WEBVIEW

EN

Web Server embedded in DIRIS G communication gateway







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EN CONTENTS

1. DOCUMENTATION	
2. PRELIMINARY OPERATIONS	
3. INTRODUCTION	
3.1. General introduction	n
3.2. Versions	
4. STARTING	
5. CONFIGURATION	
5.1. Configuration hom	e page
5.2. Selecting the user	profile
5.3. Customising profile	s
5.4. Declaring/Devices	and Hierarchy
5.4.1. Step 1	Configuration
5.4.2. Step 2	· Devices
5.4.3. Step 3	· Load
5.4.4. Step 4	Hierarchies
5.4.5. Applying	g the configuration19
5.4.6. Saving ⁻	he configuration
5.5. Diagnostics	
6. USE OF THE GATEWAY	
6.1. Monitor process .	
6.1.1. Device	-unction
6.1.2. Alarms	Function
6.2. Analyse Process .	
6.2.1. Consun	nption Function
6.2.2. Trends	Function
6.3. Perimeter	
6.3.1. Opening	y the perimeter
6.3.2. Organis	ation Menu
6.3.3. Time Pe	riod Menu

1. DOCUMENTATION

All documentation on the VERTELIS WEBVIEW is available on the SOCOMEC website at the following address: http://www.socomec.com/webview_software



2. PRELIMINARY OPERATIONS

It is advisable to become thoroughly acquainted with the contents of this manual before using the VERTELIS WEBVIEW.

Here is the list of compatible browsers:

- Internet Explorer v9 and higher
- Firefox v24 and higher
- Chrome v30 and higher

We recommend using a screen with format 1280 x 900 pixels for optimum display legibility (reports and user interface).

The use of another screen format may cause changes in the display of certain zones.

3. INTRODUCTION

3.1. General introduction

The WEBVIEW software is part of the Vertelis application suite proposed by SOCOMEC. The Vertelis suite is composed of:

VERTELIS WEBVIEW: real time monitoring application **VERTELIS HYPERVIEW:** energy management system

The WEBVIEW web server is embedded in DIRIS G gateways and allows the monitoring of the measurements of up to 32 devices of the DIRIS Digiware, DIRIS B-30, DIRIS A range of measurement systems, COUNTIS energy meters, and displays the energy consumption of the installation. The user can access WEBVIEW via a web browser on a PC or a tablet.

3.2. Versions

There are two versions of the WEBVIEW software:

WEBVIEW	Function	Hosted on Gateway (32 devices max.)
Power Monitoring	Monitoring	DIRIS G-30
	WEBVIEW Function Hosted on Gateway (32 device max.) toring Monitoring DIRIS G-30 • Real time measurements DIRIS G-40 Monitoring • Real time measurements • Alarms DIRIS G-50	DIRIS G-40
Dowor & Enorgy Monitoring	Monitoring • Real time measurements • Alarms	DIRIS G-50
Fower & Lifergy Monitoning	Analysis • Measurement trends • Consumptions	DIRIS G-60

4. STARTING

Like all Web applications, the WEBVIEW software needs an Ethernet connection to a local network. Simply enter the URL of the DIRIS G gateway in the browser to access WEBVIEW.

The default IP address of the DIRIS G gateway is 192.168.0.2. This address can be modified using the configuration software Easy Config (see respective manual for more information).

5. CONFIGURATION

It is necessary to configure WEBVIEW to allow the most effective use of its functions. The different operations possible are described in detail below. Access to the configuration interface requires connection in Administrator mode (Admin).

5.1. Configuration home page



- 1. Customization of the 'User' and 'Admin' profiles
- 2. Declaration of the devices and administration of hierarchy
- 3. Hardware and software diagnostic tool
- 4. Selecting the user profile
- 5. Selecting the language

5.2. Selecting the user profile

There are three types of profiles:

- 'User' (default)
- 'Advanced User'
- 'Admin'

Access to the 'User' profile is automatic and does not require a password.

The selection of the 'Advanced User' or 'Admin' profiles allows configuration to be carried out. Important: If the system remains inactive for a few minutes (in 'Advanced User' or 'Admin' mode), it returns to the 'User' profile

	Monitoring	Analysis	Partial energy reset	Declaring/ Devices and Hierarchy	Diagnostics	Changing passwords	Default password
User	•	•			•		no password
Advanced User	•	•		•	•	Only Advanced User	UserAdvanced
Administrator	•	•	•	•	•	All	Admin

NB: Take care to respect upper and lower case letters in the passwords.

5.3. Customising profiles

This function allows you to change the password of the Administrator profile.

Just fill in the corresponding fields and confirm by clicking Modify.

₩ X			WEBVIEW-V1.1 😿
Des file	Profile		C
Profile	You have logged on with the profile : Admin		02/10/2014 21:31:17
	Password modification		
	Profile	Admin	
	Former password		
	New password		
	Confirm password	Modify	
			Socomec

5.4. Declaring/Devices and Hierarchy

Important prerequisite:

The "hardware" configuration of the gateway and of the connected devices must be done beforehand with the Easy Config software (see the DIRIS G & Easy Config documentation).

Once the operative gateway is accessible, the functional configuration of WEBVIEW can be implemented.



Hardware configuration with Easy Config (IP + Modbus Addressing)

Functional configuration with WEBVIEW (Products / Location / Hierarchy)

The function of declaring the <u>devices</u> and constructing the <u>hierarchies</u> relies on 4 indispensable steps to set the WEBVIEW correctly:

Configuration: creating (and saving) a configuration

Devices: setting of the devices

Load: description of the loads and association with the metering points supplied for each device <u>Hierarchies</u>: hierarchical organisation of the metering points



The layout example shown above acts as a framework in the configuration of WEBVIEW on the following pages. This example described a firm that wants to analyse the electrical consumption of its Building and subdivide this consumption according to the different loads: Heat Pump, Lights, Computers and other Auxiliary loads.



4 electric energy flows of the building are measured using two devices.

- 1 DIRIS B-30 device configured with 2 metering points:
- the arrival of all the electric energy of the Building
- the Heat pump
- 1 DIRIS Digiware device (U-30 + I-35) configured with 2 metering points:
- the lighting system of the building (Lights)
- the office equipment (Computers)

The consumption of the auxiliary equipment such as pumps, ventilation, motors, etc., is not measured directly but may be estimated by calculation.



5.4.1. Step 1 - Configuration

The tool for declaring <u>Devices & Hierarchy</u> opens automatically on step 1, allowing the user to read, open or create a configuration that will memorise all the parameters.



The interface allows a certain number of actions as detailed below:

- <u>Read configuration</u>: this action allows the automatic recovery of the set of parameters of the active configuration memorised in the gateway (e.g.: set devices, locations, general configuration)
- Apply configuration: applies the configuration being entered and overwrites the existing configuration
- New configuration: creation of a new configuration
- Open: allows the user to load a configuration file from a PC
- Export: allows the current configuration to be exported to the PC

5.4.2. Step 2 - Devices

The <u>Devices</u> step allows the user:

- To view the products detected by the gateway
- To pre-declare a new product to be connected to the gateway
- To give a name and a location to the products

The following screens describe the process to be followed depending on the product configuration. Ensure in advance that there is a good working communication between the gateway and the products.

Configuration 1 - The addresses of the products DIRIS and COUNTIS are not configured

Starting from the <u>Configuration</u> screen, click on <u>Read configuration</u> to recover the configuration parameters memorised in the DIRIS G gateway.

The following screen appears:

	WEBVIEW-V1.1 🔊
Device & My_first_Project Hierarchy	23/10/2014 11:01:07
<section-header><section-header><section-header></section-header></section-header></section-header>	

By choosing <u>Yes</u> the gateway parameters are loaded to access the <u>Devices</u> screen.

The List of products allows the user to view the configured products:

- The DIRIS G Gateway
- But not the meters (COUNTIS) and PMD (DIRIS), as their addresses have not yet been configured

	Configuration Device	Load Hierard	hies			
evice & erarchy	My_first_Project					23/10/2014 11:16:
						Confirm
New produc	:t					
Туре	Nam	ne A	ddress	Location	Number of products	
B-30 RF	▼ PMD_	1		1		Add to list
List of produ	ucts					
Туре	Name	Address	Location	Network ID		
Gateway						

In order to continue, the user must configure the product addresses using the methods at his disposal:

- Directly on the products
- With the Easy Config configuration software
- Using the auto-addressing procedure

(For further details on these configuration modes, see the manuals for the products and for Easy Config).

Configuration 2 - The addresses of the products DIRIS and COUNTIS are configured

Starting from the Configuration screen, click on Read configuration to recover the configuration parameters memorised in the DIRIS G gateway.

The following screen appears :



By choosing <u>Yes</u> the gateway parameters are loaded and the following messages to be confirmed then appear:

New devices have been de	New devices det	ected them to the	configuration being edited?
	Tes		1
	Success]
	Operation success OK	ful.	

This gives access to the <u>Devices</u> screen.

The List of products allows the user to view the configured devices:

- The DIRIS G Gateway
- The meters (COUNTIS) and PMD (DIRIS), as their addresses have been configured

The following are listed for each product:

- <u>Type</u>
- Name: Name already chosen at configuration with the Easy Config or name given by default
- Modbus Address
- Location: helps locate the physical position of the product in the installation. The field will be filled if completed at the time of configuration with the Easy Config, otherwise it will be empty

• <u>ID Network</u>: corresponds to a unique identifier unique present on the control units of the DIRIS B-30 and DIRIS Digiware

neral	anelly						Confirm
Nev	w product						
В	Type 3-30 RF	Name	e A	ddress	Location	Number of products	Add to list
Lis	st of product	ts					
	Туре	Name	Address	Location	Network ID		
G	Gateway	G50/G60	1				
1-3	-35 🔹	Product_6	6		5ED1D8	<u>.</u>	
1 U-	J-30 🔹	Product_3	3		351BE9	Ō	
B	3-30 RF 👻	Product_2	2		E9425E		

The configuration to be entered for the example chosen is the following:

Туре	Name	Location
I-35	Device 2 / Current	Division Board
U-30	Device 2 / Voltage	Division Board
B-30 RF	Device 1	Main

Pervice & ierarchy My_first_Project My_first_Project 24/10/2014 1 Configuration My_first_Project 24/10/2014 1 Configuration My_first_Project 24/10/2014 1 Configuration My_first_Project 24/10/2014 1 Configuration My Type Name Address Location Number of products Add to list List of products Type Name Address Location Network ID Gateway G50/G60 1 Main Image: State Stat									
Configuration Device & Load Hierarchies Device & My_first_Project 24/10/2014 1 Confirm New product New products 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <th></th> <th></th> <th></th> <th></th> <th>⊐í Ā</th> <th></th> <th></th> <th></th> <th></th>					⊐í Ā				
Device & iterarchy My_ftrst_Project 24/10/2014 1 Confirm New product Type Name Address Location Number of products B-30 RF PMD_ 1 1 Address Location Number of products Confirm Confirm Confirm Name Address Location Number of products List of products Type Name Address Location Network ID Gateway G50/G60 1 Gateway G50/G60 1 Main U30 Equipment 2 / Voltage B-30 RF Equipment 1 2 Main			Co	nfiguration Device	Load Hierarchi	ies			
Type Name Address Location Number of products B 30 RF PMD_ 1 1 Add to list List of products East of products 1 1 1 Continu List of products East of products Equipment 2 / Current 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 Equipment 2 / Current 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1)ev liev	vice & rarchy	M	y_first_Project					24/10/2014 13
Type Name Address Location Number of products B-30 RF PMD_ 1 1 Add to list List of products Type Name Address Location Network ID Gateway G50/G60 1 Main 135 Equipment 2 / Current 6 Division Board 5ED1D8 U-30 Equipment 2 / Voltage 3 Division Board 351BE9 B-30 RF Equipment 1 2 Main 111557									Confirm
Type Name Address Location Number of products B-30 RF • PMD_ 1 1 Add to list List of products Address Location Network ID Gateway G50/G60 1 Main 1:35 • Equipment 2 / Current 6 Division Board 5ED1D8 U-30 • Equipment 2 / Voltage 3 Division Board 351BE9 1:9-30 RF • Equipment 1 2 Main 111557	N	ew produ	et						Commit
Type Name Address Location Number of products B-30 RF PMD_ 1 1 1	14	ew produ							
List of products Type Name Address Location Network ID Gateway G50/G60 1 Main 1-35 • Equipment 2 / Current 6 Division Board 5ED1D8 U-30 • Equipment 2 / Voltage 3 Division Board 351BE9 B-30 RF • Equipment 1 2 Main 111557		Туре		Name	Ad	Idress	Location	Number of products	Add to list
List of products Type Name Address Location Network ID Gateway G50/G60 1 Main 1-35 • Equipment 2 / Current 6 Division Board 5ED1D8 U-30 • Equipment 2 / Voltage 3 Division Board 351BE9 B-30 RF • Equipment 1 2 Main 111557	4	B-30 RF		► PMD_	1		1		
TypeNameAddressLocationNetwork IDGatewayG50/G601Main1-35Equipment 2 / Current6Division Board5ED1D81U-30Equipment 2 / Voltage3Division Board351BE91B-30 RFEquipment 12Main111557	L	ist of prod	duc	ts					
Gateway G50//G60 1 Main — 1 H35 • Equipment 2 / Current 6 Division Board 5ED1D8 1 U-30 • Equipment 2 / Voltage 3 Division Board 351BE9 1 B-30 RF • Equipment 1 2 Main 111557		Туре		Name	Address	Location	Network ID		
I-35 Equipment 2 / Current 6 Division Board 5ED1D8 IU-30 Equipment 2 / Voltage 3 Division Board 351BE9 B-30 RF Equipment 1 2 Main 111557	i)	Gateway		G50/G60	1	Main			
U-30 Equipment 2 / Voltage B-30 RF Equipment 1	1	I-35	-	Equipment 2 / Current	6	Division Board	5ED1D8		
B-30 RF • Equipment 1 2 Main 111557	1	U-30	-	Equipment 2 / Voltage	3	Division Board	351BE9	<u>i</u>	
	b	B-30 RF	-	Equipment 1	2	Main	111557		

To move on to the next step Load, you must click on Confirm to record this Step of the configuration.

₩ ४		WEBVIEW-V1.	1 🗴
	Load Hierarchies		
Device & My_first_Project		23/10/2014	15:54:1
		Confirm	
New product			
Type Name B-30 RF PMD_	Address Location Number of products 1 1	Add to list	
List of products	Confirmation		
Type Name	Applying the configuration will erase the current configuration of the gateway. Do you want to continue?	io	
Gateway G50/G60 1	Yes No		
B-30 RF • Product_2 2			

Configuration 3 - Addition of products not yet connected to the DIRIS G gateway

If a product is not yet connected to the gateway, it can be added manually in the <u>New product</u> section. The user chooses the <u>Type</u> of product, assigns an <u>Address</u> to it and gives its <u>Location</u>. Several unconnected products can be added by completing the field <u>Number of products</u>.

By clicking on Add to list, the products are added to the List of products associated with the gateway.

If several products have been added, they will appear with an automatic incrementation of their address and their name.

In the example below, the DIRIS B-30 RF with address 7 has been added:

	X											WEBVIEW-V1.1	Ŕ
		C0	nfiguration Device	Load	Hierarchie	s							
Dev lier	vice & archy	My	/_first_Project									24/10/2014 13	3:07:3
												Confirm	
Ne	ew produc	t											
	Туре		Name		Add	Iress		Location	Numb	er of products			
	B-30 RF		✓ New Device		7		Test Add	d to list	1			Add to list	
Li	st of prod	uc	IS										
et [Туре		Name	Ad	dress	Locati	on	Network ID					
1	Gateway		G50/G60	1		Main							
	1-30		Equipment 2 / Voltage	0		Division Boar	-	351BE0	W				
b li	B-30 RF	-	Equipment 1	2		Main	<u> </u>	E9425E	w				
h li	B-30 RF	-	New Device	7		Test Add to li	st	000000	m				
80 I K													

To move on to the next step Load, you must click on Confirm to record this Step of the configuration.

5.4.3. Step 3 - Load

The Load stage allows you to describe the loads to be associated with each metering point.

	X					WEBVIEW-V1.1 💋
	Device &	Device Load Hiera	E Inchies			דר הר הר אמוימאירה
	Hierarchy ^{My_hrst_Pro}	oject				02/10/2014 22:22:37
						Confirm
h	Equipment 1					•
	Index	Load	Location	Fluid	Use	
	1	Building	Technical room	Electricity -	Undefined -	•
	2	Heat Pump	Technical room	Electricity	Heating	
1	Equipment 2 / Curren	t				^
	Index	Load	Location	Fluid	Use	
	1	Lights	Ground floor	Electricity 👻	Interior lighting	
	2	Computers	Ground floor	Electricity	Use1	•

The devices in the previous step present all their available metering points.

The number of associable loads depends on the configuration of the devices carried out in Easy Config or directly on the product.

For example, certain devices can measure 3 single-phase loads and 1 three-phase load.

In our example, the DIRIS B-30 and DIRIS Digiware U-30/I-35 measure respectively a three-phase load and a single-phase load.

A <u>Name</u>, a <u>Location</u> and a <u>Use</u> can be associated with each load. The location will indicate for example where the load is situated.

The configuration to be entered in this step for the example chosen is the following:

Equipment	Product name	Location	Load name	Use
B-30	Equipment 1	Technical room	Global	Undefined
B-30	Equipment 1	Technical room	Heat pump	Heating
U-30/I-35	Equipment 2	Ground floor	Lights	Lighting
U-30/I-35	Equipment 2	Ground floor	Computers	IT

The assignment of uses to the different loads will allow the presentation of a distribution of consumption by enduse.

5.4.4. Step 4 - Hierarchies

The construction of customised hierarchies is available only in DIRIS G-50 and G-60 gateways.

The <u>Hierarchies</u> step allows the organisation of the previously declared metering points in the form of a tree structure, offering a functional vision of the loads.

The hierarchy generally represents a geographical organisation (site =>buildings=>zones), allowing the display of a distribution of flows by zones.

Other representation modes are also possible: electric tables, services of an organisation, etc.

5.4.4.1. Construction rules

The hierarchy is constructed from the following 3 elements:

- Node: This models the tree structure in several hierarchical levels
- Loads: Corresponding to the available metering points supplied by the devices
- <u>Unmeasured point</u>: Automatic calculation of an unmeasured load (see example).

The rules for the construction of <u>Hierarchies</u> are as follows:

- A hierarchy is single-fluid (for example: Electricity) and cannot combine several fluids (water, gas, electricity)
- 10 different <u>Hierarchies</u> can be created

The hierarchy to be constructed for the example chosen is the following:



An "Unmeasured point" can be constructed to evaluate the "Auxiliary" flow which is not implemented:

• Auxiliary = Building - (Heat Pump + Lights + Computers)

5.4.4.2. Construction process:

1. Creation of a new hierarchy. The creation of a new hierarchy results in the appearance of the main node

₩¥			WEBVIEW-V1.1 😿
	Configuration Device Load	Hierarchies	
Device & Hierarchy	My_first_Project		02/10/2014 22:23:09
		New hierarchy Click to add	
		No hierarchy Please create a hierarchy	

2. Building blocks

The list of building blocks available appears (metering points, nodes, unmeasured points).

	webview-V1.1 x⊠
Configuration Device Load Device & Hierarchy My_first_Project	narchies 02/10/2014 22:40:30
	Distribution X New hierarchy
Name Distribution Fluid Electricity drag the elements from boxes to build your hierarchy Node Unmeasured point A Equipment 1 Building Heat Pump A Equipment 2 / Current Lights Computers	Drag an element here

3. Positioning of the metering points

The interface allows the available metering points presented on the left to be dragged towards the associated graphic zone.

₩ ×		WEBVIEW-V1.1 🔊
	Æ	
Configuration Device Load Device & Hierarchy My_first_Project	Hierarchies	02/10/2014 22:53:50
	Distribution × New hierarchy	
Name Distribution Fluid Electricity		
drag the elements from boxes to build your hierarchy	Buildin	hg
Node Unmeasured point	+ Distribution	
▲ Equipment 1		
▲ Equipment 2 / Current		
Lights Computers		
		zsocomec

4. Creation of links

The links must be created in the direction of flow.

Click on the link with the mouse and drag it from the black box of the "Building" metering point to the "Distribution" node.

A triangle appears on the metering point, indicating the direction of energy flow.

₩ ४			WEBVIEW-V1.1	ţ
	Configuration Device	Load Hierarchies		
Device & Hierarchy	My_first_Project		02/10/2014 22:54:22	
			Distribution X New hierarchy	•
Name Dis Fluid Equ	stribution cetricity velements from boxes to build y vode Jameasured point uipment 1 Heat Pump uipment 2 / Current Lights Computers		Building + Distribution	

Same procedure starting from the "Distribution" node to the metering points associated with the loads. The triangles appear, symbolising the flows entering towards the loads.

₩ 🎸	WEBVIEW-V1.1 🔊
Configuration Device Load	Hierarchies
Device & My_first_Project Hierarchy	02/10/2014 23:10:29
	Distribution × New hierarchy
Name Distribution Fluid Electricity Image: the elements from boxes to build your hierarchy Image: the element from boxes to build your hierarchy Image: the el	UBURDUOU New Next Sec.

5. Creation of an "unmeasured" point

The "Auxiliary" unmeasured point can be created as follows:

- Drag an "Unmeasured point" object and give it a name (Auxiliary)
- Create the link, proceeding as for the metering points

	WEBVIEW-V1.1
Device & My_first_Project	02/10/2014 23:22:33
	Distribution × New hierarchy
Name Distribution Fluid Electricity drag the elements from boxes to build your hierarchy Image: Node Unmeasured point Equipment 1 Equipment 2 / Current	Heat Pump

Once the hierarchy has been created, the distribution of consumption by load and by use can be viewed on the <u>Analyse</u> / <u>Consumption</u> screen described in the chapter "6.2 Analysis Process".

5.4.5. Applying the configuration

The set of parameters and hierarchies must bow be applied to the gateway to become the operative configuration.

This operation may be carried out:

- Either by using the short-cut symbolised by a "diskette" in the margin on the right (1)
- Or by returning to the Configuration function and using Apply configuration



5.4.6. Saving the configuration

It is recommended to save the created configuration in a PC file. To save, return to the <u>Configuration</u> function and use <u>Export</u>. Follow the indications in the dialogue windows to name the file and save in in the appropriate place.

5.5. Diagnostics

This function allows you to identify the hardware configuration, the software versions and the state of the network communications of the gateway and the products.

U Cateway		WEBVIEW-V1.1 💋
Diagnostics		02/10/2014 21:32:05
Software information • Software version : 1.1.3.5 • Created on : 15/09/2014 14:53:01	Cateway Serial number : 143620010011 IP address : 172.23.24.21 Software version : 1.1.1.3 Total memory: 3,988.28 MB Memory available : 97.168 % Date and Time : 11/01/2001 04:05:18	
RF communication • Communication status : Active • Addresses with communication : 1 • Addresses without communication : 0 • Number of frames sent : - • Number of frames received : 4240	RS communication - Communication status : Active - Addresses with communication : 0 - Addresses without communication : 0 - Number of frames sent : - Number of frames received : 5485	

The following elements are displayed in the diagnostics window:

- Information on the software: version and date of creation
- <u>Gateway</u>: the (hardware) characteristics of the gateway are displayed
- <u>RF communication</u>: indicators linked to wireless communication*
- <u>RS communication</u>: indicators linked to RS wired communication (Modbus RS485 Communication between the gateway and the devices)

(*) Wireless communication is available on the DIRIS G-40 and G-60 gateways

6. USE OF THE GATEWAY

Access to the Web server causes the automatic opening of the home page in a standard user profile. The home page of the WEBVIEW Power & Energy Monitoring Web server appears as follows:



The home screen allows access to the following functions:

- 1. Return to home page
- 2. Access to the WEBVIEW configuration functions
- 3. Use of the WEBVIEW standard functions:
 - <u>Monitor</u>: Monitoring of the real-time data measured by the devices. <u>Devices</u>: Allows access to the measurement and analysis functions of the electricity network <u>Alarms</u>: Allows access to the list of product alarms <u>Analyse</u>: Analysis of the data stored in the DIRIS G-50 or G-60 gateway
 - <u>Consumption</u>: Allows the display of the consumption data stored in the gateway <u>Trends</u>: Allows the display of the measurement trends stored in the gateway
- 4. Short-cut to the <u>alarm</u> data
- 5. Selecting the user profile
- 6. Selecting the language

6.1. Monitor process

Monitor



The Monitor process groups together the functions:

- Devices: allows real time display of the data measured by the devices (Quality, Power, Energy, Input/Output)
- <u>Alarms</u>: allows display of the alarm trends and of the current alarms.

Important: The data retrieved in WEBVIEW are conditioned by the configuration of the gateway and by the technical features of the devices. The screens will adapt automatically according to the devices and their configuration. Example 1: An alarm will not be displayed if it has not been configured beforehand with Easy Config. Example 2: The Quality view will be hidden if the device measuring the load does not have the THD function; the same applies to the Input/Output view which will be hidden if the device does not have Inputs/Outputs.

6.1.1. Device Function

The data that can be viewed in the <u>Device</u> function allow the analysis of the network (<u>Summary</u> / <u>Quality</u>) and the analysis of the load (<u>Quality</u> / <u>U/I</u> / <u>Power</u> / <u>Energy</u> / <u>Input/Output</u> / <u>Summary</u>)



6.1.2. Alarms Function

The <u>Alarms</u> function allows the display of the current and concluded alarms reported by the devices (for example: exceeding a threshold, power surge, voltage dip, interruption, overload, communication error, ...).

The "Magnifying glass" function gives the details of an alarm. This function requires DIRIS B-30 or DIRIS Digiware.

Virtual State Origin Nature 10101/2000 00:00 Virtual Nature 10101/2010 00:00 Virtual Criticality 10101/2011 23:39 Virtual Criticality 10101/2010 Virtual Criticality Criticality 10101/2010 Virtual Criticality Criticality 10101/2010 12:01/2000 17:28:37 12:01/2000 17:28:38 Product_1 Lipting floor 2 Event 10101/2000 02:34:42 05:01/2000 00:03:59 Product_1 Lipting floor 2 Event Statring current - Freshed, adxnowledged	VIEW-V1.1	WEBV								X
Start date Origin Nature 10/10/2000 00.00 Image: Colspan="2">Type Type Criticality Image: Criticality 10/10/2011 23:59 Image: Criticality Image: Criticality 10/10/2011 23:59 Image: Criticality Image: Criticality Image: Criticality 10/10/2011 23:59 Image: Criticality Image: Criticality Image: Criticality Image: Criticality Start date End date Origin Type Image: Criticality Image: Criticali	08/10/2014 14:21:							ss Finished	In progre	Alarms
Start date Origin Nature 1/01/2000 00.00 Type Criticality 1/01/2014 23.59 Type Type Triticality None) Type Type Start date End date Origin Type Type Start date End date Origin Type Type Type Start date End date Origin Type Nature Criticality Status 12/01/2000 17:26:37 12/01/2000 17:26:38 Product_1 Lighting floor 2 Event Starting current Finished, acknowledged 03/01/2000 02:34:42 05/01/2000 00:03:57 Product_1 Lighting floor 2 Event Starting current Finished, acknowledged										
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6.2. Analyse Process



The <u>Analyse</u> process allows you to explore and analyse the logged data on the DIRIS G gateway. It consists of these functions:

- <u>Consumption</u>
- <u>Trends</u>

Important: The data retrieved in WEBVIEW are conditioned by the configuration of the gateway and by the technical features and configuration of the devices.

6.2.1. Consumption Function

The <u>Consumption</u> function allows the representation of the energy flows consumed by the different loads in the time periods selected in the perimeter (see "6.3. Perimeter", page 27).

The function proposes 2 predetermined representation modes: by load or by end-use.



If no hierarchy has been created, there will be no distribution of consumption. The interface will then propose a simple view of the consumption and provide readings recorded by the devices.

Clicking on a consumption bar allows access to more detailed time data: Month -> Week -> Day -> Hour

For example, clicking on the weekly bar allows access to daily consumptions. WEBVIEW-V1.1 X Distribution Consumption 27/10/2014 16:41:16 ec Building 🔳 🜈 .il. Consumption per load Electricity Ea+ Ea- Er+ Er- Es From 27/10/2014 00:00:00 Total over the period 215 kWh To 27/10/2014 16:00:00 Average over the period 13.437 kWh kWh 20 Motor 2 27/10, 10:00: 6 kWh 15 10 5 0 2110.05:00 27110.07:00 27/10.08:00 2710.01.00 27/10.02:00 27/10-03:00 2710.04:00 2710.06:00 27110.09:00 2710.000 27/10.11:00 27/10.13:00 27/10.0000 27/10/200 27/10/4.00 27/10.15:00 Lighting floor 2 📕 Heating 📕 Motor 1 🛛 📕 Lighting floor 1 Motor 2 socomec

By clicking on one of the headings of a load (in the example: Motor 2), it is hidden from view.



This function is also available on the screens presenting the same type of representation (for example: Display of harmonics in the <u>Devices</u> / <u>Quality</u> screen)

6.2.2. Trends Function

The <u>Trends</u> function allows the representation of the different values collected by the devices and logged over the time periods selected in the perimeter.

The logged values were selected at the time of configuring the software with Easy Config. This function requires DIRIS B-30 or DIRIS Digiware I-35 or I-45.

	Network	Load	Option							WEBVIE	W-V1.1	8
Trends	/ Product_	5 / Motor 2								08	/10/2014 14:50:	28
					Motor 2	Heating						
	Trends										Ⅲ .ılı.	
I P V	Scale a	auto adjust			From 07/10/20	14 00:30:00 To 0	8/10/2014 14:00:0	0	TO RU	1 → x2 → x2	×4	
Ð	8			Avg. 13)7/10/2014 18:15	:01 : 9.075 A							
	6											
	4											
	2											
	0	12:00	15:00	18:00	21:00	8. Oct	03:00	06:00	09:00	12:00		
					— Avg. I	1 — Avg. 12	— Avg. 13					
		15/01/2014	14/02/2014	15/03/2014	14/04/2014	13/05/2014	12/06/2014	11/07/2014	10/08/2014	08/09/2014		
											ocomec	

The part displayed corresponds to the highlighted zone shown on the time base.

This highlighted zone can be moved along the time base using the mouse.

An enlargement x1 / x2 / x4 of the highlighted zone is accessible by means of the icons at top right.

6.3. Perimeter

The perimeter will allow navigation in the data.

6.3.1. Opening the perimeter



When entering one of the 4 functions, an arrow appears in the left margin to allow the "perimeter" to be opened.

The perimeter can be hidden at any time to optimise the graphic space available.



The perimeter can be "pinned" at any time to keep it open.

6.3.2. Organisation Menu



This menu allows selection of the following elements:

- 1. Organisation: one click on this zone allows you to show or hide the Organisation menu
- 2. Organisation/Hierarchy: drop-down list allowing selection of the navigation mode

The proposed navigation modes are the following:

Function		Navigation mode			
Monitoring Devices		Device	Use	Fluid	
	Alarms	No choice possible			
Analysis Consumption		Hierarchiy	Use	Fluid	
Trends		Device	Use	Fluid	

3. <u>Organisation/Navigation</u>: interface allowing navigation in the data depending on the chosen navigation mode.

6.3.3. Time Period Menu

The <u>Time period</u> menu is available only on DIRIS G-50 and G-60 gateways. This menu appears only in the <u>Analyse</u> process.

未	Organisation			Ŧ	
Time period				o—	1
Remark ———				o—	2
On	Current Year 💌				
From	01/01/2014	00:00			
To	02/10/2014	23:00			

This menu allows selection of the following elements:

- 1. <u>Time period</u>: one click on this zone allows you to show or hide the Time period menu
- 2. <u>Time period/Remark</u>: Drop-down list allowing selection of the time period. Possible selections: Current Year/ Current Month/Current Week/Current Day/Customise from...to...

The time selections must be confirmed with the Confirm button at the bottom of the perimeter





