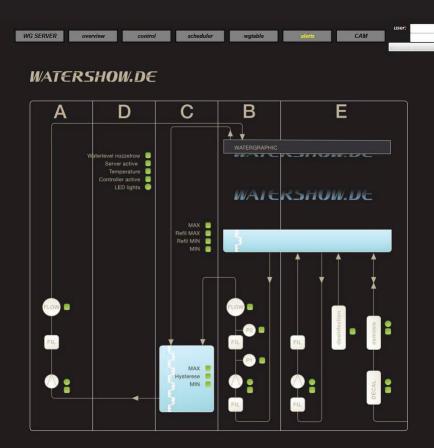
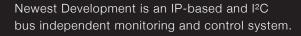
WATERGRAPHIC MAIN CONTROL CENTER





•





FUNCTIONS:

- > Touch PC used for controling and monitoring the system
- > Web diagnostic capability via Logbook
- > Recognition of critical states before efficiency loss
- > Web Interface to show the state of the system in realtime
- > Fully automated switch on/off with safety monitor for each devices
- > Operational voltage check-up
- > Monitoring of pumps and water flow
- > Is there water in the valve system?
- > Water tank level monitoring
- > Observation of the water tank refill system
- > Switch on/off main controller
- > Temperature monitoring
- > Monitoring of the filter state

THE TOUCH Display:

The Watershow system is completely controlled via a Touch Display.

Which does not only show the current system state, but also the system can be programmed by using the touchpanel, new water pictures can be put in and the system can even be controlled manually.

Selecting the menu item "Overview", you can see a schematic representation of the system including all sensors and actors (switches), which are depicted in different colours according to their state.

THE CONTROL WINDOW:

Here you can control the whole system manually.

TIME CONTROL:

With the scheduler you can create individual programs, which start automatically at a fixed time.

So you can create your own show for every day and predefine the time you want to play it.

WGTABLE:

This menu item shows you all sensors and actors and their current status.

The values, which give the alarm, can be adjusted in the menu item EDIT.

Active alarms can be found in the "alerts" menu. (if a sensor detects values out of range)



overview	control	scheduler
	overview	overview control

upload scheduler files

Durchsuchen_ Ke	eine Dateie	en ausgewähl	L
samstag.show		del	
sched		del	
sched_wrapper.wrp	internation	del	
montag.show		del del	
one_line.sh		del	
sonntag.show		del	
donnerstag.show		del del	
einstein.show		del 🗌	
mittwoch.show		del 🗌	
albert.show		del	
freitag.show		del	
dienstag.show		del del	

10/2	SERVER overvi		control	scheduler	wgtable		ale			CAM		use	a:
WG	SERVER OVERVI	ew	control	scheduler	Wgtable	-	316	nts		CAM			
Sun, 1st Dec	2013 15:05											E	nviar consult
ruit, Tat Dec	2013 13.03												
WG_SER location	VER:sleeping		manuf. I/O	function	all sens/act	_			type mi			st.	val
	emain power switchboard		manui. 1/0	input voltage L1	input voltage L1	81 0	թթո		0 sensor 210			St.	230.75
bruimenstuo	emain power switchooart	252 a2		input voltage L2	input voltage L2	0			0 sensor 210			н	
		257 a3		input voltage L2	input voltage L2	0			0 sensor 210			н	
		354 a4	Konrad	emergency stop	emergency stop	0		0xa5		245	0.0		
		355 a5	Konrad	watergraphic server		0		0xa5	actor		1.0	ŏ	
		356a6	Konrad	led lights	led lights	0		0xa5	actor		0.0	ŏ	
		357a7	Konrad	INTERN Option restart WG				0xa5	actor		0.0	ŏ	0
		334a8	Konrad	emergency stop active	emergency stop aktiv			0xaf	sensor		1.0	М	
	pump switchboard	258b1	Konrad	pump filter	pump filter	0		0xa5	actor		1.0		0
	pump switchoodid	259b2	Konrad	pump clean	pump clean	0		0xa5	actor		1.0	ŏ	
		32165	Konrad	flow filtercircle	flow filter circle	0		0xaf	sensor 1		1.0	H	
		322.66	Konrad	flow cleanwatercircle	flow clean water cir			0xaf	sensor 1		1.0		
		32367	Konrad	pump failure filter	pump fail filter	0		0xaf	sensor 0	0	1.0	H	
		32468	Konrad	pump failure clean	pump fail clean			0xaf	sensor 0		1.0	н	
		24619	Druck A	filter pressure A in	filter press A in	ů.	4	0x28			0.0	н	
			Druck B	filter pressure B out	filter press B out			0x28			0.0	н	
		362 b11		filter pressure diff(A,B)	Pressure diff AB	ů.			sensor 0	550	0.0	н	
		246b12		clean pressure C in	filter press A in				sensor			П	
		247613		clean pressure D out	filter press B out	0			sensor			Ē	
		362.614	virtual	clean pressure diff(C.D)	Pressure diff AB			Oxfac	sensor 0	550		П	
	tank managment	253 c1	Konrad	refill	Refill A	0			actor		0.0		0
		317c5	Konrad	basin max	basain max			0xaf	sensor 1			ň	
		318c6	Konrad	basin refill max	basain refill max	0		0xaf	sensor 1		0.0	Ē	
			Konrad	basin refill min	basain refill min			Oxaf	sensor 1		0.0		
		320 c8	Konrad	basin min	basain min	0		0xaf	sensor 1		1.0	Ē	
		326c13	Konrad	tank max	tank max			Oxaf	sensor 1		0.0		
		327c14	Konrad	tank hysteresis	tank hysteresis	0		0xaf	sensor 1		1.0	Ē	
		328 c15	Konrad	tank min	tank min			0xaf	sensor 1				
	main server = Allnet	1 d1	Konrad	rack temperature	Intern temp allnet	0	0	0x2	sensor 0	50	30.0	П	
Decke	controller switchboard	358 e1	Konrad	Ctrl Power	ctrl power			0xa5	actor				
		359 e2	Konrad	server on option	server on option		Ő	0xaS	actor		0.0	ŏ	0
		346 c5	Konrad	server active	Server active			Oxaf	sensor 1			M	
		347 e6	Konrad	waterlevel nozzelrow	waterlevel nozzelrow	71	Ő	Oxaf	sensor 1		1.0		
		348e7	Konrad	controller active	ctrl active			Oxaf	sensor 1		10		
		113 e9	Konrad	Ctrl 1 temp 1	Ctrl 1 temp 1			0x1	sensor 0	60	40.0		

WATERGRAPHIC MAIN CONTROL

vj.so uptor

DHOS

The Watergraphic Server:

By pushing the "wg_control" button you can access the main user interface. Here you can control the whole applications by

pressing the corresponding buttons.

GLOBAL CONFIG:

Here you adjust the global configuration of the system.

PIC2DAT CONFIG:

The main specifications of the system are set here only once, i.e. whether it is a 48- or 96valves/meter system and whether the valve row will be controlled as a whole or the valves shall be devided into different sections (multiscreen application)

PIC UPLOAD:

In this menu you can upload your own water pictures in a .bmp format to the system. Via a pull down menu you can select a particular screen.

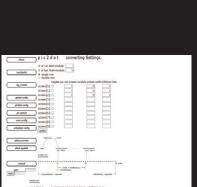
The preset screen is screen 0.

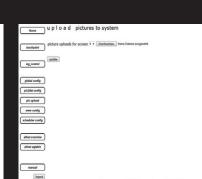
(multiscreen application)

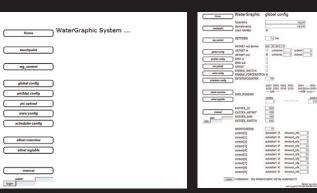
Within seconds the 1-bit black and white bitmaps will automatically be converted into .dat files that can be selected immediately. That way bitmaps can be created live with external devices and then be saved in an autostart folder.

They will be converted and started directly.

Home	WaterGraphic v	www getpics config	Home	wg_control:
touchpaint wg_control	WWW_ENABLE WWW_SERVER WWW_ORGANIZER WWW_EVENTNAME WWW_QCHECK_URL	http://www.watergraphic.de 0 0 qcheck.php 5 sec	touchpaint wg_control	send screen0 screen1 screen2 screen3 screen4 screen5 screen6 screen7 screen8 screen9
global config pic2dat config pic upload www.config	WWW_CHECK_DELAY WWW_DWNLD_TIMEOUT WWW_DWNLD_RETRY update		global config pic2dat config pic upload www config pcheduler config	
scheduler config allnet overview			allnet overview) allnet wgtable	
anner wgtable			manual	









CAM: As Option you can adapt independant web cams for monitoring the system in realtime.

WG SERVER overview control scheduler wydable control CAM



SHORT FACTS:

The watergraphic main control was developed for permanent installations in compliance with our customers' wishes and simplifies the handling of the watergraphic systems enormously.

Critical operating states can be identified early and therefore system shutdowns are avoided.

Via the web surface we can get a quick overview of the system state without being on site.

Furthermore we can help the user by giving fast and exact instructions how to act directly.

Thereby the costs for service and maintenance are considerably lower.

The Touch operating system is independent of the main system and can be installed in control rooms or similar places via Lan.

This allows to control and monitor the whole system from there.

Watergraphic state of the art main control center, which guarantees maximum security and handling to the customer for permanent installations.

Watershow.de GmbH Phone +49931 452 964 7 Fax +49931 452 964 8 E-Mail sales@watershow.de Web www.watershow.de