

Metering and allocation information in Gasport

Explanation Gasport screens for connected parties

By
Market Transition Team

Department
GTS

Report
Metering and allocation information in Gasport for connected parties

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Introduction

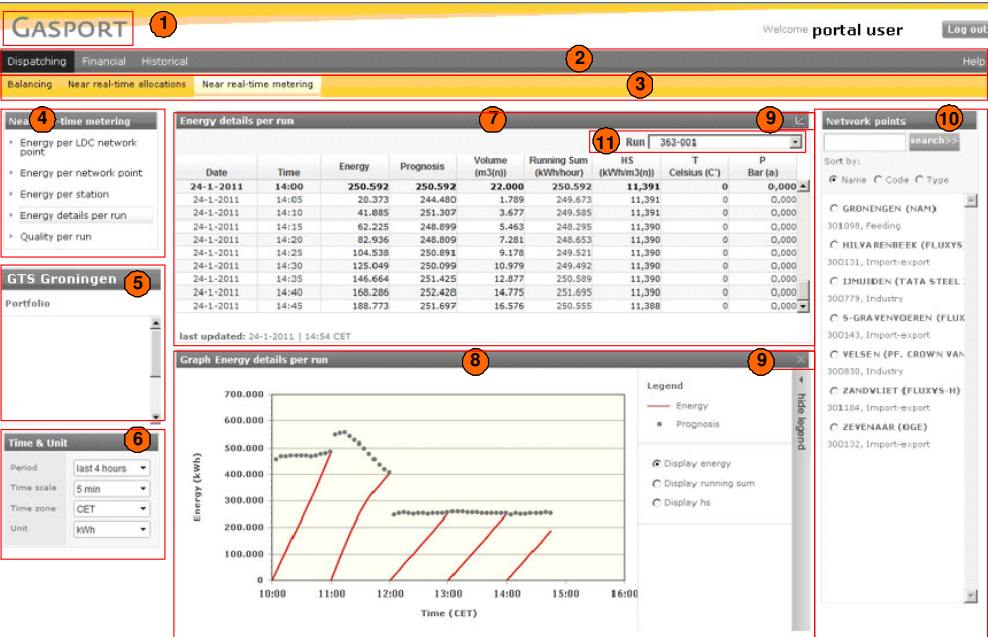
This document provides more detailed information on the allocation and metering functionality that will be provided by means of Gasport to connected parties. The functionality described in this document will be available late March 2011. Parties that want to be able to download the information presented in Gasport, should make use of the download service that GTS offers. This service is called of the Business 2 Business information service and allows parties to download information by means of predefined (XML) messages. Detailed information on these (XML) message can be found at the GTS website under market transitions
(<http://www.gastransportservices.nl/en/markttransition/documents>)

Please note: Gasport does not support downloading of the information that is presented in the Gasport screens.

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1 General functions Gasport

Introduction	<p>Gasport is the portal of GTS, where clients of GTS can view general information and data which is relevant to their portfolio(s). For connected parties this information concerns metering, supplier allocations and invoices. Also the GTS System Balance Signal and the Bid Price Ladder are accessible.</p>	
Structure	 <p>1 – Gasport logo 2 – Main menu 3 – Sub-menu 4 – Sub sub-menu 5 – Portfolio selection box 6 – Time & Unit selection box 7 – Content window 1 8 – Content window 2 9 – Content window icons (Graph/Details/Close) 10 – Network point selection box (Single select/Multiple select) 11 – Station/Run selection box</p>	
Navigation	<p>1 - Home page</p> <p>2 - Main menu</p> <p>3 - Sub menu</p> <p>4 - Sub sub menu</p>	<p>Clicking on the Gasport logo will return you directly to the Gasport home page.</p> <p>This menu bar will appear when you enter Gasport. If you scroll down with your cursor over the different menu items, the sub-menu options beneath these items will appear in the sub-menu bar.</p> <p>The way to make a choice in this menu bar is to click on a menu option in the sub-menu bar. When doing this, the sub sub-menu will appear.</p> <p>The detailed navigation options are shown in the sub sub-menu. In this window you can make a definitive selection, after which the data is shown in the content window(s).</p>

Selection	5 - Portfolio	Connected parties will normally only see one information portfolio. In case the direct connected party is also an End user With EXit (EWEX) capacity a transport portfolio will also be visible. For the retrieval of allocation and metering data the information portfolio needs to be selected						
		<table><tr><th>Type of portfolio</th><th>Description</th></tr><tr><td>TR</td><td>Transport</td></tr><tr><td>IP</td><td>Information</td></tr></table>	Type of portfolio	Description	TR	Transport	IP	Information
	Type of portfolio	Description						
TR	Transport							
IP	Information							
	6 - Time and unit	To view data for specific time periods, there is a Time & Unit box in which selections can be made. In the Dispatching section, these selections are always shown in the form of different parameters for which a choice has to be made from a list of possible values. In the Historical section, an open choice can be made for the dates and hours for which the user wants to view data.						
Output formats	7 – Content window 1 Tabular screen	<p>If a menu option has been selected, the primary results of the information request will be in the form of a table containing the requested data.</p> <p>Auto-refresh – In the Dispatching section of Gasport, there is an automatic refresh mechanism. This can be recognized by a timestamp which is located at the bottom of the different content windows.</p> <p>Maximum amount of data – In tables it is only possible to view a maximum of 744 (31 x 24) values simultaneously.</p> <p>Dutch value and date notation – All values and dates will be shown according to Dutch conventions. This means that the dot will be used as a thousand separator (1.000.000) and the comma will be used for decimals (1,34). The dates will also conform to Dutch rules. For example, 3 July is displayed as 03-07-2011.</p> <p>Table – Some tables allow a manual sorting functionality. The data in the table can then be sorted by clicking on one of the column headers.</p>						
	8 – Content Window 2	<p>Based on the information shown in content window 1 it is possible to view additional information in content window 2. The additional information can be:</p> <ol style="list-style-type: none">1. a more detailed view of the information shown in content window 12. A graph based on the information shown in content window 1						

	9 – details	If additional detailed information is available a details icon (9) will be shown in the title bar of content window 1.
	9 – graph	<p>In addition to a details table, it is also possible to view the data in a graph. In cases where this is possible, a Graph icon (9) will be shown in the title bar of the content window in which the table is shown. By clicking on the icon, the graph will appear in the bottom half of the screen. Clicking on the graph icon once more will make the graph disappear.</p> <p>Because of readability reasons there is a limitation on the amount data that can be presented in a graph. If it is not possible to view the data in a graph, this is clearly shown by means of a stop sign on the graph icon, or the automatic closing of the graph window if it is no longer possible to show the graph as result of the changing selection parameters.</p> <p>Special features are made available to render graphs more readable. First, the legend which always appears on the right-hand side of the graph can be hidden, after which the graph resizes to make optimum use of the space available. Second, the change in gas days is made visible by a vertical red line in Dispatching. Third, a mouse-over functionality can be used in the graphs to view detailed information concerning the points in the graph</p>
	9 – close	If the information in content window 2 no longer needs to be visible it is possible to close content window 2 by click on the close icon (9) which is shown in the title bar of content window 2.
	9 – download	<p>The information presented in the Gasport screens can not be downloaded. To download the information GTS offers the B2B information services.</p> <p>Gasport does not support download functionality</p>
	10 – network point selection	<p>In case information on network point level can be retrieved, the network point selection box is visible. Only network points which are active within the selected portfolio are visible by default.</p> <p>The selection box has 2 different modes:</p> <ul style="list-style-type: none"> - single select: it is only possible to select one network point. After selection the relevant network point content window 1 will be refreshed. - multiple select: it is possible to select more than one network point. Due to performance reasons the maximum of selected network points is limited to 20. After the desired

		<p>network points have been selected the apply button needs to be pressed to refresh content window 1.</p> <p>To search for a certain network point it possible to enter search criteria based on:</p> <ul style="list-style-type: none"> - part of the name (for example Oude, or Botlek) - network point number (for example 301112) - or network point type. (for example industry of LDC) <p>After pressing search the list of shown network points will be limited to the network points that meet the selection criteria and the network points that where already selected.</p> <p>It is also possible to sort the list of network points.by selecting one the option buttons (name, code and type) to sort the list. By default no sorting is applied.</p>
	11 – Station/Run selection	In case information can be retrieved on station or run level, the station-run selection box is visible. The available stations or runs in the selected box are determined by the selected network point in the network point selection box.
	Storage selections	<p>Selections made throughout Gasport will be stored for re-use across the portal. This applies to Portfolio and to Time & Unit selections.</p> <p>For pre-selection purpose, it is sometimes possible to choose only one value from a drop-down list. In this case, the drop-down list is disabled and presented on the screen with only one value. For example, if data is only available in CET format, the drop-down list 'Time zone' is presented with only one value: 'CET' - and cannot be changed by the user.</p>
Mouse-over	Icons and graph	A mouse-over function is available throughout Gasport. This is available both in graphs to view the values for specific data points, and for icons (e.g. print, download), which are shown throughout Gasport.
Home page	System notifications	There will always be two notifications on the homepage which give information on the status of Gasport. For example, notification may indicate that Gasport will be unavailable due to planned maintenance work.

2 Energy & Quality metering information.

2.1 Introduction

The energy and quality metering information within Gasport consists of:

1. the near real-time energy and quality metering screens which are located in the dispatch menu and
2. the offline energy and quality metering screens which are located in the historical menu.

In the dispatch screens the energy and quality metering data of the last 36 hours can be retrieved. In the historical screens only the offline metering data is retrievable as soon as the data is available to GTS. In the following paragraphs the offered functionality will be described in more detail.

2.2 Near real-time energy metering

The near real-time energy metering part of Gasport provides the customers of GTS real-time information on network point, station and run level. Quality metering is only available at run level.

Near real-time energy metering has two status fields to define the quality of the energy measurement, called: Metering Disturbed and Quality Disturbed. In the tabular views in Gasport the status is visualized by the colour of the near real-time energy values. The status fields are not used in the graphs.

In the near real-time energy metering screens the status presentation is as follows:

Energy status		Energy, Prognosis, Running sum and Volume value colour	Hs value colour
Metering Disturbed	Quality Disturbed		
N	N	Normal (black)	Normal (black)
Y	N	Red	Normal (black)
N	Y	Blue	Blue
Y	Y	Red	Blue

Additionally, **bold green** is used in the 1 hour time scale view of the network point energy for the current prognosed energy when presented in the energy column.

Near real-time quality metering has one status field to define the quality of the quality measurement, called: Quality Disturbed. In tabular views the status is visualized by the colours of the near real-time quality values. The status field is not used in the graphs.

In the near real-time metering screens the status presentation is as follows:

Status	Quality value colour
Quality Disturbed	
N	Normal
Y	Red

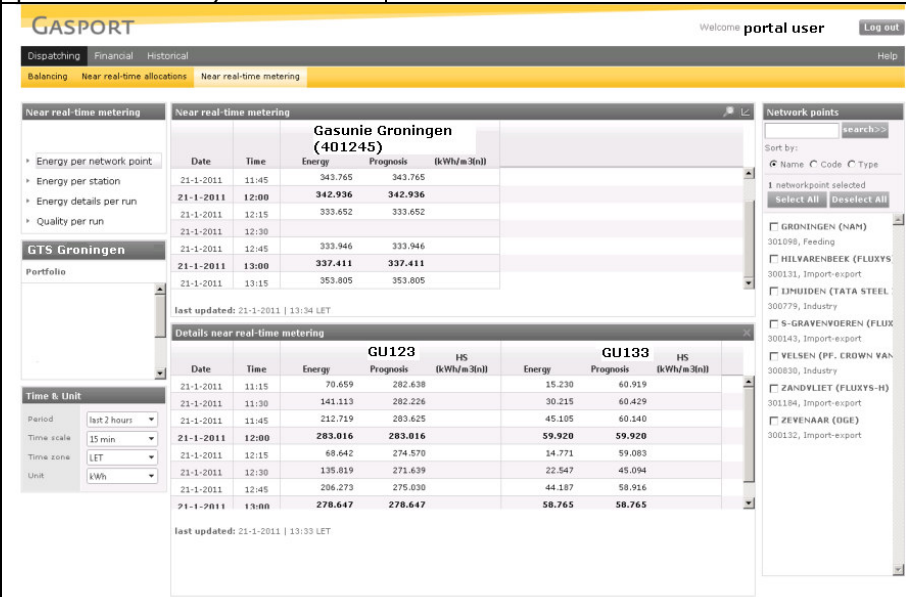
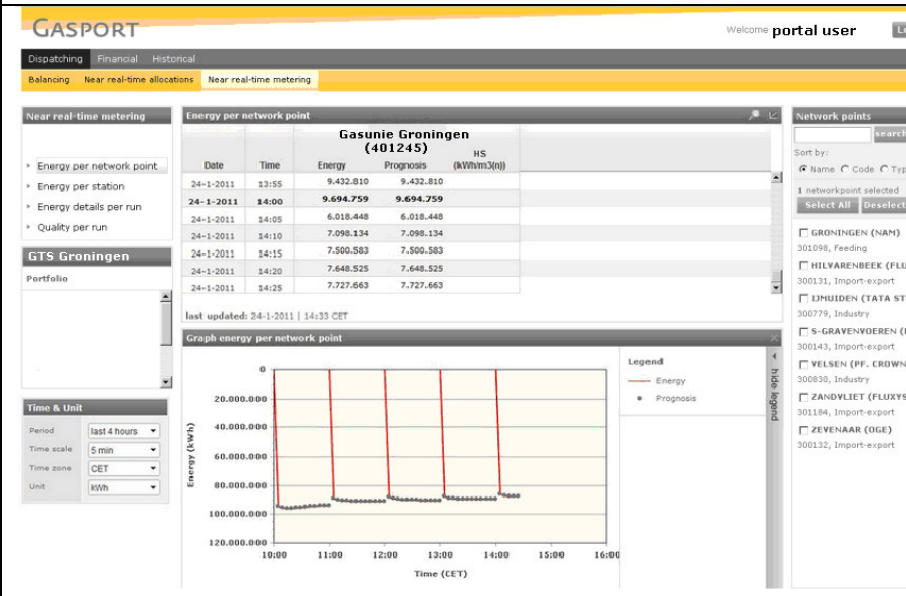
The Quality Disturbed colour is applied to the following near real-time quality values:

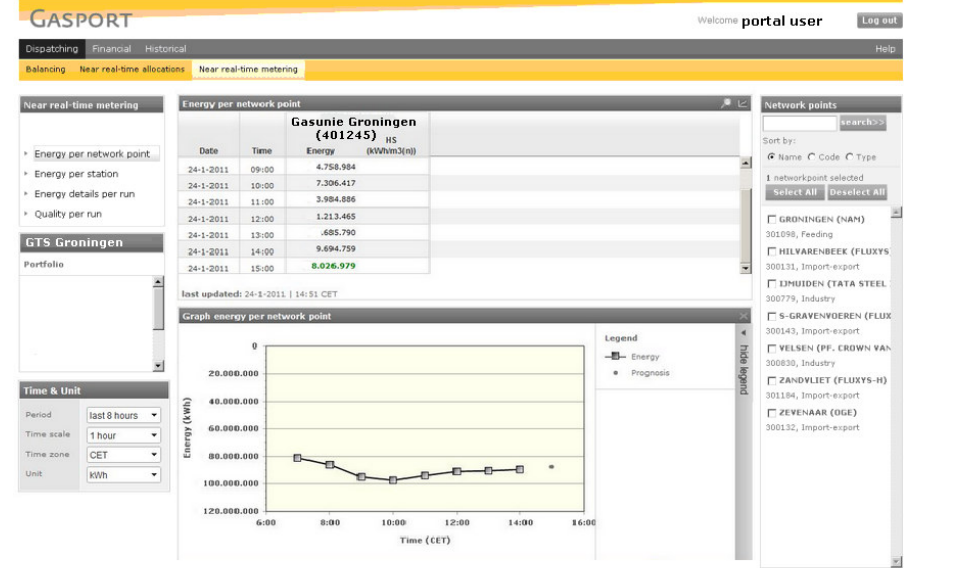
- Superior calorific value (Hs)
- Inferior calorific value (Hi)
- Relative density (d)
- Wobbe index (W)
- Hydrogen (H2)
- Carbon monoxide (CO)
- Carbon dioxide (CO2)
- Nitrogen (N2)
- Methane (CH4)
- Ethane (C2H4)
- Ethane (C2H6)
- Propane (C3H6)
- Propane (C3H8)
- I-butane (I-C4H10)
- N-butane (N-C4H10)
- I-pentane (I-C5H12)
- N-pentane (N-C5H12)
- Neo-pentane (Neo-C5H12)
- Component C4+ (C4+)
- Component C6+ (C6+)

Notice that Temperature and Pressure will have no status colour. In the next paragraphs the screens to retrieve the near real-time energy and quality metering data will be described in more detail.

2.2.1 Near real-time energy metering data per network point.

Purpose of this function	<p>Allow a connected party to view the measured energy values, prognosed energy values and superior calorific values (Hs) of the network points in their information portfolio of the last 36 hours.</p> <p>The function offers a graph and details (distribution per station) if only one network point has been selected.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. It is possible the select multiple network points</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Period - Time scale

		<ul style="list-style-type: none"> - Time zone - Unit <p>Each option has its own default. All selected values will be kept as 'preferred' selection.</p>
Output formats	Tabular screen	Default presentation
	Details (only if one network point is selected)	Click on details icon
	Graph (only if one network point is selected)	Click on graph icon
Output example tabular with details		
Output example tabular with graph (Time scale 5 min)		

<p>Output example tabular with graph (Time scale 1 hour)</p>	 <p>The screenshot displays the GASPORT web application interface. The main content area shows 'Energy per network point' for 'Gasunie Groningen (401245) HS'. It includes a table with columns for Date, Time, and Energy (kWh/m3(n)). The table shows data for 24-1-2011 from 09:00 to 15:00. A graph below the table shows 'Graph energy per network point' with Energy (kWh) on the Y-axis and Time (CET) on the X-axis. The graph shows a line for 'Energy' and a point for 'Prognosis'. The sidebar on the left contains filters for 'Energy per network point', 'Energy per station', 'Energy details per run', 'Quality per run', and 'GTS Groningen'. The sidebar on the right shows 'Network points' with a search bar and a list of points.</p>
<p>Automatic refresh</p>	<p>Every 5 minutes the screen content will be refreshed automatically.</p>

2.2.2 Near real-time energy metering data per station.

<p>Purpose of this function</p>	<p>Allow a connected party to view the measured energy values, prognosed energy values and superior calorific values (Hs) of the runs for a selected station belonging to the selected network point. The information is available for the last 36 hours.</p> <p>The function offers a distribution per run and a graph for the selected station belonging to the one network point that has been selected.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. Only single select of a network point is possible</p>	
<p>Required navigation</p>	<p>Portfolio selection</p>	<p>Default information portfolio is selected.</p>
	<p>Time and unit selection</p>	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Period - Time scale - Time zone - Unit <p>Each option has its own default. All selected values will be kept as 'preferred' selection.</p>
<p>Output formats</p>	<p>Tabular screen</p>	<p>Default presentation</p>
	<p>Graph</p>	<p>Click on graph icon</p>

Output example
tabular

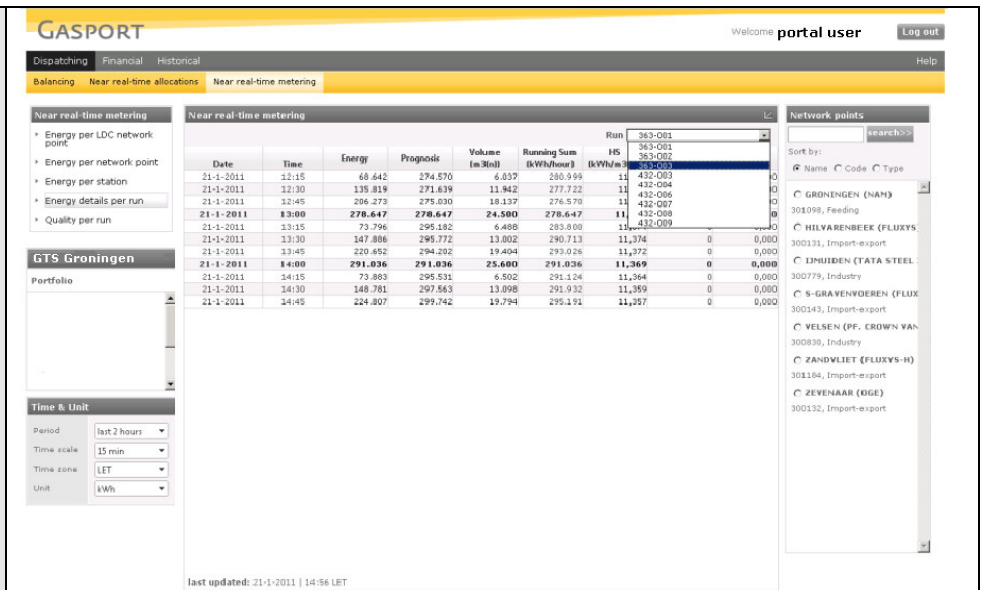
Automatic refresh

Every 5 minutes the content will be refreshed automatically.

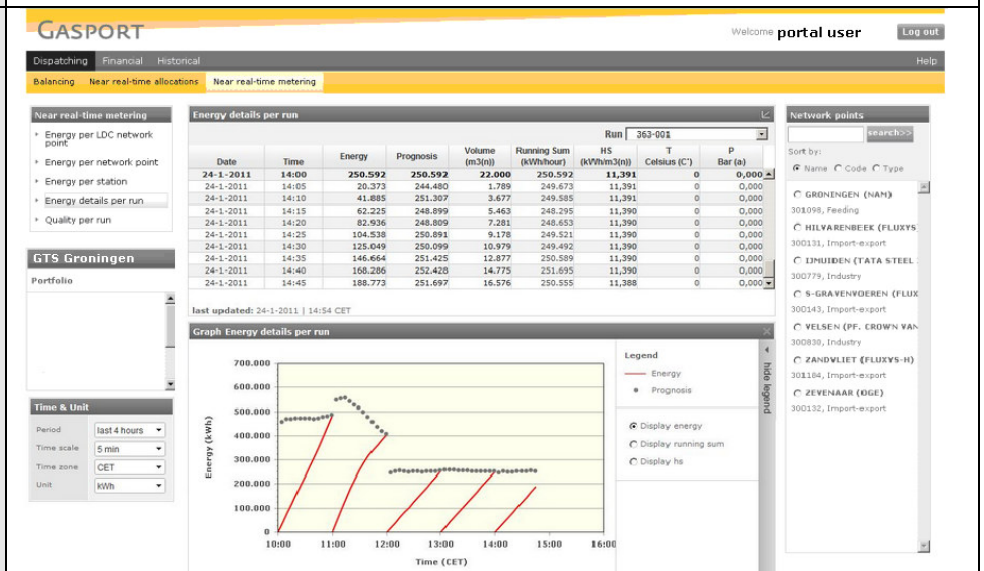
2.2.3 Near real-time energy metering data per run.

Purpose of this function	<p>Allowing a connected party to view the measured energy, prognosis, running sum (Q), superior calorific values (Hs), temperature (T) and pressure (P) of a run belonging to the selected network point. The information is available for the last 36 hours.</p> <p>The function offers information per run and a graph belonging to the 1 network point that has been selected.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. Only single select of a network point is possible</p>	
Required navigation	Portfolio selection	Default the information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Period - Time scale - Time zone - Unit <p>Each option has its own default. All selected values will be kept as 'preferred' selection.</p>
Output formats	Tabular screen	Default presentation
	Graph	Click on graph icon

Output example
tabular



Output example
tabular and graph
(time scale 5
minuts)



Automatic refresh

Every 5 minutes the screen content will be refreshed automatically.

2.2.4 Near real-time quality metering per run.

Purpose of this
function

Allow a connected party to view the measured quality components on the network points in their information portfolio of the last 36 hours. The metering information is selected and displayed on run level.

Quality information is only available in 15 minute value intervals. With this service the time scale selection control shows 15 min and selection of other values is disabled.

Some quality component are presented in the selected Unit of Measurement (UoM)

Overview of the measured quality components

	H2 (Mol %)	Relative amount of Hydrogen.
	CO (Mol %)	Relative amount of Carbon monoxide.
	CO2 (Mol %)	Relative amount of Carbon dioxide.
	N2 (Mol %)	Relative amount of Nitrogen.
	CH4 (Mol %)	Relative amount of Methane.
	C2H4 (Mol %)	Relative amount of Ethane.
	C2H6 (Mol %)	Relative amount of Ethane.
	C3H6 (Mol %)	Relative amount of Propane.
	C3H8 (Mol %)	Relative amount of Propane.
	I-But (Mol %)	Relative amount of I-butane.
	N-But (Mol %)	Relative amount of N-butane.
	I-Pent (Mol %)	Relative amount of I-pentane.
	N-Pent (Mol %)	Relative amount of N-pentane.
	Neo-Pent (Mol %)	Relative amount of Neo-pentane.
	C4+ (Mol %)	Relative amount of Component C4+.
	C6+ (Mol %)	Relative amount of Component C6 +.
	Hs (<UoM>/m3(n))	Superior calorific value.
	Hi (<UoM>/m3(n))	Inferior calorific value.
	d (-)	Relative density.
	W (<UoM>/m3(n))	Wobbe index.
	<p>The function offers information per run and a graph belonging to the one network point that has been selected.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. Only single select of a network point is possible.</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Period - Time scale - Time zone - Unit <p>Each option has its own default. All selected values will be kept as 'preferred' selection.</p>
Output formats	Tabular screen	Default screen presented

Output example
tabular with no
details.

<p>Output example tabular with no details.</p>		
Automatic refresh	Every 5 minutes the screen content will be refreshed automatically.	

2.3 Offline energy and quality metering.

The offline energy metering part of Gasport provides connected parties with the following offline metering information:

1. Energy metering data on network point, station and run level.
2. Quality metering data on run level
3. Rest energy (in Dutch rest volumes) data on network point and station level

The offline metering data originate from the offline metering process which differs from the near real-time metering. The offline metering data differ in several respects, mainly:

- Offline metering is only historical.
- The offline metering is settled per hour. There are no 5 minute interval values.
- Offline metering uses other statuses.
- There is no automatic refresh of the content screens.
- There is no graph function available.

The offline energy metering has three statuses called: Corrected, Estimated and Accurate. In tabular views the status is visualized by the colours of the offline values. The status fields are not used in the graphs.

The tabular energy status presentation of the historical offline energy values is the following:

Status			Energy value colour
Corrected	Estimated	Accurate	
N	N	Y	Normal
Y	(any)	(any)	Green
N	(any)	N	Red
N	Y	(any)	Red

The corrected, estimated and accurate status colours are applied to the following offline values:

- Energy
- Superior calorific value (Hs)
- Relative density (d)
- Carbon dioxide (CO₂)
- Nitrogen (N₂)

Remarks:

- For aggregation to gas day or gas month, aggregation of the hourly statuses is done as follows:
 - o Corrected if any hourly offline measurement is corrected;
 - o Estimated if any hourly offline measurement is estimated;
 - o Accurate only if all hourly offline measurements are accurate;
 - o If during the day an hourly measurement is estimated and an hourly value is corrected the status is estimated.
- The supplied statuses are not applicable to Rest Energy. It is assumed that rest energy is always considered reliable.

Next to metering information it is also possible to request a calibration report and a gas meter certificate for a run.

The following time and unit selection options apply for the offline energy and quality measurement screens:

1. Date from (dd.mm.yyyy)
2. Time from (hh:00)
3. Date to (dd.mm.yyyy)
4. Time to (hh:00)
5. Aggregation (hour, gas day, gas month). Default is hour.
For Rest energy: only gas month is offered and the selection will be disabled.
6. Time zone (CET, LET). Default CET.

Unit of measurement (MWh, kWh, MJ, GJ and m³(n;35,17)). Default is kWh

2.3.1 Offline energy metering per network point

Purpose of this function	<p>Allow a connected party to view the offline measured energy values of the network points in their information portfolio over 7 years in the past.</p> <p>The function offers a graph and details (distribution per station) if only one network point has been selected.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. It is possible the select multiple network points</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Date from - Time from (whole hours) - Date to - Time to (whole hours)

		<ul style="list-style-type: none"> - Time zone - Unit - Aggregation <p>Each option has its own default. All selected values will be kept as the 'preferred' selection.</p>
Output formats	Tabular screen	Default presentation
	Details (only if one network point is selected)	Click on details icon

2.3.2 Offline energy metering per station

Purpose of this function	<p>Allow a connected party to view the measured energy values of runs for a network point on a selected station, over 7 years in the past.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. Only single select of a network point is possible. Based on the selected network point, a list of stations is available.</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Date from - Time from (whole hours) - Date to - Time to (whole hours) - Time zone - Unit - Aggregation <p>Each option has its own default. All selected values will be kept as the 'preferred' selection.</p>
Output formats	Tabular screen	Default presentation

2.3.3 Offline quality metering per run

Purpose of this function	Allow a connected party to view the measured accountable quality components on the network points of their information portfolio over a period up to 7 years. The metering information is selected on and displayed on run level.	
	Overview of the measured quality components	
	Hs (<UoM>/m3(n))	The superior calorific value, volume weighted average of the offline measurements. UoM is the selected Unit of Measure
	d (-)	The relative density, volume weighted average of the offline measurements.
	N2 (Mol %)	Relative amount of Nitrogen, volume weighted average of the offline measurements.
	CO2 (Mol %)	Relative amount of Carbon dioxide, volume

		weighted average of the offline measurements.
	<p>The network point selection shows the network points for which the customer is allowed the request the information. Only single select of a network point is possible. Based on the selected network point, a list of runs is available.</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Date from - Time from (whole hours) - Date to - Time to (whole hours) - Time zone - Unit - Aggregation <p>Each option has its own default. All selected values will be kept as the 'preferred' selection.</p>
Output formats	Tabular screen	Default presentation

2.3.4 Rest energy per network point

Purpose of this function	<p>Allow a connected party to view the measured rest energy of the network points on their information portfolio over 7 years in the past.</p> <p>Rest energy is only settled for calendar months. The monthly rest energy is displayed together with the total energy for the selected gas month. The time scale selection control shows the gas month and selection of other values is disabled.</p> <p>The network point selection shows the network points for which the customer is allowed to request the information. Only single select of a network point is possible.</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Date from - Time from (whole hours) - Date to - Time to (whole hours) - Time zone - Unit <p>Each option has its own default. All selected values will be kept as the 'preferred' selection.</p> <p>The aggregation level is fixed on month.</p>
Output formats	Tabular screen	Default presentation

2.3.5 Rest energy per run

Purpose of this function	<p>Allow a connected party to view the measured rest energy of the runs for a station of the network points on their information portfolio over 7 years in the past.</p> <p>Rest energy is only settled for calendar months. The monthly rest energy is displayed together with the total energy for the selected gas month. The time scale selection control shows gas month and selection of other values is disabled.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. Only single select of a network point is possible. Based on the selected network point, a list of runs is available.</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Date from - Time from (whole hours) - Date to - Time to (whole hours) - Time zone - Unit <p>Each option has its own default. All selected values will be kept as the 'preferred' selection.</p> <p>The aggregation level is fixed on month.</p>
Output formats	Tabular screen	Default presentation

2.3.6 Request for run information

Purpose of this function	<p>Allow a connected party to request a calibration report and a gas meter certificate for a run.</p> <p>The run information request will trigger a background process that sends the requested information by e-mail *) to the customer. The calibration report and the gas meter certificate information itself is not shown in the portal; only the submission of the request for run information is supported. After the request a confirmation is displayed.</p> <p>*) The e-mail will be sent to the e-mail address that is linked to the certificate that was used to gain access to Gasport.</p> <p>The network point selection shows the network points for which the customer is allowed to request the information. Only single select of a network point is possible. Based on the selected network point, a list of runs is available.</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	Is not available/relevant for this request.
Output formats	Request form	Default presentation

3 Offline allocations.

The offline allocations originated from the offline allocation process have the following characteristics:

- Offline allocations are only historical.
- The offline allocations are settled per hour. There are no 5 minute interval values.
- Offline allocation uses the statuses: estimated and accurate.
- Supplier allocations are only calculated in the offline process.

Status offline allocations in gasport			
Screen	Description	Inaccurate	Estimated
Black	Data is accountable	N	N
Blue	Allocation data is inaccurate	Y	N
Red	Data is estimated	Y	Y

The data can be selected per hour, gas day or gas month. The gas day and gas month aggregations are computed as follows:

- Quantities are the sum of the hourly values;
- Hs is the volume weighted average of the hourly values of the hours for which the data are available;
- The statuses are:
 - Estimated if any hourly offline allocation is estimated;
 - Accurate only if all hourly offline allocations are accurate.
 - If during the day an hourly measurement is estimated and an hourly value is corrected the status is estimated.

The following selection options apply for the offline allocations:

1. Portfolio.
2. Date from (dd.mm.yyyy)
3. Time from (hh:00)
4. Date to (dd.mm.yyyy)
5. Time to (hh:00)
6. Network point(s).
7. Aggregation (hour, gas day, gas month). The default is: hour.
8. Time zone (CET, LET). The default is: CET.
9. Unit of measurement (MWh, kWh, MJ, GJ and m3(n;35,17)). Default is kWh.

3.1 Offline supplier allocations per network point

Purpose of this function	<p>Allows a connected party to view the offline supplier allocations for the selected network point. The supplier is identified by name and EAN-code.</p> <p>The network point selection shows the network points for which the customer is allowed the request the information. Only single select of a network point is possible.</p>	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	The following time and unit selections can be selected:

		<ul style="list-style-type: none"> - Date from - Time from (whole hours) - Date to - Time to (whole hours) - Time zone <p>Each option has its own default. All selected values will be kept as the 'preferred' selection.</p>
Output formats	Tabular screen	Default presentation

3.2 Change information

Purpose of this function	<p>Allows a connected party to view changes in offline allocation and metering data. The change information is offered by means of:</p> <ol style="list-style-type: none"> 1. A notification on the home screen of Gasport when there is new change information available since the last time the user has logged on to Gasport. 2. The menu option change information the historical offline allocation section parties can retrieved changes which where applied by GTS in the last 4 months 	
Required navigation	Portfolio selection	Default information portfolio is selected.
	Time and unit selection	<p>The following time and unit selections can be selected:</p> <ul style="list-style-type: none"> - Date from - Date to - - Display Time zone <p>Each option has its own default. All selected values will be kept as the 'preferred' selection.</p>
Output formats	Tabular screen	Default presentation

Recipient list

Archive, All connected parties which currently make use the OTIS systems Nimbus-IM and Dialog.