

Webportal

Version 2.3

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Getting started

- 1. The computer must have an internet connection.
- 2. Recommended browsers are Mozilla Firefox and Google Chrome.
- 3. Resolution of the monitor should be higher than 1280*600.

Login

To access the Webportal, enter the following address:

http://webportal.sunsniffer.de/



Figure 1: Start page with the possibility to change the language (upper left).

Select first the language in which you want to use the Webportal. The Webportal is currently available in English, German, and Chinese.

In order to access the Webportal, you will need the corresponding login data. These will be given to you by the IMM team. To request them, click the "REGISTRATION" button. (Figure 2)

User Contacts Mant Address First name: Use User Address Last name: Plant name: E-Mail: Street / House: Zip / City: Country: Password: Country:	Jser Contacts Irst name: Use User Address Plant name: Plant name:
First name: I Last name: I E-Mail: I E-Mail: Street / House: Zip / City: I Password: Country:	Irst name: Use User Address Plant name: Plant name:
User Address Language: Deutsch Street / House:	Mail:

Figure 2: Registration for the Webportal.

After receiving your login data, you can now login to the Webportal by typing in your login data and clicking on "LOGIN".



Figure 3: Login page of the Webportal.

You are now logged in, and all your personal data are stored and can be edited via "My Profile" button.

1. Plant selection

After successfully logging in you are now on the start page of the Webportal. From here you can navigate to various areas, access information, and change settings. In addition, an overview of the first plant on the list is shown. To display an overview of another plant, select the required plant from the drop –down list in "Plant selection".

Plant selection	PLANT STATUS (OFFSET DRUCK CADOLZBURG)				
offeed			Offset Druck Cadolzburg		Ŧ
Plant select	tion 🗢		and the second se	Para la constante da la constante d	
offse	9				
Offset Drud	k Cadolzburg				
	-	-			
Manistrations & Annahosia CO	100				
Plant Maintenance	TOTAL OVERVIEW	YEARLY OVERVIEW	MONTHLY OVERVIEW	MESSAGES	LOCATION
Reports 0 Part Configuration 0 Presentation 0	Since Installation 384,292 kWh	2014 5 for 2017 3,008.60 kWh	Ter Jan 2017 3,008.60 kWh	Eventsh 1 Errorsk) 89 Warning(s)	natur Grande Castang
10.064	ACTUAL POWER	HARVEST INDEX.	ACTUAL PERFORMANCE	INFO	PLINT PHOTO
WEB PORTAL	16.07 kW Instilled Pask Power 99.45 kWp	901.51 kWh/kWp for the last 305 days	Orienter 54.00 % relative to dimutation	Feed-in tariff starts 28.12.2011 Refund end: 31.12.2032	The second second

Figure 4: Start page of the Webportal after logging in with plant overview and plant selection.

2. Monitoring & Analysis

To access monitoring functions, click on Monitoring & Analysis tab > Plant Status, and these functions will show up.

- 1. Total Overview: shows the total generated current since commissioning in kWh. To view the amount in EUR click on "€" button.
- 2. Yearly Overview: shows the total generated current during a selected year in KWh. To view the amount in EUR click on "€" button.
- 3. Monthly Overview: shows the total generated current during a selected month in KWh. To view the amount in EUR click on "€" button.
- 4. Messages: shows the current errors and warnings in the plant. (For more information on this, check section 3.1)
- 5. Location: shows the exact location of the power plant on a map.
- 6. Actual Power.
- 7. Harvest Index: shows the total ratio of the actual generated energy in kWh to the peak power in kWp (kWh/kWp) for the last 365 days.
- 8. Actual Performance: shows the percentage of the ratio for the actual generated energy in kWh to the expected energy in kWh (%).
- 9. Info.

10. Plant Photo.



Figure 5: Start page of the Webportal with the selected plant (Offset Druck Cadolzburg) overview.

The bar chart in Figure 5 displays the total produced energy of the plant last week. More information such as actual power, actual performance, and the harvest index are displayed below the chart. It is immediately apparent, for example, whether the system has errors or is running normally. Furthermore, by clicking on "Details" from "Actual Performance", more detailed information about the performance of the plant compared to the previous year can be displayed, and the period can be changed from the drop-down menu in "Period". (Figure 6)



Figure 6: "Details" window for performance comparison.

Monitoring & Analysis consists of five tabs as shown in Figure 7. By default, you are initially on "Charts & Statistics" tab. "Simulation" tab is only available if you have connected an irradiation sensor.

🚹 Chart & Statistics	📇 Plant View & Layout	Simulation	🚔 Map RealView	E DeepView
1				

Figure 7: "Monitoring & Analysis" tabs.

2.1. Chart & Statistics

Here you get a detailed overview of inverters, strings, and individual modules. [1]

Adjustable time periods: daily, weekly, monthly, and yearly as well as a custom time period. [2]

Adjustable subdivision: quarterly (15 minutes), hourly, daily, weekly, and monthly. [3]

Selectable parameters: Output in kWh, Gain in €, Voltage in V, Current in A, kWh/kWp, Performance %, and Temperature in ^oC. [4]



Figure 8: Chart & Statistics.

The following bar chart shows the output in kWh of the plant "Offset Druck Cadolzburg" from 16.12.2016 to 22.12.2016 for the module 6_3_10.



Figure 9: Output diagram for module 6_3_10 for the time period 16.12.2016-22.12.2016.

You can also change the chart type from the "Chart Type" menu [5]. A weather forecast for the current day and the day after is displayed on the lower left corner [6]. The individual components of the inverters up to the module can be opened up from the drop-down menu on the left column.

F = 01		and the course of course	
h = 02	4 Custom	This Year This Month	Last 7 days Yest
F = 03			
+ = 04			
F = 05			
06	0.12 KWM		
String 6 1			
String 6.2	100 million		
String 6 3	0.1 T KAWR		
= Module 6 3 1			
- Module 6 3 2	0.1.8Wh		
- Module 6 3 3			
- Module 6 3 4			
- Module 6 3 5	0.09 kWh		
= Module 6 3 6			
- Module 6 3 7			
= Module 6 3 8	0.00 kWh		
= Module 6 3 9			
= Module 6 3 10	-		
= Module 6 3 11	0.07 KWR		
= Module 6 3 12			
= Module 6 3 13	5 0.05 kWh		
= Module 6 3 14	3		
= Module 6 3 15			
	0.05 kWh		
 Sunge_4 			
	0.04 kWh		
	0.02.600		
	0.90 Milli		
	0.02 kWh		
	0.01 AWR		
	72 (1947)		
	- 6	16. Dec	
	1		
Constanting	Data Density:		
Today Tomorrow	Monthly	- Daily	Hourly
Ste Str	Chart Type:	100 March 100	
met met	and a straight of	11 01 1	and the second second

Figure 10: Modules of string 6_3 from inverter 06 in the drop-down menu.

Several modules can be selected at a time and compared to each other by pressing and holding the "Strg" key as shown in Figure 11.



Figure 11: Comparison of several modules at a time.

This can also be done on strings and inverters. If you want to compare all modules of a string with each other, it would be easier to use the "Shift" key. To do so click on the first module of the string, then press and hold the "Shift" key and then click on the last module. All modules in between will be highlighted as well.



Figure 12: Comparison of the output power of three modules.

Information on the modules for every string can be obtained from the "Modules Performance" window. To do so right-click on the desired string and then choose "Modules Performance". (Figure 13)



Figure 13: Opening the module performance window.

The yellow line marks 10% over the average value, whereas the red line marks 10% below the average value. These lines are the limits for the acceptable range. From the module listing below the chart, important data such as power and gain can be obtained. The time period can be adjusted above the chart. This information can be downloaded as an excel file (Figure 14).

1 - 5 · C · +	Performance	Report [Geschützte Ansicht] -	Excel		0
DATEI START EINFÜGEI	N SEITENLAYOUT FORMEL	DATEN ÜBERPRÜFE	N ANSICHT	Support1 -	(B) Developed as VIC
GESCHÜTZTE ANSICHT	rsicht — Dateien aus dem Internet kö arbeiten müssen, ist es sicherer, die g	nnen Viren enthalten. Wenn Sie eschützte Ansicht beizubehalte	e die Datei nicht Bea	rbeitung aktiveren 🗙 el	W AVG
+1. * : > -	f* Contrib., %				
А	В		c	D	
Module	Output, kWh	Gain, €	Power, W		
Module 1_1_1		3,57	0,98	13,96	
Module 1_1_2		3,97	1,09	15,51	
Module 1_1_3		3,93	1,07	15,42	
Module 1_1_4		3,55	0,97	13,88	
Module 1_1_5		3,88	1,06	15,16	
Module 1_1_6		3,81	1,04	14,91	
Module 1_1_7		4,04	1,1	16,34	
Module 1_1_8		3,61	0,99	14,14	
Module 1_1_9		3,14	0,86	12,33	
Module 1_1_10		3,47	0,95	13,58	16 - 17 -
Module 1_1_11		4,01	1,1	15,66	5 5 5
Module 1_1_12		4,01	1,1	15,67	dule dule quie
Module 1_1_13		3,17	0,87	12,45	Mo
5 Module 1_1_14		4,01	1,1	15,68 p	Contrib., %
5 Module 1_1_15		3,98	1,09	15,55	5.21
7 Module 1_1_16		3,44	0,94	13,52	3.31
3 Module 1_1_17		3,52	0,96	13,76	5.92
Module 1_1_18		4,04	1,1	15,76 👻	5.86
Performance	Report		4	•	5.28
		10			2.2

Figure 14: Excel file of the modules' performance.

🛪 🥮 Offset Druck Cadolzburg	Chart & Statistics	🧸 Plant View & Layout 🛛 🕅 Simulation 🛛 🚔 Map RealView	R 0		
■ 01 ■ String 1_1	♦ MODULE 1_1_1 STATUS				
- Module 1_1_1	Parameter	Value			
- Mod 🛞 Status	Module	Module 1 1 1			
- Module 1_1_3	Type	STORM M195-S			
- Module 1_1_4	Nominal Power	195.00 W			
- Module 1_1_5	Last Update	05.01.2017 13:27			
- Module 1_1_6	Actual Power	27.94 W			
- Module 1_1_7	Actual Voltage	25.40 V			
- Module 1_1_8	Actual Temperature	10.90 °C			
- Module 1_1_9	Sensor Sarial Nr	20002406			
- Module 1_1_10	Plant	Offeet Druck Cadelabura			
- Module 1_1_11	Interio	01 / Simuet PV/M17			
- Module 1_1_12	Shier	Sedue 3 1			
= Module 1_1_13	Sung	Colorent / CB-7 1 002005 UD 2005			
- Module 1_1_14	Gateway	Gateway 17 SR: 7.1,002003, IID 2005			
- Module 1_1_15					
- Module 1_1_10					
- Widdule 1_1_1/	1				
= widdle 1_1_18 # = String 1_2			_		

The status of each module can be seen in the "Status" window.

Figure 15: "Status" window for module 1_1_1.

Current data can be read from the "Status" window afterwards. (Figure 15)

2.2. Plant View and Layout

You can find a location plan of the modules of your power plant in the "Plant View & Layout" tab (Figure 16). This can be helpful in repair for example to determine the position of specific modules.

Navigation through the location plan is done through the mini-map on the upper right corner of the window. Also through choosing an inverter, string or module from the drop-down list on the left column, the selected modules will be shown and marked green on the location plan.



Figure 16: Location plan with marked modules.



The Plant View can also be downloaded as a PDF file.

2.3. Map RealView

The Map RealView is perfectly suited to get a good overview of the location of the power plant. This is especially important when work on site is planned. Information that can make the work easier can be collected. Is the power plant located on a roof or free space? Are helping tools such as a scaffold or a ladder required? Where and how is the power plant accessible?

The map view can be changed alternatively between map and satellite on the upper left corner.



Figure 18: Map RealView of the plant "Offset Druck Cadolzburg".

2.4. DeepView

The last tab is the so-called DeepView. It shows the power of all the modules of the selected components colorfully, so that defected modules can be immediately identified.

Figure 19 shows the DeepView for string 1_1. This means all modules connected to string 1_1 are marked with colors according to their power during any time period. The color palette ranges from blue (0 Watt) over yellow (100 Watt) to red (>150 Watt). The color scale is also shown on the upper right corner. The respective modules are shown on the vertical axis, and a time beam is for a chosen time period is shown on the horizontal axis.

The modules are colored blue at night because nothing is produced at night. In the course of the day the power increases till it reaches its peak at noon, then it drops. Vertical lines in the chart are due to cloud cover.



Figure 19: Deep Sniff of string 1_1.

3. Plant Maintenance

3.1. Fault Management

The errors and warnings of the modules can be seen in Fault Management. Errors identify problems that should be resolved urgently. Warnings can be sometimes from shadowing or a sensor that doesn't function. These are therefore not urgent, but they should be examined and resolved if possible. If the problem is identified and can't be fixed, then you can mark it and move it to the "Maintenace History" with the button "Ignore". These errors will not be shown in the future.

ERRORS			WARNINGS				-	
tteen	Fault	Information	İtseri	Fault		Information		
Modules	1 Error(s)		- Modules	99 Warning(s)			*	
Module 2_5_3	Defective module	Click for more information	Module 1_1_16	Voltage loss 16%	<u>29</u>	Click for more information		
		T	Module 1_1_17	Voltage loss 13%	<u>29</u>	Click for more information		
	PlantView Mea	isurements status	Module 1_1_9	Voltage loss 22%		Click for more information		
			Module 1_2_16	Voltage loss 15%	29	Click for more information		
			Module 1_2_17	Voltage loss 16%	品空間	Click for more information		
			Module 1_2_2	Voltage loss 13%		Click for more information		
			Module 1_2_4	Voltage loss 14%	<u>黑</u> 空雪	Click for more information		
			Module 1_3_11	Voltage loss 12%	<u></u>	Click for more information		Selected errors and warnings
			Module 1_3_12	Voltage loss 14%	黑空雨	Click for more information	Ļ	GENERALE
			Module 1_3_17	Voltage loss 11%	<u>29</u>	Click for more information	1	ignore all selected errors all warnings
			Module 1_3_18	Voltage loss 11%		Click for more information	1	
			Module 1_3_2	Voltage loss 11%	<u></u>	Click for more information		Cancel last action
			Module 1_3_5	Voltage loss 12%	<u>20</u>	Click for more information		3 CANCEL
			Module 1 3 8	Voltana loss 1196		Click for more information		

Figure 20: "Fault Management" window.

Errors are displayed on the left window. You can find the position of the module by clicking on PlantView. Similarly you can retrieve measurement data and status of the module.

PLANT VIE	N		00	MODULE 2.5.3 MEASUREMENTS			00	MODULE 2_5_3 STATU	IS	0
	See DeepView of last sunny day	F Move Undo 🗍 Sa	🔹 🔁 Upload XLS 🛛 📿 Re		From/To: 12.01.2017	周	26.01.2017	Parameter	Value	
		Module performance: OK	NAMES OF A DESCRIPTION	Тетя	1 Yol	itugo, V	Tomp. *C	Module	Module 2_5_3	
		Voltage loss: 99		2017-01-25 09:42:06	32	276.80		Туре	STORM M195-S	
		Defective module: 1	1000 000 0000 000 00	2017-01-22 15:18:44	3.2	276.80		Nominal Power	195.00 W	
2 44	ALSO TALK TALK TALK TALK	AND DAY NO. 140		2017-01-22.09:24:10	12	80 en		Last Hedata	25.04.2047.08-42	
and in case			ARAT TELL ADAL DEL AREA	2017-01-17 09-59-29	12	74.85		Last opuate	23.01.2017 07.42	
			12 1001 1001 1000 12 1000 1000 1000	2017-01-16 12:53:50	12	80		Actual Power	N/A	
			att sont tinne land int mast tinne land	2017-01-13 14:02:49	12	80		Actual Voltage	3,276.80 V	
				2017-01-12 12:01:11	12	30		Actual Temperature		
								Sensor Serial Nr.	20009684	
	The Physical Property and the	100 M	100					Plant	Offset Druck Cadolzburg	
×	and also and and the	-	1000					Inverter	02 / Sinvert PVM17	
								String	String 2_5	
								Gateway	Gateway 1 / SR: 7.1.002005, IID 2005	
	510 400 244 315 (m) 140	-	100							
1		the set life	140							
			_	Download as XLS Page 1	of 1	Displa	rying measurements 1 - 8 of 8			

Figure 21: PlantView, measurements, and status of a defect module.

Table 1: Possible error messages and counter-measures are listed in the following table.

Error message	What to do
Sensor offline	Replace sensor / Ignore because it is not yield relevant
String reader offline	Replace string reader
Power plant offline	Restart the gateway and router, check the internet contract
Shading in the morning / evening	Eliminate shading, if not possible then ignore the error message

Voltage loss	Check the module for dirt / shading. If no dirt or shading, then replace the module
Module defective	Check the connection socket. If it is ok, then check the module for shading. If no shading, then replace the module.
Cabling error	DC conduction of the string is interrupted, check immediately!
Weak string	The string performs comparatively little, even when there are no errors in the modules. Check the string
Various inverter errors	Fix the error according to the inverter manual
PID	PID is present in the string, fix!

3.2. Add Input & History

Here you can enter the service performed at the power plant. That way you can always have an overview of the work done. This can also be downloaded as a PDF file.

Date:	26.01.2017	EEE					
Item:		* Other:		Module		Curre	nt S/N:
Action:	Cleaning	1. W			I	-	and the second second
Upload pictures:	Before After						SUBMIT INPUT
	Carlor (cound)						
Date 4	Item	Current S/N	Fault	Action	Details		
Date +	Rem	Current S/N	Fault	Action	Details	-	
E	Module 3_3_10	20009547	Weak module	Ignoring	C Resend to Fault Management		
	Module 6_3_4	00152462	weak module	ignoring	C Resend to Fault Management		
	Module 6_4_7	20002424	Weak module	Ignoring	C Resend to Fault Management		
	MODULE 3_2_17	21 B B 12 B 21	MUNIC PROPERTY	10000000			
	11-1-1-0-0-40	20000021	Mean module	Incruing	C Resend to Fault Management		
	Module 3_3_13	20009616	Weak module	Ignoring	C Resend to Fault Management		
	Module 3_3_13 Module 2_1_14 Module 1_4_18	20009616 20009606 20009609	Weak module Weak module	Ignoring Ignoring Ignoring	Resend to Fault Management Resend to Fault Management Resend to Fault Management Resend to Fault Management		
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2	20009616 20009606 20009679 20009508	Weak module Weak module Weak module	Ignoring Ignoring Ignoring Ignoring	C Resent to Fault Management C Resent to Fault Management C Resent to Fault Management C Resent to Fault Management		
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2 Module 1_5_1	2000321 20009616 20009606 20009679 20009508 20009561	Weak module Weak module Weak module	Ignoring Ignoring Ignoring Ignoring Ignoring	C Resend to Fault Management C Resend to Fault Management C Resend to Fault Management C Resend to Fault Management C Resend to Fault Management	10	
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2 Module 1_5_1 Module 1_4_6	20009616 20009606 20009679 20009508 20009561 20009564	Weak module Weak module	Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring	Resend to Fault Management		
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2 Module 1_5_1 Module 1_4_6 Module 1_4_5	20009616 20009606 20009679 20009508 20009561 20009564 20009564 2000964	Weak module Weak module Weak module	Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring	Resend to Fault Management		GENERATE OVERVIEW ON
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2 Module 1_4_2 Module 1_4_6 Module 1_4_5 Module 1_4_5	20009424 2000946 20009406 20009508 20009561 20009561 20009644 20009422 20009356	Weak module Weak module Weak module Weak module	Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring	Resend to Fault Management	E	GENERATE OVERVIEW ON MAINTENANCE HISTORY
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2 Module 1_5_1 Module 1_4_6 Module 1_4_5 Module 1_4_5 Module 1_5_16	20098021 20009616 20009606 20009508 20009561 20009664 20009422 20009422 20009456 20009582	Weak module Weak module Weak module Weak module Weak module Weak module	Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring	Resend to Fault Management	E	GENERATE OVERVIEW ON MAINTENANCE HISTORY
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2 Module 1_4_2 Module 1_4_2 Module 1_4_5 Module 1_4_5 Module 1_4_11 Module 1_3_5	20093021 20009406 20009506 20009579 20009508 20009561 20009564 20009422 20009356 20009356 20009378	Weak module Weak module Weak module Weak module Weak module Weak module Weak module	Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring	Resend to Fault Management	E	GENERATE OVERVIEW ON MAINTENANCE HISTORY
	Module 3_3_13 Module 2_1_14 Module 1_4_18 Module 1_4_2 Module 1_4_2 Module 1_4_6 Module 1_4_6 Module 1_4_11 Module 1_5_16 Module 1_5_16 Module 1_4_13	20003021 20009406 20009406 20009508 20009561 20009564 20009422 20009356 20009356 20009478 20009478	Weak module Weak module Weak module Weak module Weak module Weak module Weak module Weak module	Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring Ignoring	Resend to Fault Management Resend to Fault Management	E	GENERATE OVERVIEW ON MAINTENANCE HISTORY GENERATE

Figure 22: Add Input & History.

To add a new entry, choose the component and service, and then click on "SUBMIT INPUT". Uploading pictures and adding comments are optional.

4. Reports

This menu has 3 sub-menus: E-Mail Subscription, Plant Overview, and Monthly Report.

4.1. E-Mail Subscription

This page offers the possibility to receive automatically generated emails about the power plant status. The desired parameters are added by clicking on "Add subscription".



Figure 23: E-Mail Subscription.

Add subscripti	on							
Report		Recipient	Ra	courence	Day of week	Day of month	Time	Last delivery
Nonthly		support1	Mc	onthly	1	31	00:00	31.12.2016 00:00
LOADING RE	PORT PARAME	TERS			8			
Report:	Monthly	Ŧ	Recurrence:	Daily	*			
Day of week	4		Gay of month					
Time:	00:00	Ŧ	Recipient:	support1	*			
			Add E-Mail:					
			Add E-Mail:	1				

Figure 24: Adding an e-mail subscription.

You can choose between daily, weekly, and monthly from "Recurrence" tab.

You can also add two additional e-mail addresses.

4.2. Plant Overview

The power plant overview provides a quick overview of the kWp, power, gain, and alarms of the power plant. In the case of several power plants in your portfolio a clear representation of the different locations and gain data is shown. You can save this data on your computer with the "Download as XLS" button. Also the data level (inverter, string, module) can be chosen.

4.3. Monthly Report

A report for the plant in the respective month is listed in this tab.

5. Plant Configuration

5.1. Fault notification

Similar to section 4.1, you can add an email address here to get the error messages. You can choose to be informed about new errors daily or weekly. If there are no new errors, you will not receive an email.

3 Add Not	ification		
ser			
SETUP I	NOTIFICATION [UNDEFINED]	3	
	User: support1 -		
	Period: 🖌 Daily 🔄 Weekly		
	Save Cancel	1	

Figure 25: Adding e-mail notification.

5.2. Documents

Here you can upload documents of your plant such as invoices and plans, write and save notes, and organize all documents related to your plant.

6. Presentation

6.1. LCD Statistics

This tab is used to display data and graphics on an external monitor. For example, waiting customers in your company's entrance hall can get some information about their PV plants.

Check the option "Autoswitch" to make the LCD statistics automatically switch between output, power, CO2 saved, and the different time periods.



Figure 26: LCD Statistics

You can also press F11 to expand the browser window so that the address line is hidden.

6.2. Presentation Mode

Similar to the LCD statistics, the presentation mode serves as information and advertising page for the customers of your company, where the amount of CO2 saved is compared to different forms of energy consumption such as domestic heating oil. Unlike the LCD statistics, the presentation mode is static, which means that the displayed values are only updated in longer time intervals. The logo of your company can be placed on the upper left corner. To do so, click on "Settings" and upload the logo image.



Figure 27: Presentation Mode

Frequently asked questions:

- An error message is displayed in the Webportal. What should I do?

Read the error message in "Plant Maintenance" and follow the tips in Table 1.

- How can I find out where the error is located in the plant?

The exact position of the error is shown in PlantView (except if the error is from an inverter). PlantView can be accessed from the menu "Monitoring & Analysis" from the tab "Plant View & Layout". You can also check where the error is from the list of errors in the menu "Fault Management".

- My plant is offline. What should I do?

Check and restart the router as well as the gateway. Double check if all the Ethernet cables are correctly plugged in. Check if the contract from the internet provider is still valid.

- Where can I see how well my plant is operating?

This information can be retrieved directly from the page "Plant Status" from the menu "Monitoring & Analysis". (Figure 15)

- Who sets up my plant on the Webportal?

The plant installer is the one who usually sets it up on the Webportal.