491273	10/19/2011 7:04:34 PM	Impact detected
336194	Polycon		Forklift #018	012051000491273	10/19/2011 7:04:31 PM	Impact detected

Figure 4 – Impact Events Page

This is the main events page for the Impact Monitoring website. By default, all the impact events that occurred during the last 7 days are displayed where the most recent impact is displayed first and the oldest impact event is displayed last.

This screen includes a number of columns that describe the unit, date and time the impact event was recorded. The columns that are displayed are as follows:

1. **Transaction#** - This is an internal Bolero transaction # used by Bolero to track a transaction in the system.
2. **Company** – This displays the Company name associated with the impact event.

3. **Department** – This is the Department of the equipment that triggered the impact.
4. **Equipment Name** – This is the name of the lift truck that caused the impact.
5. **IMEI** – A unique number on the Bolero Wireless network identifying the wireless modem associated with the lift truck. This number can be identified on the outside label of the IVDT Impact Alert unit installed on the lift truck.



Figure 5 – IMEI Label

6. **Event Datetime**: The date and time the event occurred. Displayed in Eastern Standard Time.
7. **Lift Truck Event**: This indicates that an impact occurred on the named equipment.

Departmental Event Filters

The **Department** drop down list can be used to filter events for a single department. For example, assume you are the supervisor of the 1K ASSY department and only want to see the impact events for your department. To filter these records, follow these steps:

1. Click on the down arrow on the **Department** drop down list. The list of Departments configured in the system will be displayed.

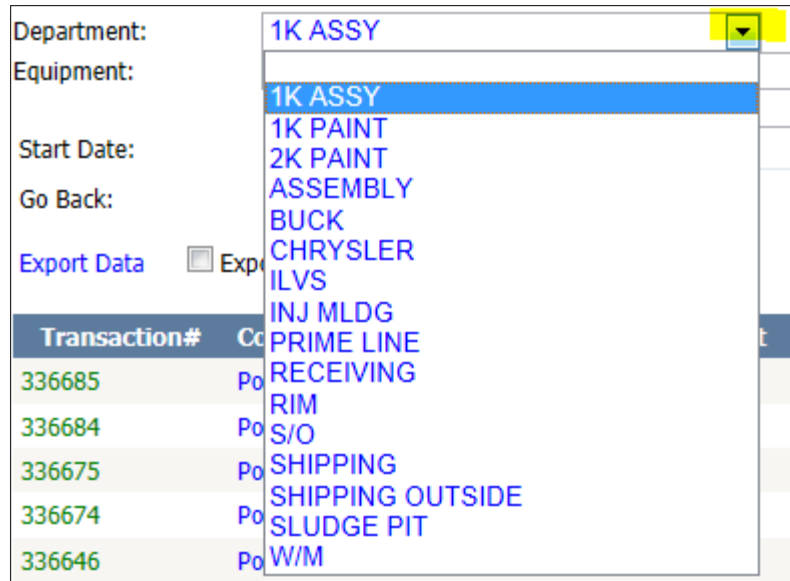


Figure 6 – Department Drop Down Filter

2. Select the desired Department from the list. In this example, the user is selecting the 1K ASSY Department. After selected, only those events for the 1K ASSY department will be displayed in the list.

3. To revert back to seeing all Department events, select the blank entry in the Department drop down list and all records will be displayed. Go ahead and revert the system to view all events by selecting the blank entry in the Department List.

Equipment Event Filters

The **Equipment** drop down list can be used to filter events for a single lift truck. For example, assume you are the supervisor of the 1K PAINT department and only want to see the impact events for Equipment Forklift #10 (IMEI: 012051000490598). To filter these records, perform the following

1. Click on the down arrow on the Equipment drop down list. The list of Equipment for the entire plant configured in the system will be displayed.

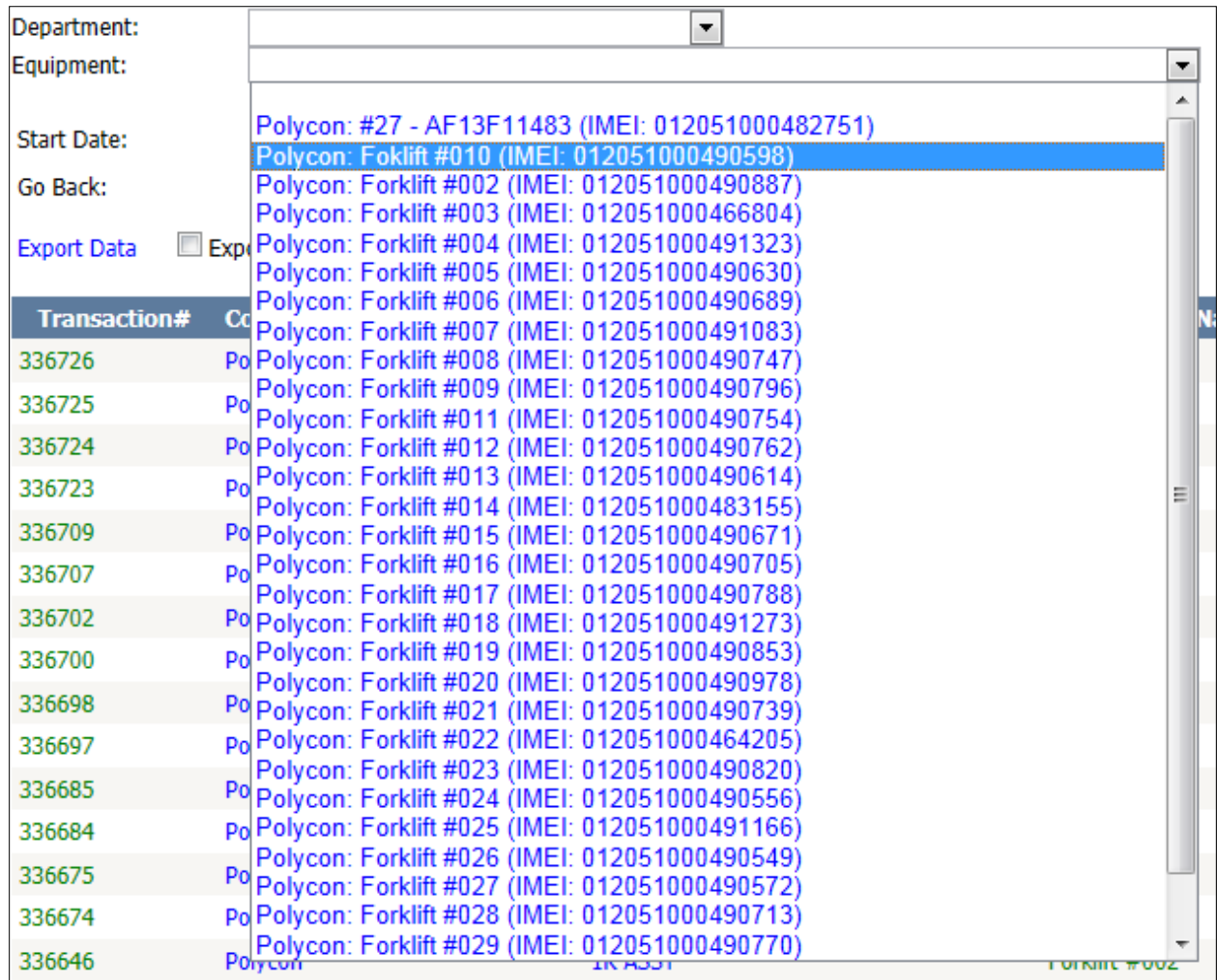


Figure 7 – Equipment Drop Down Filter


2. Select the desired Equipment from the list. In this example, the user is selecting Forklift #10 (IMEI: 012051000490598). After selected, only those events for this lift truck will be displayed in the list.

3. To revert back to seeing all Equipment events for the plant, select the blank entry at the top of the Equipment drop down list and all Event records for the last 7 days will be displayed. Go

ahead and revert the system to view all events by selecting the blank entry in the Department List.

Filtering by Start and End Date of Event

To filter event records by a specific date range, you will use the Start Date and End Date data controls. Assume we want to filter all records during the week of October 18, 2011 to October 19, 2011. To do this, follow these steps:

1. Click on the date icon picture  to the right of the Start Date control. A calendar will be displayed for the current month.
2. Click on the 18th day of the month in the calendar displayed. The calendar control will close and the value 10/18/2011 will be displayed in the start date control. This date control is in the format of mm/dd/yyyy.

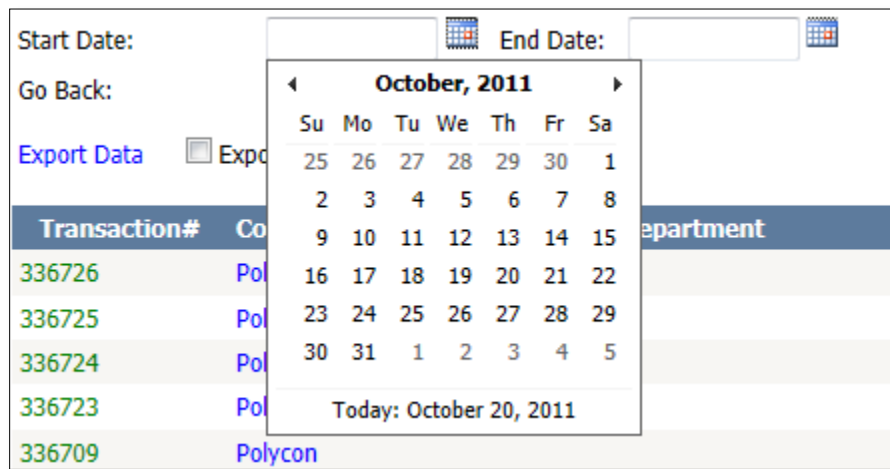



Figure 8 – Calendar Controls

3. Click on the date icon picture  to the right of the End Date control and select the number 19 from the date control.

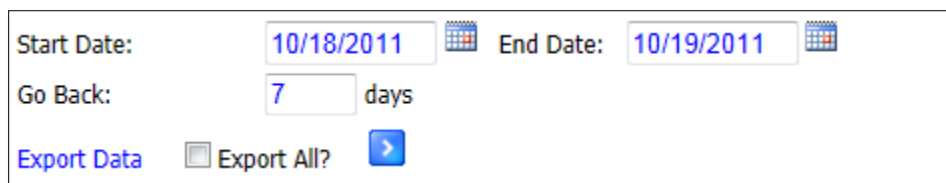



Figure 9 – Searching on a Date Range

4. To invoke the search, click on the Go button  .


4. Only those records that had a recorded impact between the two selected dates will be displayed.

The screenshot shows the MAGNA web application interface. At the top, there are navigation tabs for 'Events', 'Equipment', 'Departments', and 'Accounts'. Below these, there are input fields for 'Department:' and 'Equipment:'. The 'Start Date:' is set to 10/18/2011 and the 'End Date:' is set to 10/19/2011. A 'Go Back:' field is set to 7 days. There is an 'Export Data' button and an 'Export All?' checkbox. Below the filters is a table of event records.

Transaction#	Company	Department	Equipment Name	IMEI	Event Datetime	Lift Truck Events
336315	Polycon		Forklift #019	012051000490853	10/19/2011 11:39:36 PM	Impact detected
336314	Polycon		Forklift #019	012051000490853	10/19/2011 11:39:24 PM	Impact detected
336300	Polycon	1K PAINT	Forklift #015	012051000490671	10/19/2011 11:06:35 PM	Impact detected
336298	Polycon	1K PAINT	Forklift #015	012051000490671	10/19/2011 11:06:21 PM	Impact detected
336281	Polycon	1K PAINT	Forklift #014	012051000483155	10/19/2011 10:18:56 PM	Impact detected
336280	Polycon	1K PAINT	Forklift #014	012051000483155	10/19/2011 10:18:41 PM	Impact detected
336267	Polycon	1K PAINT	Forklift #013	012051000490614	10/19/2011 9:43:33 PM	Impact detected
336266	Polycon	1K PAINT	Forklift #013	012051000490614	10/19/2011 9:43:23 PM	Impact detected
336258	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:10:13 PM	Impact detected
336257	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:08:23 PM	Impact detected
336256	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:08:19 PM	Impact detected
336255	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:08:11 PM	Impact detected
336254	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:08:07 PM	Impact detected
336252	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:07:53 PM	Impact detected
336251	Polycon	1K PAINT	Forklift #012	012051000490762	10/19/2011 9:07:39 PM	Impact detected
336245	Polycon	SHIPPING	Forklift #017	012051000490788	10/19/2011 8:29:23 PM	Impact detected

Figure 10 – Selection Based on a Date Range

Going back (x) Number of Days

By default, the system will filter records that were recorded in the last 7 days. If you wish to go back further, enter the number of days you wish to go back then click on the Go button . For example, to display all the records that occurred within the last 28 days, enter the value 28 in the Go Back field, and click the Go button. Once clicked, the system will return all the records that were generated within the last 28 days.

This image shows a close-up of the 'Go Back:' field in the interface. The number '28' is entered in the text box, followed by the word 'days'. Below the text box is the 'Export Data' label, an 'Export All?' checkbox, and a blue 'Go' button with a right-pointing arrow.

Figure 11 – Going back (x) days

Exporting Data

To export data and view in Microsoft Excel (it is assumed all users will have Microsoft Excel or a similar spreadsheet installed on their computer), filter the records based on the criteria you want to filter on and then click on the **Export Data** link.



Figure 12 – Export Data

1. After clicking on this link, a Microsoft Internet Explorer dialogue will be displayed similar to the following asking what you would like to do with the output.

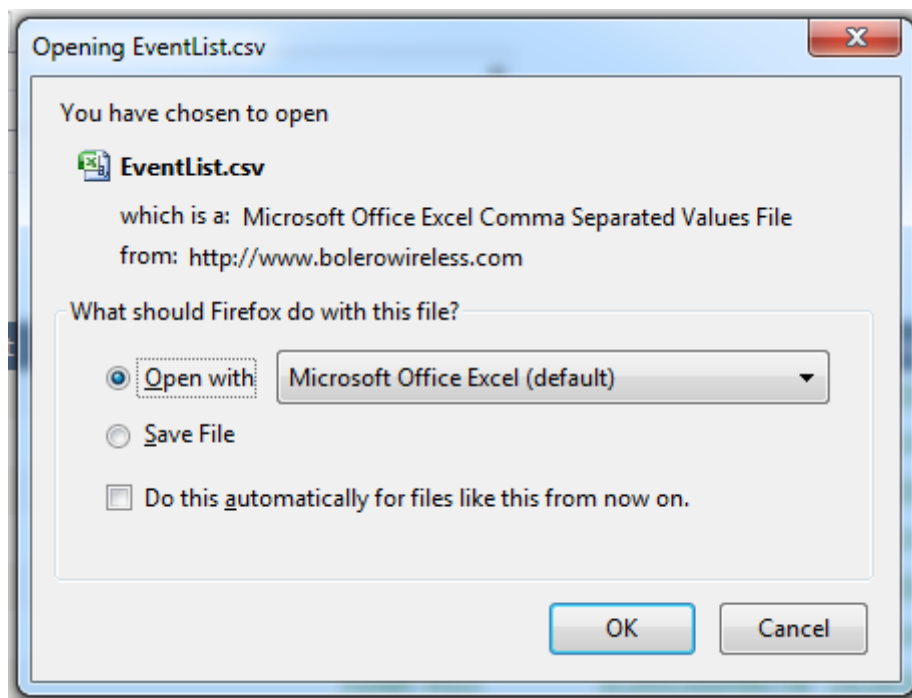


Figure 13 – Opening the Export Data File

2. To Open the file with Microsoft Office Excel the, Click on the "Open with" radio button, then the OK button.

3. To Save the file to your computer, click on the "Save File" radio button then the OK button. The file will be saved to your computer.

4. To Export all the data for all departments and all equipment for the plant, select the Export All checkbox, then click on the Export Data link.

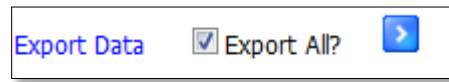


Figure 14 – Export All

The Paginate Bar

In many cases, the number of records returned from a filter query will result in more than one page load of data. To navigate between the pages, click on one of the page numbers displayed in the bar at the bottom of the list. This bar is highlighted in light blue.

335970	Polycon	Forklift #029	012051000490770	10/19/2011 8:35:59 AM	Impact detected
335969	Polycon	Forklift #029	012051000490770	10/19/2011 8:34:21 AM	Impact detected
335726	Polycon	Forklift #028	012051000490713	10/18/2011 10:44:11 PM	Impact detected
335725	Polycon	Forklift #028	012051000490713	10/18/2011 10:43:09 PM	Impact detected
335701	Polycon	Forklift #027	012051000490572	10/18/2011 9:52:05 PM	Impact detected
1 2					
Copyright ©2011. Powered By BoleroWireless.Com					

Figure 15 – The Paginate Bar

In the example above, the first page load of impact event records is displayed. To navigate to the next page of records, click on the number 2. Clicking on the number 2 will load the 2nd page load of data.

Transaction#	Company	Department	Equipment Name	IMEI	Event Datetime	Lift Truck Events
335698	Polycon		Forklift #027	012051000490572	10/18/2011 9:51:50 PM	Impact detected
335656	Polycon		Forklift #027	012051000490572	10/18/2011 8:37:19 PM	Impact detected
335617	Polycon		Forklift #026	012051000490549	10/18/2011 6:58:43 PM	Impact detected
335615	Polycon		Forklift #026	012051000490549	10/18/2011 6:58:26 PM	Impact detected
1 2						
Copyright ©2011. Powered By BoleroWireless.Com						

Figure 16 – Select Page 2 of Data Selected

The Equipment Button

The Equipment Button allows you to manage all the equipment configured in the Impact Monitoring Website. Each piece of Equipment displayed in the Equipment function represents a lift truck in the field. Clicking on the Equipment button will display the following screen:

Edit	Equipment#	Company	Department	Equipment Name	IMEI	Last Event Date/Time
	1001	Polycon	BUCK	#27 - AF13F11483	012051000482751	10/3/2011 12:00:00 AM
	1003	Polycon	1K ASSY	Forklift #002	012051000490887	10/8/2011 12:00:00 AM
	1004	Polycon	1K ASSY	Forklift #003	012051000466804	10/9/2011 8:21:09 AM
	1005	Polycon	1K ASSY	Forklift #004	012051000491323	10/9/2011 12:00:00 AM
	1006	Polycon	1K ASSY	Forklift #005	012051000490630	10/9/2011 8:25:39 AM
	1007	Polycon	1K ASSY	Forklift #006	012051000490689	10/9/2011 8:28:54 AM
	1008	Polycon	1K ASSY	Forklift #007	012051000491083	10/9/2011 8:31:16 AM
	1009	Polycon	1K ASSY	Forklift #008	012051000490747	10/9/2011 8:36:34 AM
	1010	Polycon	1K PAINT	Forklift #009	012051000490796	10/9/2011 8:38:22 AM
	1011	Polycon	1K PAINT	Forklift #010	012051000490598	10/9/2011 8:45:25 AM
	1012	Polycon	1K PAINT	Forklift #011	012051000490754	10/9/2011 8:42:27 AM
	1013	Polycon	1K PAINT	Forklift #012	012051000490762	10/9/2011 8:48:02 AM
	1014	Polycon	1K PAINT	Forklift #013	012051000490614	10/9/2011 8:49:31 AM
	1015	Polycon	1K PAINT	Forklift #014	012051000483155	10/9/2011 8:40:13 AM
	1016	Polycon	1K PAINT	Forklift #015	012051000490671	10/9/2011 8:52:45 AM
	1017	Polycon	1K PAINT	Forklift #016	012051000490705	10/9/2011 8:54:44 AM
	1018	Polycon	SHIPPING	Forklift #017	012051000490788	10/9/2011 12:00:00 AM
	1019	Polycon		Forklift #018	012051000491273	10/9/2011 8:59:07 AM
	1020	Polycon		Forklift #019	012051000490853	10/9/2011 9:01:50 AM
	1021	Polycon		Forklift #020	012051000490978	10/9/2011 9:03:43 AM

Figure 17 – The Equipment List Page

This page includes a number of columns that describe the Equipment including its name, Department, etc. The columns that are displayed are as follows:

1. **Pencil Icon** – The Pencil is used to Edit a particular Equipment record. Details on how to use the Pencil icon are provided further in this section.
2. **Equipment#** - This is an internal Equipment # used by Bolero Wireless to track an equipment record in the system.
3. **Company** – This displays the Account name associated with the Equipment.
5. **Department** – This is the Department of the equipment that triggered the impact.
4. **Equipment Name** – This is the name associated with the piece of equipment.

5. **IMEI** – A unique number on the Bolero Wireless network identifying the wireless modem associated with the lift truck. This number can be identified on the outside label of the IVDT Impact Alert unit installed on the lift truck.

6. **Last Event Datetime:** The date and time the last event occurred. This value is displayed in Eastern Standard Time.

Editing an Equipment Record

To edit an equipment record, click on the Pencil icon at the beginning of the list. This will allow you to change the Name of the Equipment, the Department and the Account associated with the Equipment record. For example, let's change the name of Equipment# 1009.

Once clicking on the Pencil icon for this Equipment record, the following will be displayed:

The screenshot displays the 'Edit Equipment' interface. At the top, there is a navigation bar with the 'MAGNA' logo and buttons for 'Events', 'Equipment', 'Departments', and 'Accounts'. Below this, the page title is 'Edit Equipment' with links for '[Equipment List]' and '[Equipment Event List]'. An 'Update' button is present. The main section is titled 'Polycon / Forklift #008' and has tabs for 'Details', 'Custom', and 'Notes'. The 'Details' tab is active, showing two columns of information: 'General Information' and 'Status'. The 'General Information' column contains fields for Equipment# (1009), Account ID (Polycon), Department (1K ASSY), Equipment Name (Forklift #008), Product Code (Enfora GPS (GSM2354/2338)), IMEI (012051000490747), and SimChip ID (89014103254519407864). A green checkmark is next to the Equipment Name field. The 'Status' column contains fields for Equipment Status (Active), Modem Timezone ((GMT-05:00) Eastern Time (US &)), Last IP Address (166.188.68.222), and Last IP Address Date (10/20/2011 2:16:51 PM). At the bottom, it says 'Current Tab: Details' and 'Copyright @2011. Powered By BoleroWireless.Com'.

Figure 18 – The Equipment Maintenance Page

Equipment Maintenance Common Functions

The top of the page includes a common set of links that are used to navigate the website as well as to update the database once changes have been made to the Equipment record. These functions are described as follows:



Figure 19 – The Equipment Maintenance Page

[Equipment List] – Clicking on the Equipment List Link will redisplay the list of Equipment to the user.

[Equipment Event List] – Clicking on the Equipment Event List will list the impact events for the selected equipment for the last 7 days.

Update – Clicking on the Update link will update all changes made to the Equipment record to the database.

Details Tab – The Details tabs lists the details of the Equipment record selected.

Custom Tab – The Custom tab contains 4 Custom fields that can be used for whatever reason. The Update Link must be clicked after entering Custom fields to commit them to the database.

Notes Tab – The Notes Tab allows for free format text to be entered for an Equipment record. This can include comments and notes about the repair/maintenance that was performed on the equipment. The Update Link must be clicked after entering Notes to commit them to the database.

Equipment Maintenance Edit Area

This page includes a number of fields that describe the Equipment including its name, Department, etc. The columns that are displayed are as follows:

Polycon / Forklift #008

Details Custom Notes

General Information	Status
Equipment#: 1009	Equipment Status: Active
Account ID: Polycon	Modem TimeZone: (GMT-05:00) Eastern Time (US & ...)
Department: 1K ASSY	Last IP Address: 166.188.68.222
Equipment Name: Forklift #008	Last IP Address Date: 10/20/2011 2:16:51 PM
Product Code: Enfora GPS (GSM2354/2338)	
IMEI: 012051000490747	
SimChip ID: 89014103254519407864	

Figure 20 –Equipment Edit Area

Columns that are grayed out cannot be updated by the user.

1. **Equipment#** - This is an internal Bolero Equipment # used by Bolero to track an equipment record in the system.
2. **Account-ID** – This displays the Account name associated with the Equipment.
3. **Department** – This is the Department of the equipment.
4. **Equipment Name** – The equipment name associated with the piece of equipment.
5. **Green Check Mark** – Clicking on the Green Check Mark will commit the record to the database. It is the same as clicking on the Update link.
6. **Product Code** – An internal product code required by the system.
5. **IMEI** – A unique number on the Bolero Wireless network identifying the wireless modem associated with the lift truck. This number can be identified on the outside label of the IVDT Impact Alert unit installed on the lift truck.
7. **SimChip ID** - An internal Sim chip code required by the system.
8. **Equipment Status** – The status of the equipment on the Bolero network.

9. **Modem Time Zone** – The time zone the equipment is in.

10. **Last IP Address** - The last IP address generated by the modem.

11. **Last IP Address Date** – The last date/time the modem reported to the Bolero Network.

To Update the Equipment Name

To Update the Equipment Name for the equipment, follow these steps:

1. Click on the Equipment name textbox and enter the new Equipment Name.
2. Click the Update Button or the Green Check Mark.

To Update the Department Name

To Update the Department Name for the equipment, follow these steps:

1. Click on the Department drop down list and select the new Department.
2. Click the Update Button or the Green Check Mark.

The Departments Button

The Departments Button allows you to manage all the Departments configured in the Impact Monitoring Website. Each Department displayed in the Department function represents a Department in the plant or organizational unit. Equipment can be associated with Departments as documented in the Equipment Button section. Clicking on the Department button will display the following screen:

The screenshot shows the Magna web application interface. At the top left is the Magna logo. To the right are navigation buttons for Events, Equipment, Departments, and Accounts. Below these are links for [Department List] and [Add New Department], and a search field. The main content area displays a table of departments with the following data:

Edit	Department #	Department Name	Alert eMail?	eMail List	Delete
	101	BUCK	No		
	118	INJ MLDG	No		
	140	PRIME LINE	No		
	140	2K PAINT	No		
	145	ASSEMBLY	No		
	145	1K ASSY	No	frank.reid@magna.com	
	145	1K PAINT	No	paul.blackburn@magna.com	
	145	ILVS	No		
	145	S/O	No		
	150	SLUDGE PIT	No	WAYNE.SCOBIE@MAGNA.COM	
	165	CHRYSLER	No		
	165	SHIPPING	No		
	165	SHIPPING OUTSIDE	No		
	195	W/M	No		
	195	RECEIVING	No		
	26 H/M	RIM	No		

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Figure 21 –Department List

Common Functions

[Department List] – Clicking on the [Department List] link will return control to the Department List screen.

[Add New Department] – Clicking on the [Add New Department] link will invoke Add mode on the Department Maintenance screen. Please see "Adding a New Department" later on in this section.

This page includes a number of columns that describe the Department including the Department Name Email list, etc. The columns that are displayed are as follows:

1. **Pencil Icon** – The Pencil is used to Edit a particular Department record. Details on how to use the Pencil icon are provided further in this section.
2. **Department#** - This is an internal Department# used by Bolero to track a Department in the system.
4. **Department Name** – The name associated with the department.
5. **Alert email?** – A Yes/No value. If set to No, then no email notification will be sent when an impact event occurs on any of the equipment associated/linked to this department. If set to Yes, then an email will be sent to the email recipient(s) each time an impact event occurs. A list of email addresses can be provided for multiple email recipients.
6. **e-m Mail List:** A list of email addresses where notification of impact events should be sent. Use the semicolon to separate email recipients.

Editing a Department Record

To Edit a Department record, click on the Pencil icon on the Department you want to edit. For example, to edit Department# 101 – BUCK, click on the Pencil icon. The following screen will be displayed:

The screenshot displays the 'Edit Department' interface. At the top, there is a navigation bar with buttons for 'Events', 'Equipment', 'Departments', and 'Accounts'. The main content area is titled 'Edit Department' and includes a link for '[Department List]'. Below this, there are three buttons: 'Add', 'Update', and 'Delete'. The 'Details' tab is selected, showing the following fields:

- Department #: 101
- Department Name: BUCK
- Send Email Notification? (must separate email addresses with a secicolon (;))

There is a checkbox and a text area for the email notification, with a red 'X' icon next to it. The footer of the page indicates 'Current Tab:' and 'Copyright ©2011. Powered By BoleroWireless.Com'.

Figure 22 –Department Maintenance

All fields on this form can be changed including:

Department# - An internal Departmental/Pre-Determined number associated with the department.

Department Name – The name of the Department.

Send Email Notification Checkbox – When this checkbox is checked an email notification will be sent to each recipient defined in the Send Email Notification email list. When this checkbox is not checked, then no Email notification will be sent. Only those impact events generated by lift trucks associated with the Department will be sent to the email or list of email addresses defined.

Send Email Notification (List) – An email address or list of email addresses that will receive email notifications when impact events occur on a lift truck associated with the department. Multiple email addresses must be separated with a semicolon ; Email messages will only be sent if the Checkbox is checked.

Like all other screens, clicking on the Update Link will commit the changes to the Department record to the database.

Adding a New Department

To Add a new Department to the system, follow these steps:

1. Click on the Add Link
2. Enter all relevant information in textboxes provided.
3. Click the Update Link.

To redistribute Equipment records to the new Department, please see the Equipment Button documented previous in this document.

Deleting a Department Record

To Delete a Department, please follow these steps:

1. Select the Department from the Department List.
2. Click the Delete Icon in the Department List.
3. A Message will be displayed warning of Deletion and OK to continue.
4. Clicking OK will delete the department record.

Please Note: Department Records cannot be deleted once events have been recorded against them. Please contact BoleroWireless.Com for more information.

The Accounts Button

The Accounts Button allows the user to edit the contents of the main account using the Bolero Wireless Network. The Accounts function is the least used option in the Website and is used mainly by Bolero Wireless for billing purposes. Clicking on the Accounts Button will display the following screen:

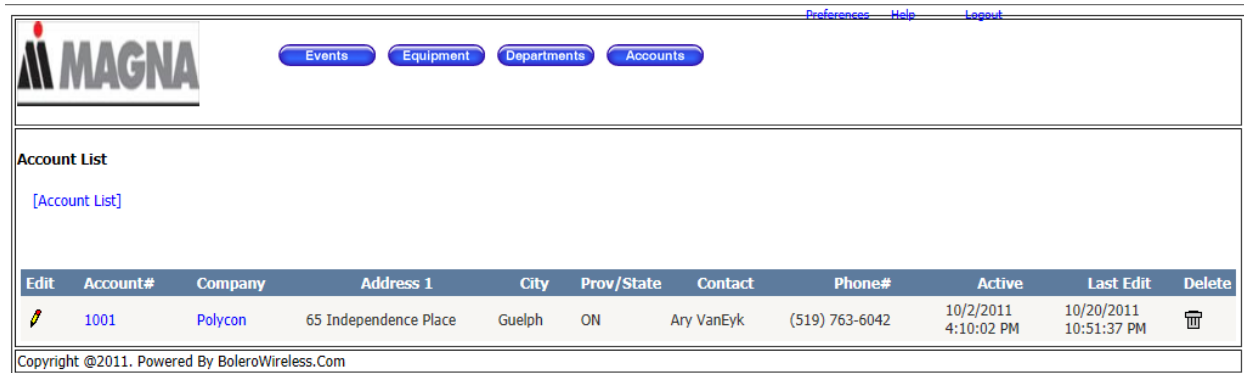


Figure 23 –Accounts List Screen

Editing an Account Record

To edit an Account record, click on the Pencil icon in the Account list. Once clicked, the following screen will be displayed:

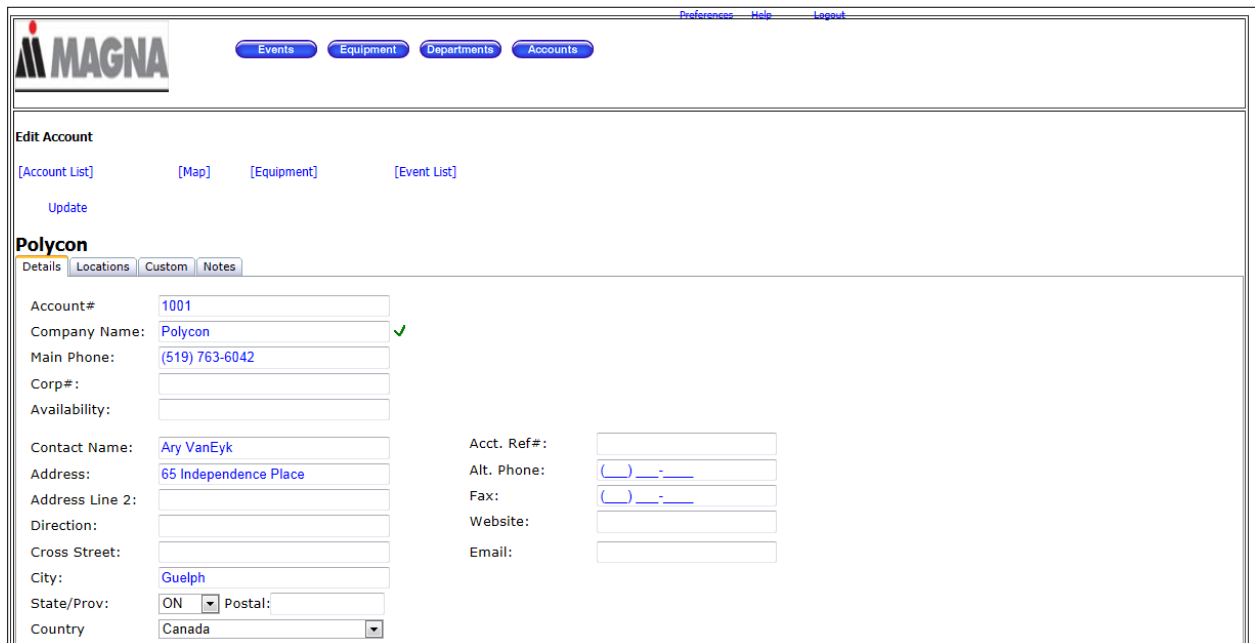


Figure 24 –Accounts Maintenance Screen

Updating an Account Record

To Update the account record, make the required changes and click the Update link at the top of the screen or click on the Green Checkmark. Additional tabs are included which can be used to track Custom information or Notes about the account. Make sure to click the Update link once all changes have been made.

The Preferences Page

The Preferences Link allows the user to customize the Impact Monitoring Website including the customized Messages to be displayed in the user interface, the Master email address where all Impact events are to be emailed, etc. Clicking on the Preferences Link will display the following screen:

Figure 25 –The Preferences Screen

This page includes a number of columns that describe the Subscriber including the Subscriber Name, City, etc. The columns that are displayed are as follows:

1. **Subscriber#** - The subscriber #. Used internally by Bolero Wireless to identify a subscriber.
2. **Name** – The name of the subscriber.
3. **Home Account** – The Home account associated with the subscriber.
4. **Subscription Start Date**- The date the subscription started.
5. **Subscription End Date** - The date the subscription will end without renewal.
6. **Startup Screen** – The default screen to load when logging onto the system. By default, the first screen displayed is the Event List screen.
7. **Time Zone** – The default time zone of the subscriber.
8. **City** – The city name of the subscriber.
9. **Prov/State** – The Province or State of the subscriber.

10. **Postal/Zip** – The Postal or Zip code of the subscriber.

11. **Country** – The Country of the subscriber.

12. **Area Code** – The area code of the subscriber.

Messages and Alerts Screen

The Messages and Alerts screen is where the default message displayed in the Impact Monitoring Website can be customized for the end user. In the case of the Impact Monitoring configuration, only the "Vehicle Input 1 Triggered" message is required to be customized.

There should be no reason for Impact Monitoring users to modify the settings in this screen other than to set where if email notifications at the Plant level should be generated and the Email list of addresses where to send the impact detected message.

Clicking on the Messages and Alerts tab will display the following screen:

The screenshot shows the 'Messages & Alerts' configuration screen. At the top, there are navigation tabs: 'Events', 'Equipment', 'Departments', and 'Accounts'. Below that, the 'Subscriber Preferences' section is visible, with sub-tabs for 'Subscriber Defaults', 'Messages & Alerts', 'Custom Labels', 'Logo', and 'User Information'. The 'Messages & Alerts' section has radio buttons for 'AnyNet' and 'Enfora'. The main table has three columns: 'Display Message in Event Screen?', 'New Default Message', and 'Send Email Notification? (must separate email addresses with a secicolon (;))'. The 'Vehicle Input 1 Triggered' row is checked in the first column, has 'Impact detected' in the second, and 'equipmentmanager@magna.com' in the third. Other rows include 'Pulse Count', 'Wakeup Message', 'OK (Acknowledgement)', 'Vehicle Ignition ON', 'Vehicle Ignition OFF', 'Vehicle Input 2 Triggered', 'Modem Powered Up', 'Vehicle GPS Coordinates', and 'Vehicle Over Speed Limit'.

Display Message in Event Screen?	New Default Message	Send Email Notification? (must separate email addresses with a secicolon (;))
<input type="checkbox"/> Pulse Count		
<input type="checkbox"/> Wakeup Message		
<input type="checkbox"/> OK (Acknowledgement)		
<input type="checkbox"/> Vehicle Ignition ON		
<input type="checkbox"/> Vehicle Ignition OFF		
<input checked="" type="checkbox"/> Vehicle Input 1 Triggered	Impact detected	equipmentmanager@magna.com
<input type="checkbox"/> Vehicle Input 2 Triggered		
<input type="checkbox"/> Modem Powered Up		
<input type="checkbox"/> Vehicle GPS Coordinates		
<input type="checkbox"/> Vehicle Over Speed Limit		

Figure 26 –The Messages & Alerts Screen

The following columns can be updated in the Messages and Alerts Screen:

Display Message in Event Screen Checkbox – When this checkbox contains a check mark, it means all messages generated by the system will be displayed in the Event List screen. Messages will not be displayed if the checkbox does not contain a check mark. It is recommended that this option remain checked.

New Default Message – A new customized message to be displayed when "Vehicle Input 1 Trigger" occurs in the system. In the case of the Impact Monitoring configuration, the message "Impact detected" will be displayed whenever an impact event occurs. It is recommended that this option remain as it currently is configured. If this message is changed, all new impact messages will be generated with the new message set.

Send Email Notification Checkbox – When this checkbox is checked an email notification will be sent to each recipient defined in the Send Email Notification email list. When this checkbox does not contain a check mark, then no Email notification will be sent. When this checkbox contains a check mark, any lift truck in any Department that generates an event will be sent to the email or list of email recipients defined in this screen. Think of this as the Master Email notification email address.

Send Email Notification (List) – An email address or list of email addresses that will receive email notifications when impact events occur on any lift truck in any Department. Multiple email addresses must be separated with a semicolon ; Email messages will only be sent if the Checkbox contains a check mark. If there is not a requirement to send all impact events to a Master email address or list of email addresses, set the checkmark to not checked. In the example above, any impact event generated will be sent to the equipmentmanager@magna.com email address.

Red X button – Clicking on the red x button at the end of the row will clear the data in the Email Notification list.

Like all other screens, clicking on the Update Link will commit the changes to the Subscriber Preferences record to the database.

The Custom Labels Screen

The Custom Labels screen is where the labels displayed in the Event List screen can be configured. In the case of the Impact Monitoring solution, the only label that can be configured is Label 3 in the Event List Screen Labels section.

There should be no reason for you to modify the settings in this screen.

Clicking on the Custom Labels tab will display the following screen:

The screenshot shows the MAGNA web interface. At the top, there are navigation tabs: Events, Equipment, Departments, and Accounts. Below this is the 'Subscriber Preferences' section with options for Find, Add, Update, and Delete. A sub-menu includes Subscriber Defaults, Messages & Alerts, Custom Labels (selected), Logo, and User Information. The main content is divided into two sections: 'Equipment Summary Screen Labels' and 'Event List Screen Labels'. Each section contains a table with columns for Label, Default Value, and New Value, with a red 'X' button at the end of each row.

Label	Default Value	New Value
Label 1:	Equipment On	<input type="text"/> X
Label 2:	Equipment Off	<input type="text"/> X
Label 3:	Total Run Time	<input type="text"/> X
Label 4:	GPS?	<input type="text"/> X
Label 5:	Input 1	<input type="text"/> X
Label 6:	Input 2	<input type="text"/> X
Label 7:	Map	<input type="text"/> X

Label	Default Value	New Value
Label 1:	Event Count	<input type="text"/> X
Label 2:	Total Washes	<input type="text"/> X
Label 3:	Message List	<input type="text" value="Lift Truck Events"/> X

Figure 27 –The Custom Messages Screen

The following columns can be updated in Custom Labels Screen:

New Value – This column contains the column header that should be displayed on the Event List screen. In the example above, the label "Lift Truck Events" will be displayed.

Red X button – Clicking on the red x button at the end of the row will clear the data in the New Value textbox.

The Logo Screen

The Logo screen is used to set the Logo used in the Impact Monitoring Website. This logo is displayed in the upper left hand corner of the website.

There should be no reason for you to modify the settings in this screen other than to change/update the logo currently being used.

Clicking on the Logo tab will display the following screen:



Figure 28 –The Logo Upload Screen

Configuring the Website Logo

To change the Logo displayed in the website, follow these steps:

1. Click on the Browse button. The following Windows dialogue will be displayed:

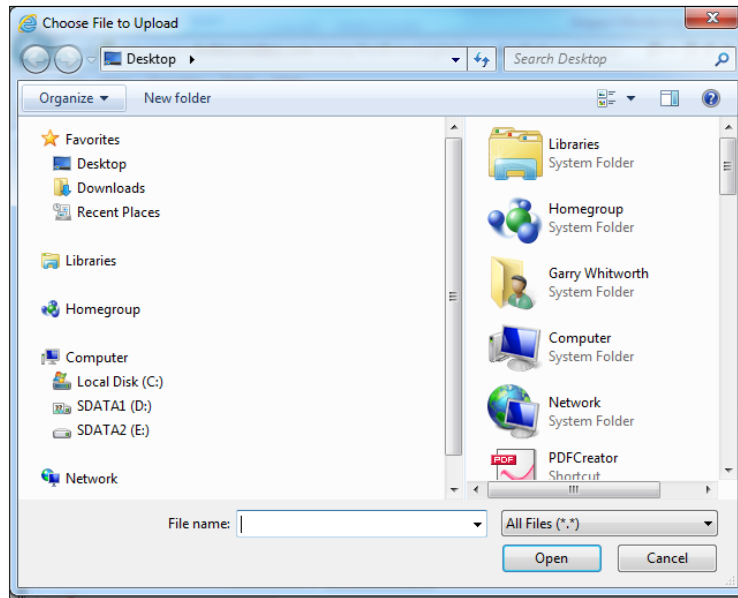


Figure 29 –Choose File to Upload

2. Navigate to the Logo file you wish to upload. Please note that only pictures with an extension of BMP, JPG or PNG are supported by the Impact Monitoring Website.

3. Click on the Upload Logo button.

Navigating to a new page in the application will display the new logo in the upper left hand corner of the website.

The User Information Screen

The User Information screen is used to set the email address of the Subscriber as well as to change the password used to log into the system.

Clicking on the User Information tab will display the following screen:

The screenshot shows the 'User Information' screen. At the top left is the MAGNA logo. To the right are navigation buttons for 'Events', 'Equipment', 'Departments', and 'Accounts'. Below these are links for 'Preferences', 'Help', and 'Logout'. The main content area is titled 'Subscriber Preferences' and includes a toolbar with 'Find', 'Add', 'Update', and 'Delete'. Below the toolbar are tabs for 'Subscriber Defaults', 'Messages & Alerts', 'Custom Labels', 'Logo', and 'User Information'. The 'User Information' tab is active, showing the following fields:

Login Name:	<input type="text" value="Polycon"/>	Change Password:	
User ID:	<input type="text" value="187"/>	Old Password:	<input type="password"/>
User Type:	<input type="text" value="Subscriber Admin"/>	New Password:	<input type="password"/>
Email Address:	<input type="text" value="tedjurca@cogeco.ca"/>	Confirm New Password:	<input type="password"/>
Start Date:	<input type="text" value="10/2/2011 12:00:00 AM"/>		

Figure 30 –User Information Screen

This page includes a number of columns that describe the User including the Login Name, Email address, etc. The columns that are displayed are as follows:

1. **Login Name** - The name used to log into the Impact Monitoring Website.
2. **User ID** – A number associated with the Login Name. This is used internally by the Bolero Wireless software.
3. **User Type** – The type of user associated with the Login Name. This is used internally by the Bolero Wireless software.
4. **Email Address** – The email address used when sending out notifications regarding the maintenance of the Bolero Wireless website.
5. **Start Date** – The date the Login Name was created in the Bolero Wireless website.
6. **Old Password** – Used to change the Login Name password. This contains the old/current password that is to be changed. Typing in this field will not display the password, rather will display dots to hide the password from others.
7. **New Password** –This contains the desired new password. Typing in this field will not display the password, rather will display dots.

8. **Confirm New Password** –This contains the desired new password typed a second time for confirmation. Typing in this field will not display the password, rather will display dots.

Changing the User Password

To change the default password, follow these steps:

1. Enter the old password in the **Old Password** field.
2. Enter the new password in the **New Password** field.
3. Enter the new password in the **Confirm New Password** field.
4. Click the Update link at the top of the screen.

If no error is displayed after clicking the Update Link, the password will be change to the new password entered.