

The logo for BarnReport PRO features a stylized barn icon with a blue roof and three horizontal blue stripes. Below the icon, the text "BarnReport" is written in a bold, dark blue font, followed by "PRO" in a larger, grey font.

BarnReport[®] PRO

User Guide



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BarnReport Pro

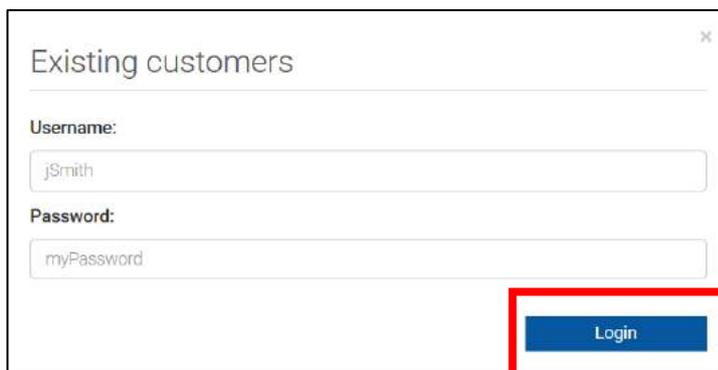
How to login

BarnReport Online is a web based programme which can be accessed from any device with an internet connection. Each user has their account with no limit to how many users a company or site can have. Follow the instructions below to login:

1. Go to the website address <http://www.barnreportpro.co.uk>
2. On the left hand side of the BarnReport Pro page click on **login**



3. From the pop-up window, complete your username and password and click on **login**

A screenshot of a pop-up window titled 'Existing customers'. It contains two input fields: 'Username:' with the text 'jSmith' and 'Password:' with the text 'myPassword'. At the bottom right of the window is a blue button labeled 'Login', which is highlighted with a red rectangular box.

4. If your login details do not work, or you can't remember them, call Farmex Data Services on 0118 988 9093

User Access Levels

BarnReport Pro is a web based programmed, meaning that your data can be seen and shared with anyone in your company or even external interested parties such as vets and nutritionists. However, to ensure that your site remains secure, users can be set to different permission levels to restrict access to certain features. The following levels of access are available:

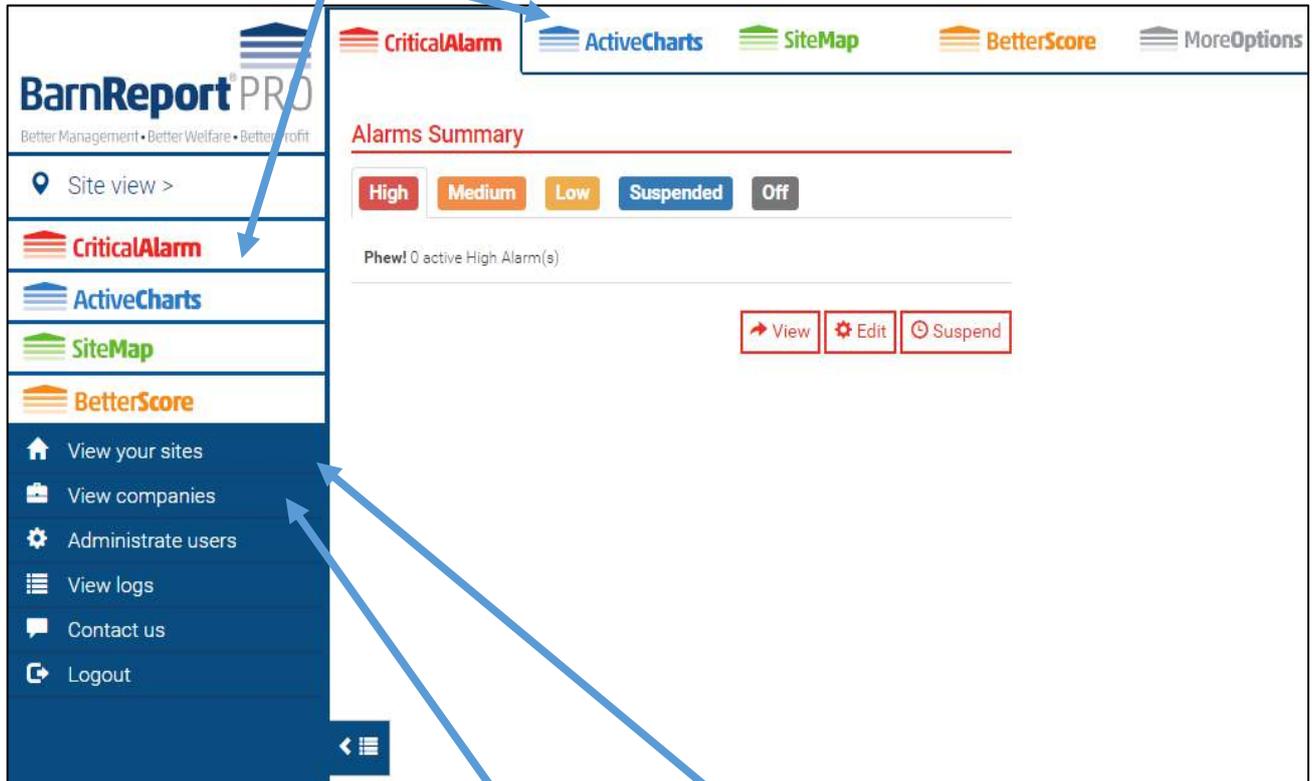
1. **Company Administrator:** Can control all settings of the company and/or individual sites.
2. **Site Administrator** - Can control all settings of any sites they are assigned but cannot alter company default.
3. **Manager:** Has read access for all relevant sites as well as the ability to make changes to CriticalAlarm components. Can manually enter data (batches and pig numbers).
4. **User:** Read only access, cannot make any administrative changes to the company and/or individual site

User level access can be assigned by either Farmex Data Services or by a Company Administrator. See [page 9](#) for instructions on how to change user level access.

Tip – Do you think you should have a different level of access? Contact Farmex Data Services on 0118 988 9093 or your Company Administrator.

Navigating BarnReport Pro

Use the tabs at the top or left-hand side of the screen to navigate BarnReport components



Administrate Users - make changes to user profiles for your site. *Only available for Company Administrators*

View logs – view logs of users who have viewed your site. *Only available for Company Administrators*

View your sites – redirects you to the home page (single site) or list of sites (multi-site)

View Companies – Make amendments to company default alarm settings, view user access and other site administration. *Only available for Company Administrators*

TIP: Users with **multiple sites** will initially see a list of all available sites on login. Clicking on the site name will redirect you to the individual site view shown above.



View Companies

Sites on BarnReport Pro are grouped under the relevant company. In this tab you will see all companies which you have access to. Make amendments to company default alarm settings, view user access and other general site administration. Any changes made to company defaults will apply to all sites within the company. The 'View Companies' page is only available to users with 'Company Administrator' level access.

View Companies Dashboard

Clicking on the **Company** will give you the option of editing the company name

Sites - View the list of sites associated with the company & the number of active alarms

Use **Call times** to set company defaults for the time period

Company	Sites	Users	Alarms	Call times
Bottom Line Solutions				
Burroughs Farms				

Users - View the list of users associated with the company and their level of access. See [page 12](#) for more details on how to add users

Alarm – edit default company alarm settings, view an overview of alarms and export alarm setup. For more details on editing alarm settings see [page 15](#)



Administrate Users

The Administrate Users page allows you to view sites, alarms and users associated with your company. Through this dashboard you can add new users and make changes to existing users, such as changing passwords. The 'Administrate Users' page is only available to users with 'Company Administrator' level access.

Administrate Users Dashboard

Sites – Edit site details by selecting the relevant site from either the company or site name drop down list. See more details on [page 8](#)

Users – Search for users by company, site or name. Users accounts can then be edited or deleted, see [page 9](#) for more details

Alarms – edit CriticalAlarm settings by selecting a site from the drop down menu. For more details on how to edit CriticalAlarm see [page 15](#)

Add User – Add additional users to your company and sites. See [page 12](#) for further details

Edit Site

The majority of details will be completed by Farmex when a new site is setup. However Company Administrators can amend or add any additional details as necessary. Not all details are required so can be left blank if preferred.

1. Site Details

To edit site details simply select from the drop down box or type in the text and click apply changes.

Name: *Site name*

Company: *Company name*

Timezone: *GMT*

Country: *Country site is located in (UK or USA)*

Stage of Production: *Breeding, Nursery, Finish, Wean Finish, Other*

Spaces: *No of pigs*

Manager Rank:

Latitude: *Site coordinate*

Longitude: *Site coordinate*

The screenshot shows a form titled "Site Details" with the following fields and values:

- Name: Farmex
- Company: Farmex (dropdown)
- Timezone: (GMT) Greenwich Mean Time (dropdown)
- Country: United Kingdom (dropdown)
- Stage of Production: (empty dropdown)
- Spaces: (empty text box)
- Manager Rank: B (dropdown)
- Latitude: (empty text box)
- Longitude: (empty text box)

At the bottom, there are two buttons: "Deactivate" (with a red X icon) and "Apply Changes" (with a green checkmark icon).

2. Site Users

All users which are linked to the site will appear in this list. If you want to remove or add a user from the list; unselect/select in the box and click apply changes.

The screenshot shows a table titled "Site Users" with a table border and a "Apply Changes" button at the top right.

Name	
Douglas, Sadie	<input checked="" type="checkbox"/>
Hothan, Randy	<input checked="" type="checkbox"/>
Riberfors, Johan	<input checked="" type="checkbox"/>
Wilson Wynn, Ollie	<input checked="" type="checkbox"/>
admin, Dicam	<input type="checkbox"/>

3. Edit Zone Names

Zone names are used for TrackGrowth when pen level data is needed. To amend the name of a zone; type in the new name and click apply changes.

Edit Zone Names	
Name	New Name
frmX	<input type="text" value="New name..."/>
W1	<input type="text" value="New name..."/>
W2	<input type="text" value="New name..."/>
W3	<input type="text" value="New name..."/>

User Admin

New users can be added and existing users edited and deleted by either Farmex or the Company Administrator. Not all details are required so can be left blank if preferred. If a required field is not completed this will be flagged in red below the text box.

1. Edit User details

User Details	
Edit all aspects of a user here	
First Name <input type="text" value="Ollie"/>	Last Name <input type="text" value="Wilson Wynn"/>
Username <input type="text" value="OllieWilson"/>	Email Address <input type="text" value="ollie@farmex.com"/>
Timezone <input type="text" value="(GMT) Greenwich Mean Time"/>	Password <input type="text"/>
Confirm Password <input type="text"/>	Access <input type="text" value="Users"/>
<input type="button" value="Deactivate"/> <input type="button" value="View"/> <input type="button" value="Save"/>	

- **First name, Last name and Time zone** are all mandatory details and any edits cannot be saved unless these details are complete.
- If the user is not expected to be logging into BarnReport Pro, but is being added so they can be alerted by CriticalAlarm, then **Username** and **Password** are not required.
- Users can be set to different levels of access, these can be amended via the **Access** drop down menu. See [page 4](#) for definitions.

2. Edit Contact Methods

Contact Methods

Landlines and cellphones can receive phone alarms. Only cellphones can receive text alerts.

Alert Type	Contact Details	Contact Type	Order	Delete
<input type="text" value="0044 9123 999 888"/>	Alert ▾	Mobile ▾	1 ▾	<input type="checkbox"/>
<input type="text"/>	Alert ▾	Mobile ▾	2 ▾	<input type="checkbox"/>
<input type="text"/>	Alert ▾	Mobile ▾	3 ▾	<input type="checkbox"/>
<input type="text"/>	Alert ▾	Mobile ▾	4 ▾	<input type="checkbox"/>

If the user needs to be contacted by CriticalAlarm then contact details need to be entered in the above screen. You can enter four contact types (landline, mobile or e-mail) and specify which order you would like to be contacted.

- **Alert type** - contact details such as mobile phone, landline or e-mail. Phone numbers need to be entered in the correct format with an international prefix of 0044
- **Contact Details** – Alert or Notify. Alert is a phone call, notify is a text message or e-mail
- **Contact Type** - Landline, mobile or e-mail. Select what details you have entered
- **Order** – Specify in what order you would like each contact type to be alerted/notified. Number 1 will be contacted 1st and number 4 last.
- **Delete** – Selecting this option will remove the alert so a new one can be added

3. Edit On-call time

Priority	From	To	Enabled
High	7:00 AM	10:00 PM	<input checked="" type="checkbox"/>
Medium	7:00 AM	9:00 PM	<input checked="" type="checkbox"/>
Low	7:00 AM	9:00 PM	<input checked="" type="checkbox"/>

Save

Specify the time the user will be notified by CriticalAlarm for high, medium and low priority alarms. Select the time period desired, select enabled and click save. **If you do not click enabled, then the user will not be called.**

4. Assign a user to a Company or site

Once a user has been created, they need to be assigned to a company and a site so they can have access to the relevant information. Only Companies and Sites which the Company Administrator has permission to will be visible in this section.

- To add access to a company; scroll down to find the company and click Add Company.
- Once you have added the company, you can then click on the sites within the company and click save

Dicam

Add company +

Farmex

Remove company

Site Level Remove user

Save Reset Delete

Available sites

- Add All --
- Alton A1
- Alton A1 Fat
- Arrowhead
- Bourne
- BridgeHouse
- British Pig and Poultry Fair
- ColdStone
- Coldston
- Dryfeholme
- Dunkerhill
- Enthorpe
- Evans And Pearce
- Farmex
- Growth Sensor

Add Sites +

5. Remove a user from a Company or site

The screenshot displays the 'Companies and Sites' management interface. It is divided into two main sections: 'Allen' and 'Bacton Pigs'. Each section contains a 'Remove company' button, a 'Site' dropdown menu (with 'Blackbarn' and 'Hampshire' respectively), a 'Level' dropdown menu, and a 'Remove user' checkbox. At the bottom of each section are 'Save', 'Reset', and 'Delete' buttons.

- To remove a user's access to a Company simply scroll down to find the company and click Remove Company
- To remove a user's access to a site simply scroll down to find the site and click Remove Company

Adding a new user

The 'User Details' form is used for adding a new user. It features the following fields: First Name, Last Name, Username, Email Address, Timezone (dropdown), Password, Confirm Password, and Access (dropdown). A 'Save' button is located at the bottom right of the form.

To add a new user, navigate to the **Administrate Dashboard** and click on **Add User** in the bottom left hand corner. Complete the relevant fields in the **User Details** screen shown above. First name, last name, time zone and password are mandatory fields. If no level of access is selected then the default level of 'user' will be given.

Once this has been completed you will be redirected to the User Admin Screen to complete the rest of the relevant details. Please see [page 9](#) for further instructions how to complete this page.



CriticalAlarm

Critical alarm is a flexible and robust alarm system designed to keep your production system safe. You can view current and historical alarms as well as amend alarm settings as long as you have the correct permissions. Only users with the correct level of access will be able to edit alarm settings.

CriticalAlarm Dashboard

Alarms Summary

High Medium Low Suspended Off

Uh-oh... 1 active High Alarm(s) : MAINS FAILURE

The last four days that had **Critical alarms**:

Date	Count
01/04/2016	4
18/11/2015	2
05/11/2015	4
16/01/2015	4

View Edit Suspend

To navigate to the CriticalAlarm dashboard, select the relevant site and then click on the CriticalAlarm tab at the top of the page.

The Alarms Summary shows any active CriticalAlarms that need attention, as well as the last four days which had CriticalAlarms. From this page you can;

- view any current or historic alarms ([page 14](#))
- edit the alarm configuration ([page 15](#))
- suspend any active alarms ([page 19](#))

View Alarms

1. Current Alarms

From the CriticalAlarm dashboard, click **View** and this will take you to an overview of current alarms (those which are active).

The background colour of the alarm indicates alarm priority (Red is high priority, orange is medium priority and yellow is low priority – see [alarm configuration](#)). Any alarms which are not highlighted are not setup to alert the user but are still recorded by BarnReport Pro.

Room	Alarm	Time
FIN-RM2	Water Leakage	May 9th, 09:00
FIN-RM2	Water Pattern	Apr 9th, 09:00
cklp	MAINS FAILURE	Apr 1st, 08:27
cklp	NETWORK FAILURE	Apr 1st, 07:11
FIN-RM2	NETWORK FAILURE	Apr 1st, 07:11
FIN-RM1	NETWORK FAILURE	Apr 1st, 07:11
FIN-RM1	Water Leakage	Mar 29th, 09:00

- Click on the room (highlighted in blue) to view the Active Charts for the Room
- Click on the alarm (highlighted in blue) to view history of the alarm, including all events (time on and off) and who was contacted (time, method, user).

Alarm on	Alarm off	Events
Apr 16th, 14:56	Apr 16th, 17:17	17
Apr 16th, 11:23	Apr 16th, 12:44	12
	Mar 23rd, 11:27	6

Event time	Method	User	Reply	Tier	Contact
Apr 16th, 17:15	Phone		Answerphone	Tier 1	
Apr 16th, 17:14	Phone		Answerphone	Tier 1	

2. All Alarms



From the **Current Alarms** page you can select 'View all alarms' at the top of the page. This will show you all alarms, whether they are active or not.

By clicking on the room (highlighted in blue), you can go to the relevant chart for the alarm.

By clicking on the alarm i.e. network failure (highlighted in blue) you can go to the history of the alarm, including all events (time on and off) and who was contacted (time, method, user).

Alarm Configuration

From the CriticalAlarm dashboard, select 'edit' and this will take you to an overview of CriticalAlarm configuration. From here you can change how Critical Alarm functions - simply select edit under the desired category.

Cycle Settings – set the timings for the alerts and notifications

Priority Settings – specify cycle times and alert methods

Cycle Settings
Set the timings used to control the sending of alerts and notifications for each priority.

Priority	Timing	Alert Method
High	10 minutes	Phone
Med	50 minutes	Phone
Low	720 minutes	SMS

Priority Settings
Specify which cycle times the alarms should use, and also how to alert people.

Level	Alarms
High	12 alarms
Med	0 alarms
Low	0 alarms
off	15 alarms
Suspend	0 alarms
Total	27 alarms

Alarm Tiers
Set the order in which people are called, and alarms are escalated.

Tier	One	Two	Three	Four	Five
First called	Chris Blackstone	Charlie Allen			
Total called	2	1			

Alarm Tiers – set the order in which people are called

1. Cycle Settings

Cycle settings is used to edit the timing used to control the sending of alerts and notifications for each priority setting. The difference between High, Medium and Low priority alarms is distinguished by the user and the cycle settings they choose.

Default settings will have the high priority alarm on a short cycle, repeated frequently, with a short suspend period and contact method via phone. Medium and low priority alarms are on a longer cycle and repeated less often, with a greater suspend period and contact method may be via phone, SMS or e-mail.

Priority	Cycle	Repeat	Suspend Period	Contact Method
High	<input type="text" value="10"/> minutes	<input type="text" value="10"/> minutes	<input type="text" value="1"/> hours	Phone
Med	<input type="text" value="30"/> minutes	<input type="text" value="10"/> minutes	<input type="text" value="6"/> hours	Phone
Low	<input type="text" value="720"/> minutes	<input type="text" value="720"/> minutes	<input type="text" value="12"/> hours	SMS

Reset to company defaults:

Save Cycle Settings 

- **Cycle** - Once the alert is active, the alert process will restart every [cycle] minutes from the start of the alert for medium and low priority alerts, and every [cycle] minutes from the last acknowledgement for high priority alarms
- **Repeat** - If no-one acknowledges, the system will retry every [repeat] minutes
- **Suspend Period** - When the alert is suspended, it will reactivate in [suspend period] hours
- **Contact Method** - Simply select phone, SMS or Email
- **Reset to company defaults** - Clicking the checkbox at the bottom of the page will override current settings and return to the company default

TIP: Apart from the user defined settings (see cycle settings the only difference between high and medium priority is when the cycle timer restarts. High: Timer starts from the acknowledgement. Medium/Low: Timer starts from the start of the alert itself)

2. Priority Settings

Priority settings allows you to specify which priority (high, medium or low) to use for each alarm. For each alarm select the **Priority** from the drop down box and click **Save Priorities** at the bottom of the page. Descriptions of alarms and likely causes are listed on the next page.

The screenshot shows the 'Priority Settings' interface. It is divided into two main sections: 'Hard alarms' and 'Soft alarms'. Each section has a table with columns for 'Alarm', 'Priority', and 'Default'. In the 'Hard alarms' section, 'MAINS FAILURE', 'NETWORK FAILURE', and 'WATER FAILURE' are listed with 'High (Phone)', 'High (Phone)', and 'Med (Phone)' priorities respectively. 'HIGH READING' is listed with 'Med (Phone)'. In the 'Soft alarms' section, 'Connection Failure', 'Netmon Connection Failure', and 'Water Leakage' are listed with 'High (Phone)', 'High (Phone)', and 'Med (Phone)' priorities. 'Temperature Control' is listed with 'Off'. At the bottom right, there are three buttons: 'Turn OFF All Alarms', 'Set Site Defaults', and 'Save Priorities'.

Hard alarms			Soft alarms		
Alarm	Priority	Default	Alarm	Priority	Default
MAINS FAILURE	High (Phone)	<input type="checkbox"/>	Connection Failure	High (Phone)	<input type="checkbox"/>
NETWORK FAILURE	High (Phone)	<input type="checkbox"/>	Netmon Connection Failure	High (Phone)	<input type="checkbox"/>
HIGH READING	Med (Phone)	<input type="checkbox"/>	Water Leakage	Med (Phone)	<input type="checkbox"/>
WATER FAILURE	Med (Phone)	<input type="checkbox"/>	Temperature Control	Off	<input type="checkbox"/>

- **Low (default SMS)** - No phone call, just a message to your mobile phone.
- **Off** - You will not receive an alarm or notification for this alarm condition.
- **Suspend** - The alarm will be suspended for a specified amount of time, this can be determined in cycle settings.
- By selecting the '**Default**' tick box next to the individual alarm the company settings will be applied this alarm.
- **Turn OFF All Alarms** – This will turn off all alarms for a site
- **Set Site Defaults** – will revert to the site defaults set up in the 'Companies' section

TIP: Company settings can be amended under the 'View Companies' tab on the side bar. See [page 6](#) for further details.

A number of alarms can be set up via the Priority Settings page – a description of each is provided below. Please note that not all alarms can be setup for every site, for example to have an alarm for water failure you must have water meters installed.

Alarm	Description	Likely Cause
Mains Failure	Controller is not detecting a mains connection	<ol style="list-style-type: none"> 1. Mains is off and Dicam is running on battery 2. Power supply has failed, running on battery 3. APPs mains detection circuit failure 4. Sync signal not connected
High Reading	Temperature has exceeded the HIGH trigger point for a room / zone	<ol style="list-style-type: none"> 1. Room / zone is considerably hotter than SET 2. Trigger incorrectly set 3. Sensor failing
Low Reading	Temperature has dropped below the LOW trigger point for that room / zone	<ol style="list-style-type: none"> 1. Room / zone is considerably colder than SET 2. Trigger incorrectly set 3. Sensor failing
Sensor Failure	A particular sensor is giving an invalid reading (includes open circuit and short circuit)	<ol style="list-style-type: none"> 1. Sensor has failed 2. Sensor connection is faulty 3. Cabling issue 4. Sensor incorrectly configured
Sensor Variance	Two sensors within the same room or airspace are reading too far apart	<ol style="list-style-type: none"> 1. Genuine temp difference 2. Sensor variance trigger set too low (default: 3°C) 3. Sensor failing
No Sensors	All sensors for a particular room or zone are giving invalid readings (there may only be one sensor)	<ol style="list-style-type: none"> 1. Sensor has failed 2. Sensor connections faulty 3. Cabling issue 4. Sensor incorrectly configured
Network Failure	Network connection has been lost to one or more units	<ol style="list-style-type: none"> 1. Cable or connection problem 2. Failure to set network address after upgrade
Output Failure	Output type and device mismatch in configuration	<ol style="list-style-type: none"> 1. An output device is set to a channel but the channel has not been set to a type (e.g. Fan1 = CH1 & CH1 = NONE)
Output Timeout	Output type and device mismatch in configuration	<ol style="list-style-type: none"> 1. An output channel is set to a type but a device has not assigned to the channel (e.g. CH1 = FAN2WR & no device is set to CH1) 2. Netmon remote siren device not configured

Alarm	Description	Likely Cause
Manual Override	Output device(s) overridden and cannot be controlled automatically	1. One or more output channels has been set to run at a specific level (0% to 100%) in the MANUAL OVERRIDE menu
System Reset	Dicam Unit has restarted	1. Brief interruption to supply 2. User has been into config and not used knob or button since restarting
System Error	Dicam controller has problems starting up OR Netmon units always show this on initial power up.	1. Dicam: Repeated restarts within the start-up please wait.....sequence without completing the sequence 2. Netmon: Normal operation on first connection
Battery Low	Battery sensed level has dropped to a critical level	1. Battery is deeply discharged 2. Battery jumper not fitted securely or at all 3. Battery jumper fitted but configured to wrong channel
Trip Failure	An auxiliary device is in a state of alarm	1. Fans/Feed (any other outputs) on the system have tripped 2. The netmon has tripped
Feed Failure	The feed system has exceeded the set thresholds	1. A period of excessive feed delivery 2. No feed has been delivered for an extended period of time
Water Failure	Water usage has exceeded the set thresholds	1. A period of excessive water usage 2. No water has flowed through a meter for an extended period of time.
Connection Failure	The site hasn't connected to us at all in the last ten minutes	1. There is an issue with your broadband provider 2. The broadband router is disconnected from the DGW, at the router end or at the Ethernet port on the DGW 3. The system needs resetting
Netmon Connection Failure	The site hasn't uploaded any alarms in the last ten minutes	1. The netmon has lost contact with the DGW

3. Alarm Tiers

Alarm tiers allows you to change the order in which people are called and therefore the order in which the alarms are escalated.

On the left hand side under 'Not called', every user who is linked to your site will appear. A phone symbol should appear beside each name, if it does not this means there is no mobile phone number entered for the user on BarnReport Pro (please call Farmex to have one added) or see [page 9](#) on how to edit user details.

Drag and drop the user profiles between the tiers to amend the call order and click **Save** at the bottom of the page. There is a maximum of 5 tiers and each tier will only appear once there is a user in the previous tier.

Not Called	Tier 1	Tier 2	Tier 3
Johan Ribenfors	Sadie Douglas	Ollie Wilson Wynn	Simon Leach

Save

Tier 1 – The first person in Tier 1 will be called first and then the second and so on. The system will attempt to call all of these users twice before moving onto Tier 2.

Tier 2 onwards – Users will be called in order of how they are listed in each tier. If there is no response then the calls will progress to the next tier but the system only tries to call users in tier 2 onwards once before moving onto the next tier. If there is still no response the cycle will restart with Tier 1 until the alarm stimulus has been cleared on the individual unit or Netmon.

Tip – By default CriticalAlarm will contact users 24 hours a day if an alarm is triggered however you can set on-call times for each CriticalAlarm user and priority level. This means individual users can be called between specific hours such as 8am to 6pm for a low priority alarm or 24 hours a day for a high priority alarm. See [page 15](#) for more details.

Suspend & Clear Alarms

Once you have received a phone call, text or e-mail for an active alarm, you may want to suspend the alarm (prevents you getting another call/text for a specified period of time so

the alarm can be resolved on site) or clear the alarm (if the alarm has been resolved on site then clearing the alarm will prevent any further contact for the alarm).

1. Suspending Alarms

If you require more time to deal with the stimulus of an alarm you can suspend it. See page 16 to specify length of suspend period.



However once the suspend period is over the alert will reactivate. To stop this you must clear the alarm, otherwise the alarm will trigger every [cycle time] minutes and if not initially acknowledged every [repeat] minutes.

Current Alarms



If you have cleared the alarm using this feature on BarnReport Pro and the alarm persists. The next step is to clear the alarm at netmon. If you require further assistance with this please contact Farmex Data Services on 0118 988 9093.

SiteMAP is a real time indication of what is happening in your pig buildings. Each of the symbols represent either a sensor or meter, alongside pig numbers and live weather conditions.

SiteMap Dashboard

Weather display shows the temperature and current weather for your site as well as direction.

Scrolling over icons will bring up a box with additional details such as what the icon represents and what the current value is.



Clicking on an icon effectively switches it off as far as SiteMAP is concerned, however it will still continue to collect data in the background. This only works for temperature related icons and users with the correct level of access.

SiteMap Icons

Temperatures

Room Temperature

 17 Too cold

 22 Correct

 28 Too hot

 -- No reading

 21 Disabled

Semen Cooler Temperatures

 18 Same as room but with blue border and larger

Set Temperatures

 21.1 Room set temp

 26.4 Creep set temp

Creep Temperatures

 26 Same as room but with red border

Fans

Generic fan

 Off (static)

 Running

 No reading

Other fans

 Stir fan

 Pit fan

Feed

Feed Auger

 Off

 Running (scrolling from top to bottom)

 No reading

Generator

 Off

 Running (animated – flashing red to yellow)

 No reading

Heaters

Generic Heater

-  Off
-  25%
-  50%
-  75%
-  100%
-  No reading

Creep Heater

-  Off
-  25%
-  50%
-  75%
-  100%
-  No reading

Inlets

Ceiling Inlet

-  Closed
-  25% open
-  50% open
-  75% open
-  100% open
-  No reading

Side Curtain

-  Fully open
-  Partially open
-  Closed
-  No reading

Water

-  Not running
-  Running (animated – pulsing from grey to blue)
-  No reading

Pit Sensor

-  Empty
-  25% full
-  50% full
-  75% full
-  100% full
-  No reading

Pump/Fogger

-  Off
-  Running (animated – pulsing from top to bottom)
-  No reading

Siren

-  Off
-  On (animated – pulsing from left to right)
-  No reading

Timers

Generic

-  Not running
-  Running (animated – hands rotate)
-  No reading

Other Timers

-  Lights
-  Water

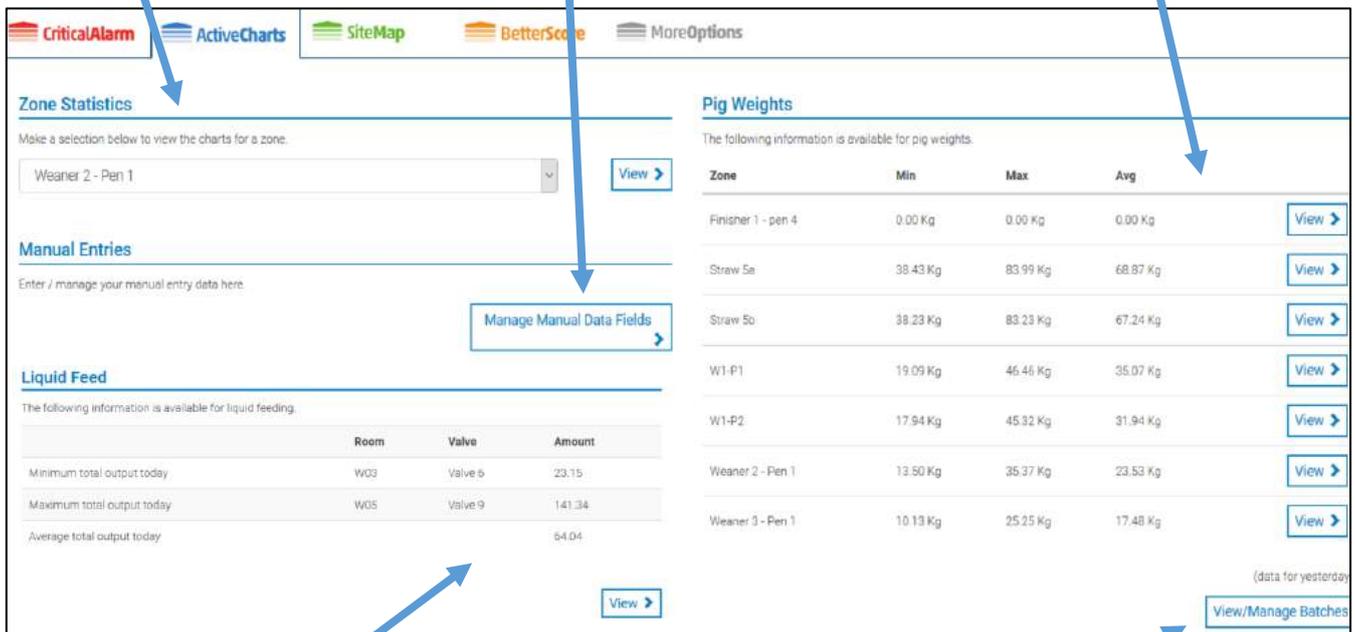
ActiveCharts is the graphical viewing and analysis tool. The system can be configured to log data such as temperature, feed intake and water consumption. Historical as well as current data is available to view. You will also access your **pig weight**, **dry feed** and **liquid feed** data on the ActiveCharts tab if you subscribe to these.

ActiveCharts Dashboard

Zone Statistics – Select a zone to view all charts for this particular zone

Pig Weights – Select view on your GrowthSensor to view weight chart and table

Manual Entries – Edit your manual data entry such as pig number



The screenshot shows the ActiveCharts dashboard with the following sections:

- Zone Statistics:** A dropdown menu showing 'Weaner 2 - Pen 1' and a 'View' button.
- Manual Entries:** A section with the text 'Enter / manage your manual entry data here' and a 'Manage Manual Data Fields' button.
- Liquid Feed:** A table showing liquid feeding data with columns for Room, Valve, and Amount. A 'View' button is located at the bottom right of this section.
- Pig Weights:** A table showing pig weight data with columns for Zone, Min, Max, and Avg. Each row has a 'View' button. A 'View/Manage Batches' button is located at the bottom right of this section.

Dry/Liquid Feed – If your feed system is integrated you can access the charts and tables here

View/Manage Batches – Edit and delete batch information for the GrowthSensor (start and end date, weight in and any notes)

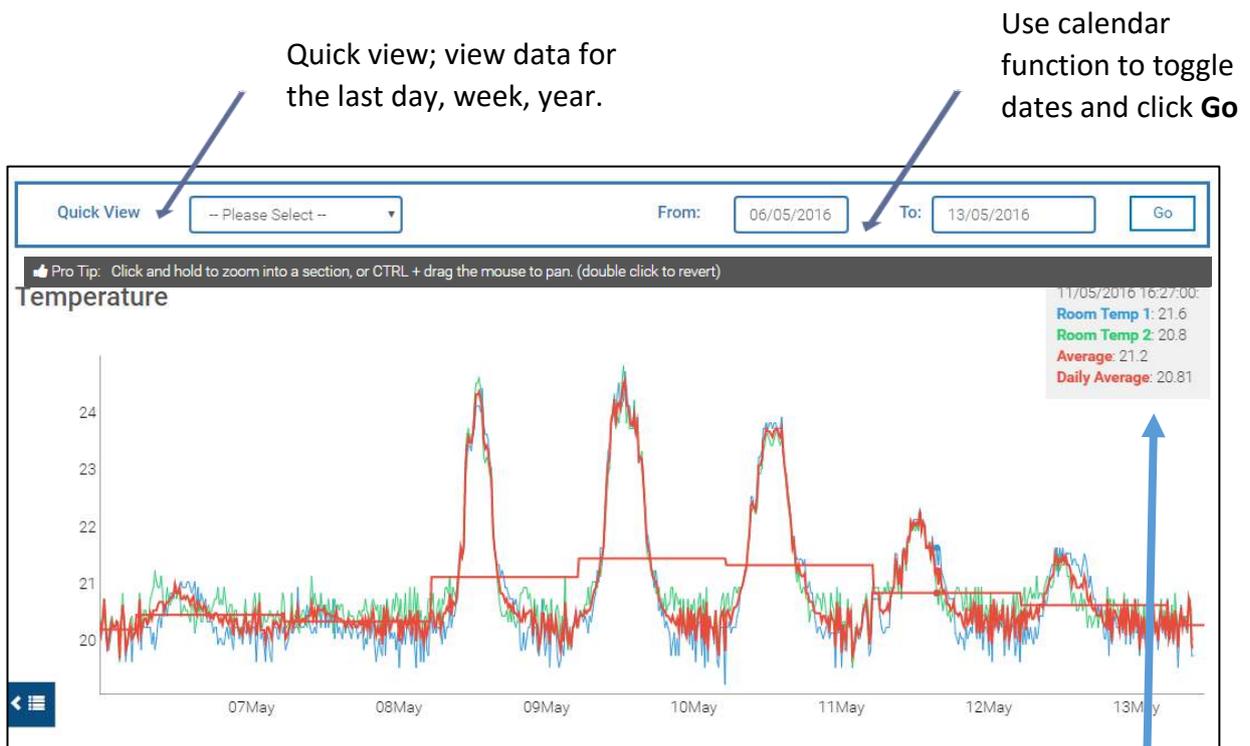
Zone Statistics

Select a zone from the drop down menu and select **View** to see ActiveCharts for a specific room. All available charts for the zone will be displayed on one page.

Zone Statistics

Make a selection below to view the charts for a zone.

G01 View >



ControlShift and Click & Drag the mouse to pan the graph. Double click to return to the default view.

Hover over the graph with your mouse and the legend will have axis labels and figures

Pig Weights

To navigate to the Pig Weights graph;

- Go to the ActiveCharts Dashboard
- Find the **Zone** of interest under Pig Weights
- Click **View**

Pig Weights				
The following information is available for pig weights				
Zone	Min	Max	Avg	
Finisher 1 - pen 4	0.00 Kg	0.00 Kg	0.00 Kg	View >
Straw 5a	72.40 Kg	117.18 Kg	99.04 Kg	View >
Straw 5b	75.33 Kg	114.14 Kg	95.25 Kg	View >

1. Growth Chart

Average Daily Gain for the time period selected

Quick view; view data for the last day, week, year.

Use calendar function to toggle dates and click **Go**

Hover over the graph with your mouse and the legend will have axis labels and figures



- Blue dots are the individual pig weights
- Red line is average daily weight.
- Orange line is linear regression of data to give you the ADG

To export weights as an Excel file, select the dates of interest and click export

2. Last Weeks Stats

The **Last weeks stats** table summarises the descriptive statistics of the weight data over the past 6 days (including the current day)

Last Weeks Stats						
	30/06/2016	01/07/2016	02/07/2016	03/07/2016	04/07/2016	05/07/2016
Number Of Pigs	60	60	60	60	60	60
Number Of Weighings	29	22	27	19	20	0
Min Weight	44.02	45.09	45.65	46.3	46.81	N/a
Max Weight	82.15	83.33	84.11	83.46	84.25	N/a
Mean Weight	65.46	68.31	69.12	66.26	62.45	0.00
Standard Deviation	13.95	15.39	13.26	14.68	15.52	0.00
Coefficient Of Variation	21%	23%	19%	22%	25%	0%

Export Stats
From: 04/07/2016
To: 05/07/2016
Export

Historical data can be exported in an excel file using the **Export Stats** function. Select the period of interest using the **calendar toggles** and the click **Export**.

View/Manage Batches

Pig Weights			
The following information is available for pig weights.			
Zone	Min	Max	Avg
Old ARM	105.29 Kg	128.21 Kg	120.93 Kg
(data for yesterday.)			

[View](#)
[View/Manage Batches](#)

Select to view & edit current and historical batch records for each room

Select to add a new batch entry. (You will need entry date /weight)

Current Batches						
Zone	Start	End	Description	Duration	⚙️	⊖
Old ARM	12th April 2016			84 days	Edit	Delete

[Add New Batch Entry](#)

Delete the current batch or edit weight/date records

Enter the start date & end date.

Adding New Batch

[< Return to list](#)

Zone	Start	End	Description	Other Optional Parameter (leave blank if N/a)
Old ARM	05/07/20			Weight field value

[Save](#)

Select the zone in which the growth sensor is positioned

Enter the start weight (kg)

Manual Entries

Select to manually enter room set temp, pig numbers or pig weights

Manual Entries

Enter / manage your manual entry data here.

[Manage Manual Data Fields >](#)

Then select a zone from the drop down menu and view

Enabled zones

Make a selection below to manually input data for that zone.

A1 [View](#)

Data entry

Room Set Temp	Number of pigs
Room Set Temp: Value: 2016-07-05 14:49:00	Pig Numbers: Value: 2016-07-05 14:49:00
Weight of pigs	
Weight: Value: 2016-07-05 14:49:00	

[Save Changes](#)

Enter the relevant zonal information and select save.

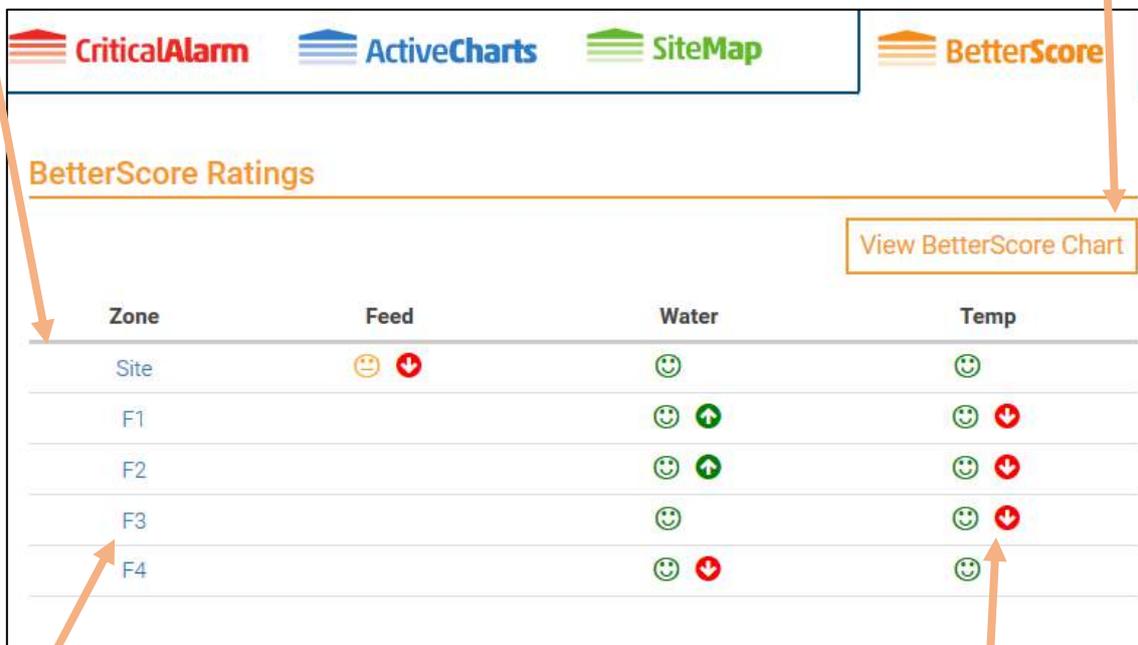
BetterScore is a real-time data scoring and flexible notification system. Variability in feed and water consumption as well as room temperature can significantly affect the growth performance of your pigs, so BetterScore continuously analyses and evaluates these parameters and scores them on a daily basis.

BetterScore can also trigger phone, text or email notifications when a significant increase in variability is detected so you are aware when a problem arises. These settings are amended in CriticalAlarm.

BetterScore Dashboard

The better score dashboard will show shows a list of all zones to which the user has access.

Clicking on the view icon will display the overall charts.



Zone	Feed	Water	Temp
Site	😊 ↓	😊	😊
F1		😊 ↑	😊 ↓
F2		😊 ↑	😊 ↓
F3		😊	😊 ↓
F4		😊 ↓	😊

View BetterScore Chart

Clicking on the zone name will take you to the water/temperature/feed charts for that zone

Feed, temperature and water data is scored on a daily basis. A green smiley face indicates good, orange is ok and red is bad. An arrow shows you the direction of the trend.

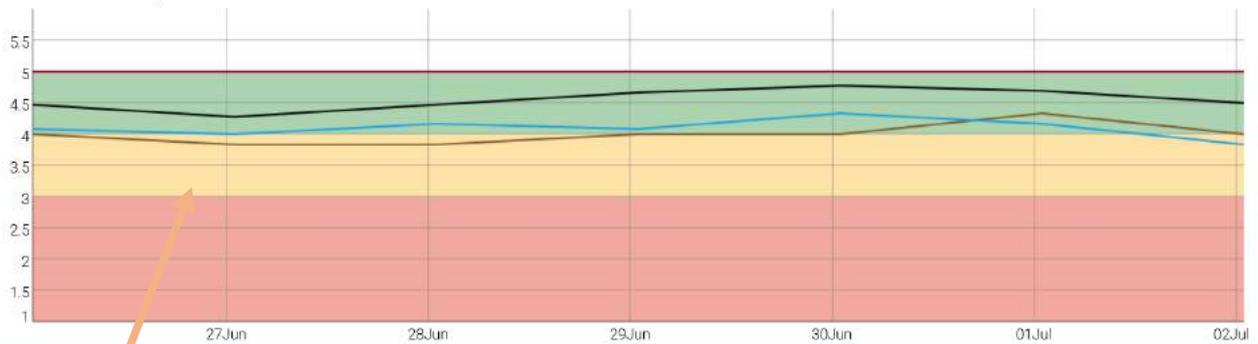
BetterScore Chart

BetterScore charts shows the overall scores for your site (all zones combined).

The date can be selected to shown how scores have changed

Quick View From: To:

BetterScore Graph



The chart is colour coded to show you how each parameter (feed/temperature/water) is scored. Green = good, yellow = ok, red = poor

Tip - If you have more than one site on BarnReport Pro then the BetterScore Chart is a useful tool for easy comparison of site performance.

BetterScore Notifications

BetterScore notifications are derived from the BetterScores. The scores are from 1 (bad) to 5 (good). Any score of 2 or below will generate an alarm. BetterScore notifications are enabled via CriticalAlarm and can be configured to call, text or e-mail users.

There is a score for feed, water and temperature.

Area	Rule	Description
Feed	Trend	The trend is for the last 5 days. If feed use is static or declining, an alarm is created
	Pattern	The greater the difference in the pattern of usage between the last two days, the lower the score
	Outage	If a feed auger is running constantly, it's assumed to be bridging. If it's in this state for longer than 45 minutes, an alarm is created
Water	Trend	The trend is for the last 7 days. If water use is static or declining, an alarm is created
	Pattern	The greater the difference in the pattern of usage between the last two days, the lower the score
	Leakage	The assumption is that water usage should drop to zero, or close to zero, at some point in a 24 hour period. If this doesn't happen, an alarm is created
Temperature	Range	The greater the difference between any two sensors in the last two days, the lower the score. A difference of more than 8 degrees will result in an alarm
	Changes	The greater the difference between the mean temperature of the last two days, the lower the score. A difference of more than 2 degrees will result in an alarm
	Control	The more the temperature deviated from the mean in the last day, the lower the score. A standard deviation of more than 4 will result in an alarm