



GridVis introduction



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Smart Energy & Power Quality Solutions Smart Energy & Power Quality Solutions

Minimum requirements

GridVis 3.0.0 minimum requirements for device firmware:

Dated February 28, 2012



Device	Firmware required	Notes
UMG 604	1.293 or later	The devices with a firmware older than 1.048 should be technically (HW) upgraded (Atmel updated)
UMG 605	1.293 or later	
UMG 104	1.268 or later	
UMG 511	1.293 or later	
UMG 508	1.293 or later	
UMG 103	No restrictions	
UMG 96	No restrictions	
UMG 96S	1.20 or later	
UMG 503	3.102 or later	Devices up to HW version 0.40 (firmware version 2.004) should be replaced.
UMG 505	No restrictions	Series 2 and 3
UMG 507	0.993	Not verified by the GridVis software
UMG 510	1.037	
UMG 96RM	0.50 or later	Not verified by the GridVis software
Prophi	No restrictions	

Software versions - GridVis license model

Designation	Basic	Professional	Enterprise	Service
Installations (desktop)	1	3	5	5
Installations (service / WEB)	0	0	0	2
Number of devices	5	not limited	not limited	not limited
Update period	not limited	1 year	1 year	1 year
Phone support	not limited	not limited	not limited	not limited
Graphs	•	٠	•	•*1
JanDB / Derby database	•	٠	•	•
Manual reports	•	٠	•	•*1
Graphic programming	•	٠	•	•*1
Тороlоду	•	٠	•	•*1
MS SQL / MySQL	-	٠	•	•
Automatic reading	-	٠	•	•
Virtual device	-	٠	•	•
Automatic CSV export	-	-	•*2	•*2
Generic ModBus	-	-	•	•
Graphic programming module (write / read Modbus)	-	-	•	●*1
Cost centers	-	-	•	•
Automatic reports	-	-	•	•*1
Online recording	-	-	-	•
Service	-	-	-	•

*1 This feature is only available if the GridVis software is installed on the desktop.

*2 Use "Create Groovy Scripts" service (art. no. 51.01.015) to export CSV files automatically.

Number of devices:	The maximum number of devices loaded simultaneously (e.g. within the Basic version:
	a project with 5 devices or 5 projects with a device).
Update period:	A time period when new free versions can be installed.
Automatic reading:	Device reading according to freely configurable schedules.
Online recording:	The measurement data provided by the devices not equipped with their own memory are averaged in the GridVis software.
Automatic CSV export:	Automatic reading allows an automatic CSV export.
Service:	The GridVis software runs in the background and starts automatically without user logon to
	the computer and stores the data of the devices. GridVis Enterprise is included in the package
	and is required for configuration and data processing.

Installation and Activation of the GridVis Desktop Software

Installation of the GridVis visualization software

The Setup wizard will guide you step by step through the installation of the GridVis network visualization software.

- Close all open programs before installing the GridVis software.
- Start the installation program and follow the instructions of the wizard.
- Read the license agreement and accept the appropriate terms and conditions for the use of the GridVis software. Click Next to continue the installation process.
- Use the Browse button to select the target folder for the installation files or confirm the default path. Click Next to confirm the selection.
- Select the location for the start link in the Windows start menu or confirm the GridVis default path. Click Next to continue.
- Click Finish to close the wizard.
- After starting the GridVis network visualization software you should first activate the GridVis version. Follow the instructions in Login and Activation of the GridVis Software.



Fig. Setup wizard in the GridVis installation

Setup - Janitza-GridVis 3.0.0-SNAPSHOT	
Select Destination Directory Where should GridVis be installed?	
Select the folder where you would like GridVis to be installed, then dick N	ext.
Destination directory	
C:\GridVis	Browse
Required disk space: 149.8 MB	
Free disk space: 234,687 MB	
install4j	t > Cancel

Fig. Setup wizard, select target location



Fig. Close the Setup wizard

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First Step -Login and Activation of the GridVis Software

Activate the GridVis version after you start the network visualization software.

The Welcome window can be opened under the menu item Window/Welcome and provides support to initial steps when working with GridVis.

Since the installation of the GridVis software should be followed by its activation, use the License manager to initiate the Activation process (cf. Step 1: Activation in the Welcome window of the Grid-Vis software).

- Open the License manager through the link Show the license manager in the Welcome window or use the menu Tools/License manager.
- Create a license request file using the Create a request file button.
- Give the request file in the Create a request file window a unique name and click Next.
- Using the "..." button, select the location for the request file (e.g. Desktop) or confirm the default folder.
- Click Finish to close the wizard.
- If the computer has an Internet connection, you can start the browser by going to link *http://license.janitza.de* to access the License server directly. If the browser does not start, invoke the Internet browser using the interface of the operating system and open the homepage of the License server by going to *http://license.janitza.de*.
- If the computer is NOT connected to the Internet, the newly created file (Request file) can be copied to an external storage device (such as a USB flash drive) and sent to the License server via another computer with the Internet access. The activation file (see below) sent from the server via mail must be copied back to the computer with the GridVis software (e.g. using a USB flash drive).
- If you do not have an online customer account, you should first create an account by clicking the Sign up button.
 - Click Sign up.
 - Complete the Register account form. The fields marked with * are mandatory and thus must be filled in. Click Next to confirm the information entered.
 - Read the Terms and Conditions and accept them for a successful registration.
 - For safety reasons, you will be asked to enter a code in the final step of the registration, which is provided as an image above the input field. Please enter the characters shown in the input field. Click Finish sign up to complete the Registration process.



Fig. Welcome window with the License manager

GridVis MM	f t
License Server	
	customer sign in
	If it is your first visit, please sign up using the following button:
	sign up
	If you are already signed up, please provide your e-mail and password to log in.
	e-mail
	rassword @ Remember me Forgot password? topin
lanitza ^s Shamboo iii	Privacy Imprint

Fig. GridVis License server (homepage)

Sign up an acco	ount		
This wizard takes your through	three easy steps to finish the	ne signup process.	
_			
1 User details 2			
Title	Mr. 👻		
Extra Title	Max		
Last name	Mustermann	*	
Position			
Company name	Musterfirma	*	
Address			



- The GridVis License server will send a verification e-mail to the specified e-mail address to complete a successful registration by going to the link provided in the e-mail, which returns you to the License server.
- Click Activate Installation to activate the GridVis software.
- If you already have an online customer account, please enter your e-mail address and password once you have clicked Login
 - Click Activate Installation to activate your software.

Once you have successfully registered on the GridVis License server, you can activate various GridVis editions via the menu item Activate Installation, and the Use purchased edition, Use Basic edition, Select from your list of editions buttons.

Use Basic Edition

- When using the GridVis software Basic version, you can activate it by clicking the Use basic edition button on the GridVis License server.
- Select the request file (see the Create a request file section above) created using the GridVis software by pressing the Browse button, and then click Next.
- The window below provides a brief overview of the selected license that you can activate by clicking the Activate button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop).
- Select within the GridVis software in the License manager window (e.g. via the link Show the License manager in the Welcome window or using the menu Tools / License manager).
- Import the previously saved activation file via the Import the activation file option.
- The license will be activated and displayed in the License manager window on the right.

Use Purchased Edition

- When you use a newly purchased edition of the GridVis software (e.g. Professional or Enterprise edition), you must also have a serial number, which is located on the CD cover or on the product delivery note.
- Select Use purchased edition on the Activate Installation page and paste your serial number in the form field. Click Next to confirm.
- Select the request file (see Create a request file) generated using the GridVis software by pressing the Browse button, and click Next.





GridVis MM	#	Logged in as	😞 Logout
License Server			
Licenses License list	Welcome to the License Se	erver	
Activate installation Account settings LE Change details	You can find your available options in the menu on the	he left.	
Change username Change password	Alternative the button brings you directly to the activ	ation process.	
	ACCIVACE Instantacion		
Janitza' S(bamboogra	version)-72	P	rivacy Imprint



GridVis MM	#	Logged in as	Eugout
License Server			
Licenses	Activate installation	e	
Activate installation Account settings	SelectLicense Dyload reque		
Change username	Please choose a gridvis edition where the insta	allation is added.	
	Use purchased edition Use basic edition		
	Select from your list of editions		
Janitza' Sibambooyra	ersion)-72		Privacy Imprint

Fig. GridVis License server (select the activation)

GridVis MM	#		Logged in es	😸 Logout
Licesses	Activate inst	allation		
Account settings ACcount settings AC change details AC change username	1 Select License	2 Upload request		
Change password.	license id	24 BASIC		-
	update period	Unlimited		-
	Please provide the activa	tion file which you created	in the GridVis.	
	Previous		Next	
Janitza [®] Sibambooliira	ersion)-72	_	_	Privacy Imprint

Fig. GridVis License server (load the request file)

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- The window below provides a brief overview of the selected license that you can activate by clicking the Activate button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop).
- Select within the GridVis software in the License manager window (e.g. via the link Show the License manager in the Welcome window or using the menu Tools / License manager).
- Import the previously saved activation file via the Import the activation file option.
- The license will be activated and displayed in the License manager window on the right.

Select from your list of editions

- This button is used to activate further GridVis software installations of an already available edition (see Software versions). Thereby, the installation for an edition with an available number of versions is integrated with free installations.
- Create a request file in the GridVis software as described above.
- Click Select from your list of editions after you log in to the License server.
- Select a required license from a list of already activated licenses and click Next to confirm your selection.
- Select the request file (see the Create a request file section above) created using the GridVis software by pressing the Browse button, and then click Next.
- The window below provides a brief overview of the selected license that you can activate by clicking the Activate button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop).
- Select within the GridVis software in the License manager window (e.g. via the link Show the License manager in the Welcome window or using the menuTools / License manager).
- Import the previously saved activation file via the Import the activation file option.
- The license will be activated and displayed in the License manager window on the right.

Projects N Projects P	Welcome Window ■ License4 Welcome Window ■ License4 Step: Create request file n oder to use this software it must be activated. Prist click on the button to oreate a file you will need for step 2. Save request file	anaper Window a License number 24-3676 Licensee Editon BASIC update period Until Jan 1, 1970 (0 days left) Activated version 0.0.0 Number of devices 5	
	2. Step: Activate installation online Please visit the locrese veloate. After sign, up you can manage your installations and download a activation file. Note that you can uses any you use the following file: C:ULsers/Desk http://focme.janitza.de		
	3. Step: Import activation fie In step 2 your received an activation fie for the installation via e-aal. Click the button to import that file to finish the activation progress.		
< <u> </u>			

Fig. GridVis License manager window

GridVis小V	f			Logged in as	& Log
Licenses	Activ	ate inst	tallation		
Icense list Activate installation	Here you	can activate y	our purchased software.		
Account settings	0.000				
Change details	1	Select License			
Change defails		Select License	2 Upload request	Overview	
Change details Change username Change password	Please cl	Select License	se from the table where the insta	llation is added:	llations left
Change details Change username Change password	Please cf	Select License noose one licen ID	2 Upload request is from the table where the insta	Ilation is added:	ilations left SERVER
Change details Change username Change password	Please cl	Select License hoose one licen D 24	edition BASIC	llation is added: DESKTOP Unfimited	llations left SERVER 0
Change details Ghange username Change password	Please ct	24 3677	BASIC PROFESSIONAL	Ilation is added: Ilation Sector DESKTOP Unlimited 2	Bations left SERVER 0 0
Crhange detais Change username Change password	Please cl	Select License noose one licen 10 24 3677	BASIC PROFESSIONAL	Converse llation is added: DESKTOP Unlimited 2	Bations left 0 0
Change betais Grange password Change password	Piease cl	toose one licer toose one licer 24 3677	ent the table where the insta edition BASIC PROFESSIONAL	Itation is added. Itation is added. DE SKTOP Unimited 2	Batices left SERVES 0 0 Ne

Fig. GridVis license server (select the edition)

GridVis License Server

Registration and Login

The License server is used to manage the licenses and editions required for the GridVis visualization software.

- Open an Internet browser on an Web-connected computer and go to *https://license.janitza.de*.
- If you do not have an online customer account, you should first create an account by clicking the Sign up button.
 - Click Sign up.
 - Complete the Register account form. The fields marked with * are mandatory and thus must be filled in. Click Next to confirm the information entered.
 - Read the Terms and Conditions and accept them for a successful registration.
 - For safety reasons, you will be asked to enter a code in the final step of the registration, which is provided as an image above the input field. Please enter the characters shown in the input field. Click Login to quit the Registration.
 - The GridVis License server will send a verification e-mail to the specified e-mail address to complete a successful registration by going to the link provided in the e-mail, which returns you to the License server.
 - Click Register product or Activate installation to activate the GridVis software.
- If you already have an online customer account, please enter your e-mail address and password once you have clicked Login.
- For further information on the activation of an GridVis edition see *Login and Activation of the GridVis Software*

GridVis Mr 🗕	
License Server	
customer sign	in
If it is your first visit, please	sign up using the following button:
sign up	
If you are already signed up	o, please provide your e-mail and password to log in.
e-mail Password	password?
login	
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Fig. GridVis License manager (homepage)

GridVis Mn 🕯			
License Server			
Sig	gn up an acco	ount	
This	wizard takes your through	three easy steps to finish the signup pro	ess.
	1 User details 2		
	Title	Mr. •	
	Extra Title	Max	
	Lastname	Mustermann	
	Position]
	Company name	Musterfirma	*
	Address		
	ZIP		j
Janitza [®] \${bamboo.jira.versio	n}-72		Privacy Imprint



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License Overview Menu

The License list menu is a listing of all registered licenses for the respective GridVis editions. This menu can be further enhanced by an Upgrade (later edition of the existing licence) and License extension options. The License extension specifies the update period for an existing license, i.e. the period of time when new free versions can be installed

- Upgrade your license
- Add Installation
- Extend your license
- Resend activation files



Fig. GridVis License server (license overview)

Add installation

Use this button to activate new GridVis installations on the License server (linking an installation to a license).

- Select the request file (see Login and Activation of the GridVis Software) created using the GridVis software by pressing the Browse button, and then click Next.
- The window below provides a brief overview of the selected license that you can activate by clicking the Activate button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop).
 Note: If you need to upload the activation file to another computer that has no Internet access, save the file on a USB flash drive.
- Select within the GridVis software in the License manager window (e.g. via the link Show the License manager in the Welcome window or using the menu Tools / License manager).
- Import the previously saved activation file using the Import activation file option.
- The license will be activated and displayed in the License manager window on the right.

License Server				
Licenses	Activate inst	allation		
 Icense list Activate installation 	Here you can activate yo	ur purchased software.		
Account settings	1 Select License	2 Upload request		
Change password	Selected license	e:		
	license id	24		
	edition	BASIC		
	update period	Unlimited		
	Please provide the active	ation file which you created in	the GridVis.	
	Previous		Next	

Fig. GridVis License manager (download request file)

Projects N Projects N Pro-	Weldow Window III Learney Lotter request flat Nonce to use this software it most be achieted. most be achieted. for you will need for step 2. R Save request file	anager Window N License number 24-3 Licensee Edition E update period U Activated version 0 Number of devices 5	676 HASIC ntl Jan 1, 1970 (0 days left) 0.0	
	 Step: Activate installation online Please visit the Icense website. After sign up you can manage your installations and download a activation file. Note that you can uses any computer for this step as long you use the following file: Cullsers: Desk http://license.janitza.de 			
	 Step: Import activation file In step 2 you received an activation file for this installation via e-mail. Click the button to import that file to finish the activation progress. 			
	Report activation file			

Fig. GridVis License window

Upgrade GridVis Edition (License Upgrade)

To upgrade the installed GridVis software, you need to have a serial number.

- If the computer has an Internet connection, you can start the browser and go to *https://license.janitza.de* to access the Grid-Vis License server directly.
- Enter your personal access data (e-mail address and password) and log in by clicking the Login button.
- Select the License list menu item.
- Start the wizard by clicking the Upgrade your license button to upgrade the license.
- Enter the newly purchased serial number into the form field and click Next to confirm.
- Use the License Upgrade button in the Overview window to activate the Upgrade. Click Upgrade license to forward the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop).
- Select within the GridVis software in the License manager window (e.g. via the link Show the License manager in the Welcome window or use the menu Tools / License manager).
- Import the previously saved activation file using the Import the activation file option.
- The license will be activated and displayed in the License manager window on the right.



Fig. GridVis License server (License Overview)

G ridVis MM	#	Logged in as	🛞 Logout
Leases Conce los Contratos de la constantion Locas estantos Constantos Co	Upgrade your license Upgrade your krense in teo easy steps. Research ary Commer Please enter the incenses key to upgrade your incense		Rest
Janitza [®] S(bamboojira)	version)-72	Priv	icy Imprint

Fig. GridVis License server (License Upgrade)

	Upgrade your	license	
 license list Activate installation 	Upgrade your license in two	easy steps.	
Account settings If Change details If Change username	1 licenses key	2 Overview	
Change password	Your entered licenses key is with the button.	s valid. Please check the following overview. If	everything is okay, please proc
	Target license		
	license id	3677	
	edition	PROFESSIONAL	
	edition update period	Valid until May 23, 2013	
	edition update period Upgrade	PROFESSIONAL Valid until May 23, 2013	
	edition update period Upgrade licenses key	PROFESSIONAL Valid until May 23, 2013	
	edition update period Upgrade licenses key Upgrade to edition	PROFESSIONAL Valid until May 23, 2013 ENTERPRISE	
	edition update period Upgrade licenses key Upgrade to edition	PROFESSIONAL Valid until May 23, 2013	

Fig. GridVis License server (License Overview)

Janitza^{*} \${bamboo.jra.

GridVis License Extension

The period of time when new free versions (updates) may be installed can be extended via the GridVis License server.

- If the computer has an Internet connection, you can start the browser and go to *https://license.janitza.de* to access the GridVis License server directly.
- Enter your personal access data (e-mail address and password) and log in by clicking the Login button.
- Select the License list menu item.
- Start the wizard by clicking the Extend your license button to review the license.
- Enter the new serial number into the form field and click Next to confirm.
- Click Extend license on the Overrview page to complete the process.
- Click Resend activation files (License list menu) to forward the required activation file to the specified e-mail address.



Fig. GridVis License server (License Extension)

License Server			
	Extend your I	cense	
 license list Activate installation 	Extend your license in two	easy steps.	
Account settings	1 licenses key	2 Overview	
Change password			
Change password	Your entered licenses key with the button.	is valid. Please check the following overview	. If everything is okay, please proce
Change password	Your entered licenses key with the button. Target license	is valid. Please check the following overview	r. If everything is okay, please proce
Change password	Your entered licenses key with the button. Target license license Id	s valid. Please check the following overview 3677	. If everything is okay, please proce
Change password	Your entered licenses key with the button. Target license license id edition	s valid. Please check the following overview 3677 ENTERPRISE	I ff everything is okay, please proce
Change password	Your entered licenses key with the button. Target license license Id edition update period	s valid. Please check the following overview 3677 ENTERPRUSE Valid until May 23, 2013	: If everything is okay, please proce
Change password	Your entered licenses key with the button. Target license license id edition update period Extension	s valid. Please check the following overview 3677 ExiTERPRISE Valid until May 23, 2013	: If everything is okay, please proce
Change password	Your entered licenses key with the button. Target license license id edition update period Extension licenses key	s valid. Please check the following overview 3677 ENTERPRISE Valid until May 23, 2013	r If everything is okay, please proce
 Change password 	Your entered icenses key with the button. Target license license id edition update period Extension licenses key Extension period	s valid Please check the following overview 3677 ENTEEPRISE Voted until May 23, 2013 +12 Month(s)	r If everything is okay, please proc

Fig. GridVis License server (License Extension)

Send New Activation Files

Click Resend activation files to forward the required activation file to the specified e-mail address.

- Start up a browser on an internet-connected computer and call up the GridVis License Server at *https://license.janitza.de*.
- Complete your login details (e-mail address and password) and login by pressing the login button.
- Select the "License list" menu item under licences.
- Start the process by pressing the "Resend activation files" button.



Fig. GridVis License server (License Overview)

Activate Installation Menu

Activate Installation

Use this menu item to activate various editions on the License server. The activation (linking an installation to a license) of the GridVis software on the License server - depending on the edition - enhances functionality.

- Use Purchased Edition
- Use Basic Edition
- Select from your list of edition

<image>

Fig. GridVis License server (Selection and Activation)

Further information about activating a GridVis-Edition can be found at *GridVis Installation and Activation*.

Use Basic Edition

You need to activate this version before you can use it.

- Select the request file (see Login and Activation of GridVis) created using the GridVis software by pressing the Browse button, and then click Next.
- This window provides a brief overview of the selected license that you can activate by clicking the Activate button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop). Note: If you need to upload the activation file to another computer that has no Internet access, save the file on a USB flash drive.
- Start the GridVis software and select in the License manager window (e.g. via the link Show the License manager in the Welcome window or using the menu Tools / License manager).
- Import the previously saved activation file using the Import the activation file option.
- The license will be activated and displayed in the License manager window on the right.

GridVis∧/\\∧	Ħ		Logged in as	E 😣 Logo
Licenses	Activate inst	allation		
 Activate installation 	Here you can activate yo	our purchased software.		
Count settings If Change details If Change username	1 Select License	2 Upload request		
Change password	Selected licens	e:		
	license id	24		
	edition	BASIC		
	update period	Unlimited		
	Please provide the activ	ation file which you created	d in the GridVis.	
		Durchsuchen.		
	Previous		Next	

Fig. GridVis License server (download the request file)

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Use Purchased Edition

When you use a newly purchased edition of the GridVis software (e.g. Professional or Enterprise edition etc.), you must also have a serial number, which is located on the CD cover or on the product delivery note.

- Select Use Purchased Edition on the Activate Installation page and paste your serial number in the form field. Click Next to confirm.
- Select the request file (see Login and Activation of the GridVis Software) generated using the GridVis software by pressing the Browse button, and then click Next.
- The window below provides a brief overview of the selected license that you can activate by clicking the Activate button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop).
 Note: If you need to upload the activation file to another computer that has no Internet access, save the file on a USB flash drive.
- Start the GridVis software and select in the License manager window (e.g. via the link Show the License manager in the Welcome window or using the menu Tools / License manager).
- Import the previously saved activation file using the Import the activation file option.
- The license will be activated and displayed in the License manager window on the right.



Fig. GridVis License server (serial number input)

GridVis Mr	#	Logged in	
Licenses Il license list Activate installation	Activate inst	allation ur purchased software.	
Account settings If Change details If Change username Change password	Selected license	2 Uptoad request 3 Over	
	license id	3677	
	edition update period	ENTERPRISE Valid until May 24, 2014	
	Please provide the activa	tion file which you created in the GridVe Durchsuchen	Next
	Previous		Next
a literation of the second second	and the second se		Deleases



Use Already Available Edition (select from your list of edition)

This button is used to activate further GridVis software installations of an already available edition (see Software versions). Thereby, the installation for an edition with an available number of versions should be integrated with free installations (see Figure on the right)

- Select the required edition (with an available number of installations) and click Next to continue.
- Select the request file (see Login and Activation of the GridVis Software) created using the GridVis software by pressing the *Browse* button, and then click *Next*.
- The window below provides a brief overview of the selected license that you can activate by clicking the *Activate* button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop).
 Note: If you need to upload the activation file to another computer that has no Internet access, save the file on a USB flash drive.
- Select within the GridVis software in the *License manager* window (e.g. via the link *Show the License manager* in the *Welcome window* or using the menu *Tools / License manager*).
- Import the previously saved activation file using the *Import the activation file* option.
- The license will be activated and displayed in the *License* manager window on the right.



Fig. GridVis License server (select an edition)

GridVis _M	#	Lopped in ast	X Logou
Licenses	Activate insta	llation	
 Activate installation 	Here you can activate you	r purchased software.	
Account settings	1 Select License	2 Uploed request 3 Overview	
Change password	Selected license	:	
	license id	3677	
	edition	ENTERPRISE	
	update period	Valid until May 24, 2014	
	Please provide the activat	on file which you created in the GridVis.	Next
	version).74		Privacy Impri

Fig. GridVis License Server (upload the request file)

0	i 🖬 in al 🚳 🖓 🗔 🖉		
Projects	LearsetManager Window R 1. Step: Create request file In order to use this software it must be activated. Prist dick on the buttom to create a file you will need for step 2.	License number 3677-3677 Licensee Editon PRO	ESSIONAL
	🔗 Save request fie	update period Until Ma Activated version 0.0.0 Number of devices Unlimite	y 23, 2013 (365 days left) 1
	2. Step: Activate instaliation online Pasea wish the locar website. After sign up you can manage your installations and download a activation file. Note that you can use any computer for his step as long you use the following file: CU3 estriPC128 grid/streng http://come.junitaa.de		
	 Step: Import activation file In step 2 you received an activation file for this installation via e-mail. Click the button to import that file to finish the activation progress. 		
	A Import activation file		

Fig. GridVis software (License manager window)

Account Settings Menu

Change E-mail

Use the Change E-mail account settings to change the e-mail address required for Login. Once you have entered your new e-mail address, click Send to receive an e-mail confirmation from the Grid-Vis License server.

Change Password

Use the Change password account settings to change the password required for Login. The new password must be at least 6 characters long with a desired combination of letters and numbers. Click Change Password to apply changes.

License Server			
Licenses	Change us	sername	
Activate Installation		You can change your e-mail address anytir	ne. In order to do so, please
Account settings		sure the address is correct.	send you an e-mail to make
Le Change username			
Change password		Current Username:	
		New username	
	Send		

Fig. GridVis License server (changing your e-mail address)

GridVis ∧M∿	#	Logged in as	😸 Logout
Licesse Construction Constructions Accesser settings Constructions Construct	Change pa	SSWORD You can change your password anytime. Please password. Your username: Password Password Password Oharge password	e type in your new
Janitza" (S(bamboograv	rersion)-76		Privacy Imprin

Fig. GridVis License server (changing password)

GridVis Service

Requirements

The following basic requirements must be met to use the GridVis Service software:

- A license for the GridVis Service module
- A Windows Server (2003, 2008, 2008r2) or a Windows PC (Windows XP, Vista, Windows 7)
- At least 8 GB of storage (RAM)
- A MySQL/MSSQL server

GridVis Service Installation

The Setup wizard will guide you step by step through the installation of the GridVis Services..

- Close all open programs before installing the GridVis software.
- Start the installation program and follow the instructions of the wizard.
- Read the license agreement and accept the appropriate terms and conditions for a successful installation.
- Use the *Browse* button to select the target folder for the installation files or confirm the default path. Click *Next* to confirm the selection.
- Select the location folder by clicking the *Browse* button or confirm the default path. Click *Next* to continue.
- Determine the port for communication (internal HTTP server) or accept the default port number. Click *Next* to continue the installation.
- Prior to the completion of the installation, the wizard displays the link in blue font for the web interface (see Fig. GridVis Service (complete the installation)).
- Please note this link down since you will need it later to access the Web interface!
- Click *Finish* to complete the installation.
- Start the edition as descibed in "Start GridVis Service and Login".



Fig. GridVis Service (Installation Wizard)

Setup - Janitza-GridVis Service 3.0.0	_ D X
GridVis Server Datadir Where should the service store its configuration and temporal data?	
e.g. c:\GridVisData	
GridVis Server Datadir	
c:\GridVisData	Browse
nstall4j	Next > Cancel

Fig. GridVis Service (specify installation path)

🚼 Setup - Janitza-	GridVis Service 3.0.0	
Server Port Port number of s	erver	
Please define the	a part used by the internal bttp server	
Predse define die		
Port [165535]	8080	
install4j		
	< Back	Next > Cancel

Fig. GridVis Service (select port number)



Start GridVis Service and Login

- Start and Internet browser and enter the web address (URL) http://localhost followed by a colon and the port number assigned during installation.
 If you followed the instructions of of the installation wizard, the Web interface will start at http://localhost:8080.
- Enter your personal access data (username and password) to login.
 When you log on for the first time (e.g. after installation), en-

ter **admin** as a user name and **Janitza** as a password. Please note that the system is case-sensitive.

- Click Login to log on to the GridVis Service software interface.
- Follow the instructions to activate the GridVis Service Edition (see *Activate Edition*).
- Enter a server name, if you have not done it before (see *Server Configuration* Menu).
- Download a Project generated using the GridVis Basic, Professional or Enterprise editions (see *Setup Project* Menu).

GridVis ∕M∿	# 0	Current Project Dicose a project 👻
	Configuration	
Adm Overe Lat Overe Lat Overe Lat Course Lat Lense Accourt Settings Genere Contg Overe Contg Overe Contg	Sign in Defaut username & "admin" Username: admin Passweid Ø Remember Me Signin, Reset	
Janitza [°] Janitza GridV	Tis Service 3.0.0-SNAPSHOT(2012-04-26_10-00-24)	Mittwoch, 23. Mai 2012 07:32

Fig. GridVis Service (Login)

Activate Service Edition

The installation of the GridVis Service software is activated through a wizard by selecting a request and activation file within the License overview.

• Create a request file as described in Step 1. Assign a unique file name and save it by clicking the *Download request file* on your computer.

If the computer is NOT connected to the Internet, the newly created file (Request file) can be copied to an external storage device (such as a USB flash drive) and sent to the License server via another computer with an Internet access.

- If the computer has an Internet connection, you can start the browser by going to *http://license.janitza.de* to access the License server directly.
- If you do not have an online customer account, you should first create an account by clicking the *Sign up* button.
 - Click Sign up.
 - Complete the Register account form. The fields marked with * are mandatory and thus must be filled in. Click *Next* to confirm the information entered is correct.
 - Read the Terms and Conditions and accept them for a successful registration..
 - For safety reasons, you will be asked to enter a code in the final step of the registration, which is provided as an image above the input field. Please enter the characters shown in the input field. Click *Finish sign up* to complete the Registration process.
 - The GridVis License server will send a verification e-mail to the specified e-mail address to complete a successful registration by going to the link provided in the e-mail, which returns you to the License server.
 - Click Activate Installation to activate the GridVis software.
- If you already have an online customer account, please enter your e-mail address and password once you have clicked *Login*.
 - Click Activate Installation to activate your software.
- Click Use Newly Purchased Edition to start the Acivate Installation wizard..
- Enter the serial number located on the CD cover or the product delivery note into the form field. Click *Next* to confirm.
- Select the request file (see Download request file) created using the GridVis software by pressing the *Browse* button, and then click *Next*.



Fig. GridVis Service (license configuration)

GridVisı∕Mı	#	
	Sign up an account	
	This wizard takes your through three easy steps to finish the signup process.	
	1 User details 2 Terms and conditions 3 Final	
	HNO48HO	
	Previous	Finish sign up
Janitza' S(bamboo.jira)	version)-72	Privacy Imprint

Fig. GridVis License server (logging into account)

G ridVis MM	#	Logged in as	😣 Logout
License Server			
License Consolitation Consolitation Access settings Charge dealer Charge passeord	Welcome to the License Set You can find your available options in the menu on the Atternative the button brings you directly to the activat Activate installation	rver : left.	
Janitza [®] S(bamboo.pra.)	version)-72	Pri	wacy Imprint

Fig. GridVis License server

²⁰ Janitza[®]

- The window below provides a brief overview of the selected license that you can activate by clicking the *Activate* button. The License server then sends an e-mail with the required activation file to the specified e-mail address.
- Open your e-mail client and save the attached activation file on your computer (e.g. on the desktop or an USB flash drive).
- If the GridVis Service interface was closed, restart it by going to localhost (e.g. *http://license.janitza.de*) and log on.
- Select the activation file you have received by pressing the *Browse* button. Click *Open* or *Upload activation* file to confirm your selection.
- Assign a server name after successful activation (*Server Con- figuration* Menu).
- Note: It is recommended that you change your password after the installation to ensure safety (*Account Settings* Menu (Password)).



Fig. GridVis License server (starting the wizard)

Linesee	Activate install	ation	
license list	Activate instan	ation	
Activate installation	Here you can activate your p	urchased software.	
LE Change details	1 Select License	2 Upload request 3 Overview	
Change username Change password	Selected license:		
	Research inf	9677	-
	edition	BOOEERRIONAL	
	update period	Valid until May 23, 2013	-
	update period	valid until May 23, 2013	
	Selected Installation	on:	
	Version of installation	Janitza-GridVis 3.0.0-	
		SNAPSHOT(2012-05-03_22-31-27)	
	Installation type	DESKTOP	
	Created on	Tue May 22 11:09:20 CEST 2012	
	Custom text	PC129	
	Custom text	PC129	
	Click on the button "activate"	to add the installation to your license.	

Fig. GridVis License server (brief overview of the licenses for activation)

Display Device List

The device list provides an overview of the devices integrated in the project.

- If you select a device by clicking the mouse, use the pop-up menu to perform a connection test. If the computer is Web-connected, the selected device is highlighted in green.
- Use the (">", ">>", "<", "<<") buttons to switch between pages if more than one device is displayed.
- Use the Filter text input field to display a specific selection of devices. The devices are filtered accordingly and displayed once the filter input has been matched with the type, name, description, and connection data.
- Click *Overtake all* to confirm and manage the devices selected for the project.
 - The devices added for the project in the GridVis software (Basic, Professional, Enterprise) are saved in Grid-Vis and managed by the Basic, Professional or Enterprise software editions (e.g.automatic synchronization, time synchronization, online records and watchdog).
 - When you install the GridVis Service software, you should also set a priority (responsibility) between two versions of the software by clicking the Overtake all button. Use the respective software to make any subsequent changes.
 - If the device priority (responsibility) is set for the Basic, Professional or Enterprise editions, a warning message will appear in the device list of GridVis Service (see figure on the right). Click the Overtake all button to accept the priority.
 - A message indicating the lack of priority ("This application does not have the priority rights for one or more devices") occurs when you start Basic, Professional or Enterprise editions which have access to project set up in the GridVis software. Click OK to confirm.
 - •
 - If you wish to transfer the priority (responsibility) of the devices to the Basic, Professional or Enterprise editions, you should make changes within these editions. To do this, open the project dialog with the corresponding project tree and highlight the device by clicking the right mouse button. Then select the *Takeover device* option in the pop-up menu.



Fig. GridVis Service (project device list)

	onliguratio	on			
Admin Device List Setup Project License	L for as	3 of 3 devices this application ichronization will not world Tin watchdogt	is not owner! Those devices may be re synchronization will not work! Onlin	ased only with restrictions! Autom recording will not work! Device	natic e may not be used
Account Settings	Devic	e List			Overtake all
 About 	Current P	Project: Pro1			
	Filter:	Filter	Clear	Showing 1 to 3 of 3	
	Type :	: Name -	Description	s State	o ∭ac Last sync.
	UMG 511	Haupteinspeisung Halle 3		TCP IP Adresse: umg511-he.tst	
	UMG 604	Messung 1.0.10-12 (Klima)		TCP IP Adresse: umg604-ut.tst	
	UMG 96RM	UMG96RM-E-RCM Schreibtisch	Janitza electronics,UMG96RM-E-RCM	ModTCP IP Adresse: 192.168.3.177 Geräteadresse: 1	

Fig. GridVis Service (device list with control message)

Project Setup

The projects that have been created in the GridVis software (Basic Edition, Professional or Enterprise) should be integrated into project settings. In this case, these projects require access to MySQL or MSSQL database. If the project was created using a Derby database, the project cannot be integrated into the GridVis Service software.

 Set the path, including the name of the project created in the GridVis software.
 If a project named *Pro1* was created in the *C*:*Temp*, the

C:\Temp\Pro1 path should be entered under Project settings in the GridVis Service software.

The entire path of the project created in the GridVis software (Basic, Professional or Enterprise) can be read out in the respective edition. Therefore:

- Open the GridVis software (Basic, Professional or Enterprise).
- Download or create an appropriate project.
- Click the top node of the respective project tree in the project window.
 (if the dialog does not appear, it can be displayed under Dialog/projects).
- The Overview window provides an overview of the information on the project with the project directory. (if the dialog does not appear, it can be displayed under Dialog/projects)
- Click *Load Project* to download a preset project. An overview of the devices integrated in the project will be displayed when you open the project (see Device List Menu).

Please note that the GridVis software does not support Derby databases, i.e. you can not download the projects accessible via a Derby database!

If you select a project from the Project listing by clicking the left mouse button, you can configure the pop-up menu settings so that the selected project can not be downloaded the next time you start the server.

Use Windows management tools if you need to restart the GridVis software.



Fig. GridVis Service (project setup)

Gridvis Service	Configu	uration				
Admin	Devi	ce List		0	vertak	e all
Setup Project	Current	Project: Pro1				
	Filter:		Filter Clear Showing	1 to 3 of 3 << <		
Settings		_				Last
Server Config	Type o	Name -	Description ©	State	e e	sync
• • • • • • • • • •	UMG 611	Haupteinspeisung Halle 3		TCP IP Adresse: umg511-he.tst	0	
				TOD		
	UMG 604	Messung 1.0.10-12 (Klima)		IP Adresse: umg604-ut tst	۲	-

Fig. GridVis Service (project device list)



Fig. GridVis Service (project status information)

License Menu

Use a request and activation file to activate the GridVis Service software through a wizard within the License Overview.

In the current version of the GridVis Service software, the activation should only be done once after the installation as described in *Activate Service Edition*.

Account Settings

Generate a new password for the GridVis Service under this menu item. For safety reasons, you will be prompted to enter the old password and then input the new one.

- Enter the old password which is still active under Current password. When the sofware is installed for the first time, the password is **Janitza**.
- Enter the desired password under New Password and confirm it by entering your password again in the Repeat new password input field.
- Click Change password to confirm your entry.



Fig. GridVis Service (license configuration)

GridVis MM	# Configuration	Current Project Occase a project •	Eugout
Admin Conce List Entry Project Lister Lemme Account Softmas Server Contg Proout	Account Settings Here you can review and manage you Username: admin In order to change your current passes Current password New password (repetition) Lehange Password	r user account.	5.
Janitza [®] Janitza-GridVi	s Service 3.0.0-SNAPSHOT(2012-04-26_10-00-2	4) O Mittwoch, 23.	Mai 2012 07:30

Fig. GridVis Service (change password)

Admin Povice List Setup Project Cicense Account Settings	Server Configuration Server name Piease enter server name	
Server Config	Server name Setserver name Attention: This can take se again!	ome time! You need not click

Fig. GridVis Service (set server name)

Server Configuration

The Server Configuration menu should be assigned a unique server name. The server name is used within the GridVis software to uniquely identify the service.

 Enter a unique server name and click Set server name to confirm the entry.
 This process can take several minutes. Please wait until the

process is finished..

²⁴ Janitza[®]

About Menu

This menu item displays more information about the GridVis Service software, such as software versions and build IDs. Click *Common, Application Log* or *Device Sync Log* to access the so-called log files (logs).



Abb.: GridVis Service (Information)

Troubleshooting

It may sometimes happen that the connection to the GridVis Service fails or the Service does not reply. Use the Windows management tools to close the GridVis Service.

- Start the Windows Computer Management via System Control.
- Start Service Management via Service.
- Browse *GridVis Service* and re-start it by clicking the appropriate button.
- Open an Internet browser and start the GridVis Service interface.

Q. Services						- • ×	
File Action View	Help						
(+ +) 🗔 🗎 🖸	2 🚯 🛛 📰 🕨 🗰 H 🕪 👘						
Services (Local)	Services (Local)	_					
	GridVis Service	Name	Description	Status	Startup Type	Log On As	*
	Stop the service Restart the service Description: Service that communicates with the devices	Filler Strike Stri	Enables you This service The FDPHO Publishes thu Service that Provides X.5 Makes local Performs ne Provides Su Provides Su Provides Su Intel(R) Iden Der Intel(R) Bietet Speic Enables use	Started Started Started Started Started Started Started Started	Manual Manual Manual Automatic Automatic Manual Manual Manual Automatic Manual Automatic (D Automatic (D Automatic (D Automatic (D Automatic (D Automatic (D Manual	Network S Local Syste Local Service Local Syste Local Syste	ш
		Ginternet Connecti	Provides ne	·····	Disabled	Local Syste	-
	Extended Standard	•				•	

Fig. Windows Management Service