

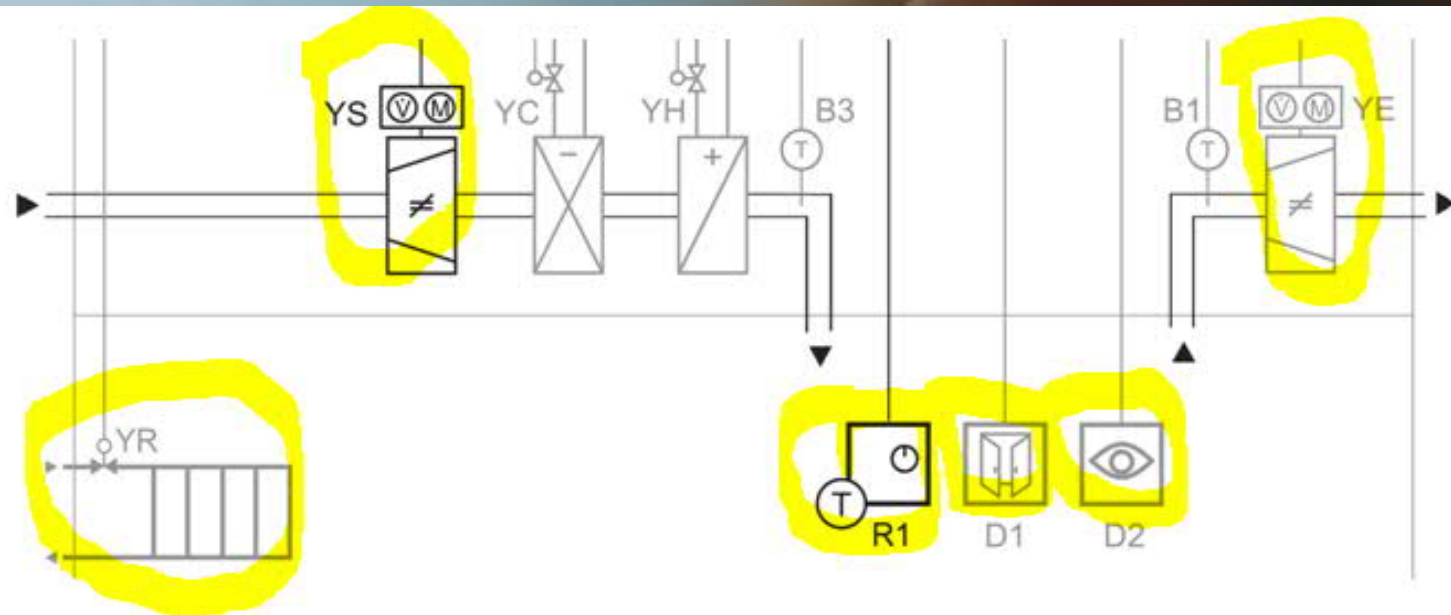
Mitte ainult monitooring!

Tark andur sisaldab 3 Pid regulaatorit

Kollasega on tähistatud juhtimisfunktsioonid lisaks monitooringule, lisaks ühendatav kohaloleku- ja akna/ukse oleku on-off andurid



Led lamp
Näitamas
CO2 taset



“Tark andur”

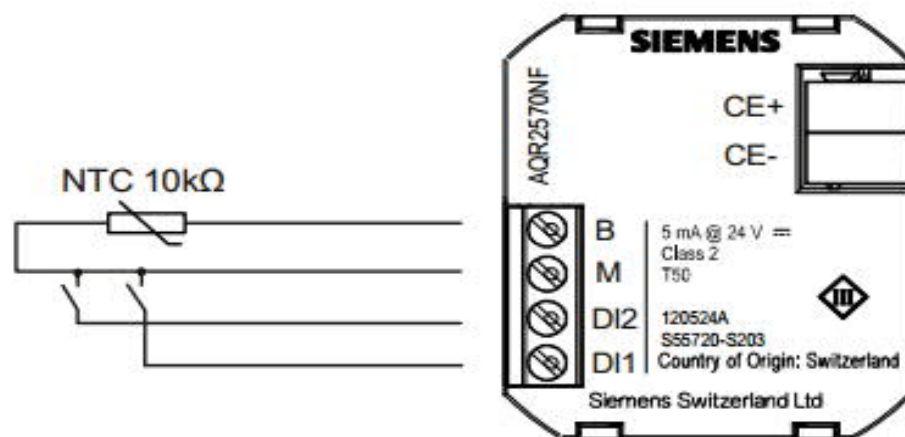
Combinable multi-sensor to measure temperature, humidity, and CO2 concentration x Range 0...+50 ° C / 0...95 % r.h. (non-condensing) / 0...5000 ppm x Air quality indication via LED x PID room temperature controller and ventilation controller (KNX S-Mode) x 2 binary inputs for potential-free contacts x Optimized, energy-saving measuring methods ideal for energy-efficient room applications x Supplied via bus x

Humidity measuring range	Temperature measuring range	Air quality indication
—	—	—
—	0...50 °C	—
0...100 % r.h.	—	—
0...100 % r.h.	0...50 °C	—
0...100 % r.h.	0...50 °C	LED



AQR253...

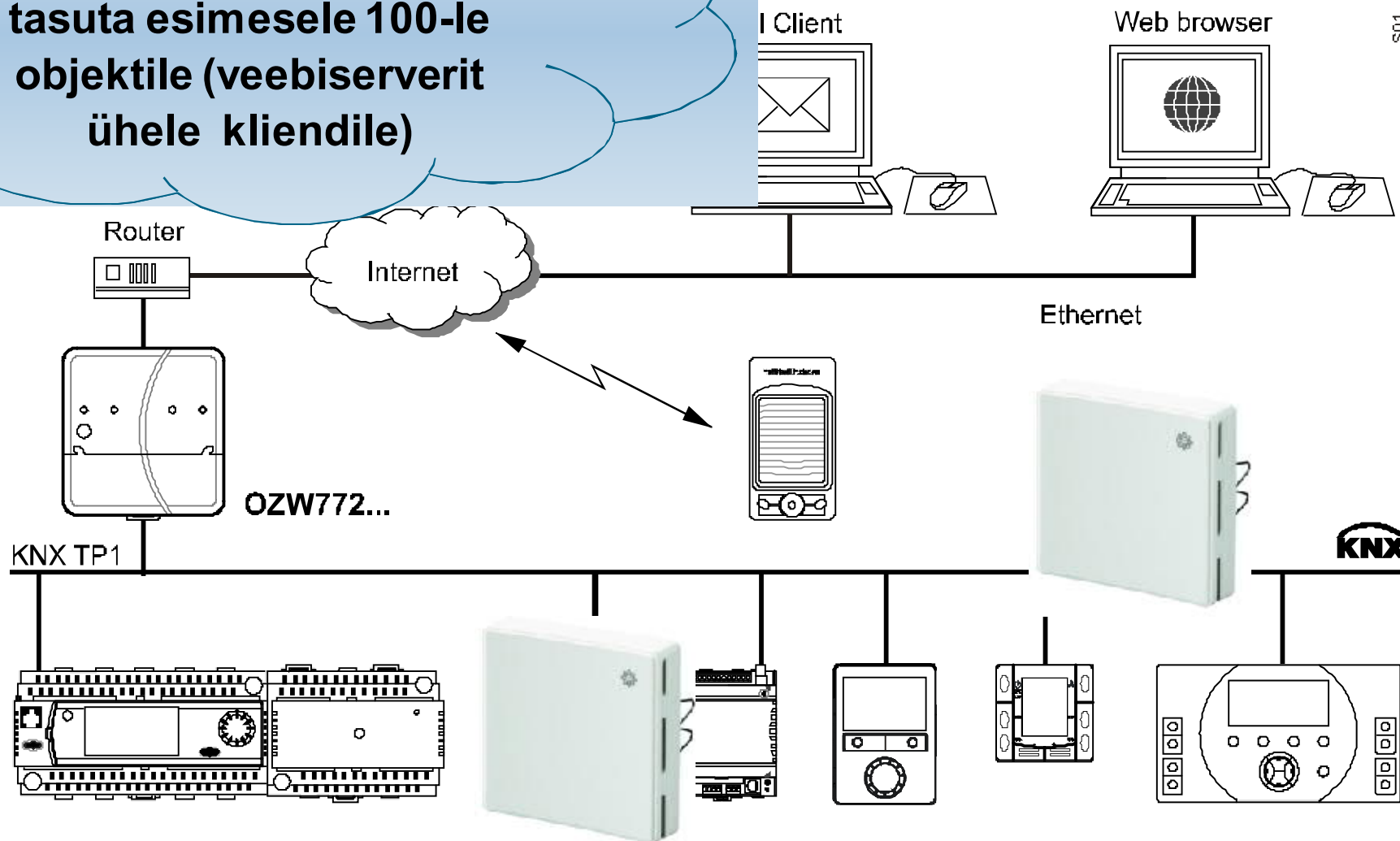
AQR257...



System/Network environment	Engineering and commissioning tool(s)
KNX PL-Link	Desigo ABT, SSA
KNX LTE-Mode	Synco ACS
KNX S-Mode	ETS3, ETS4

Max 250 KNX seadet ja 239 lisa parameetrit ühele veebiserverile

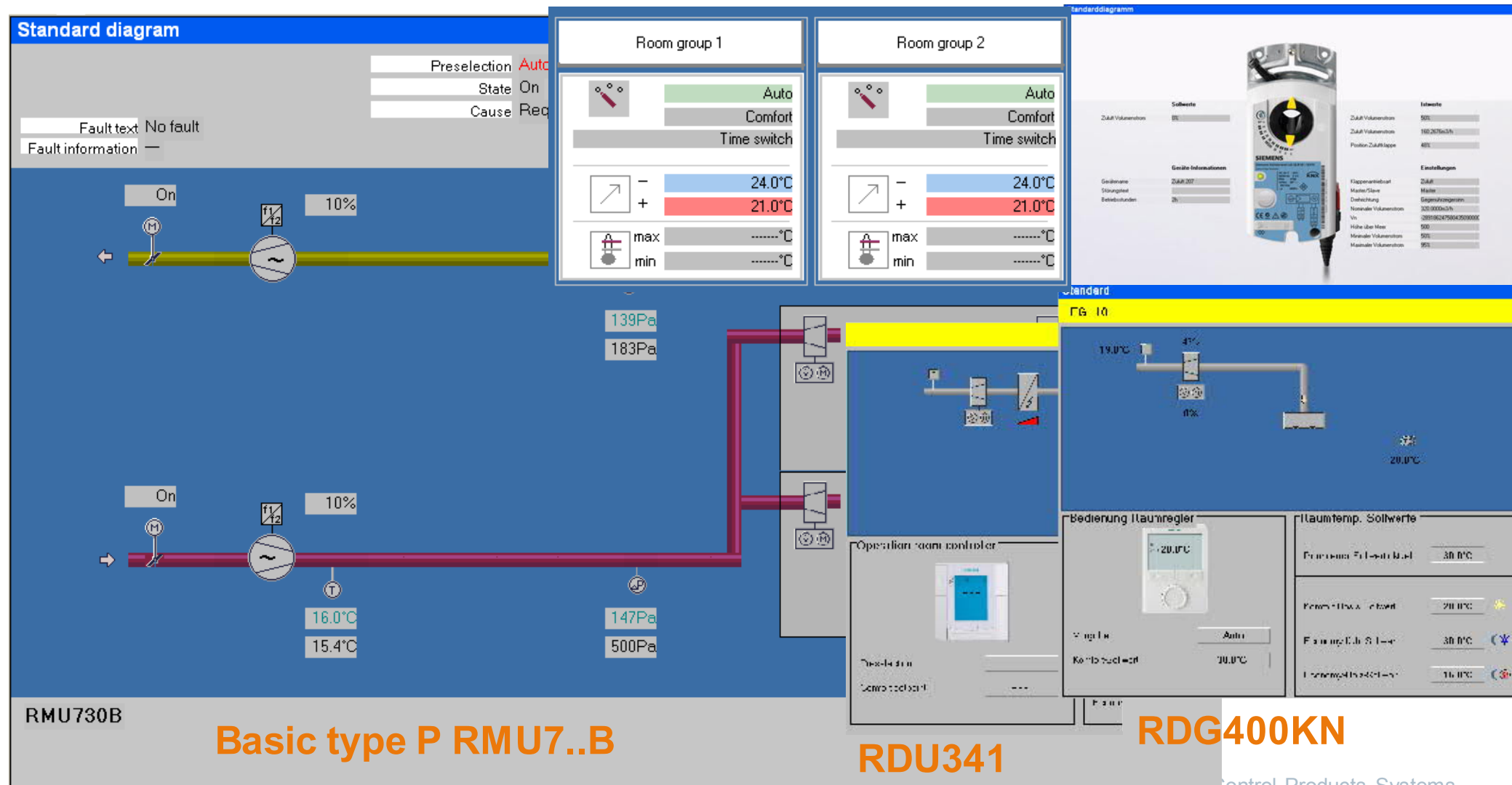
**Pilveteenus Synco IC on
tasuta esimesele 100-le
objektile (veebiserverit
ühele kliendile)**



ACS790 V10.20 Visualization of KNX system solution Plant operation & Plant engineering"

RMB795

G..B181.1E/KN



Overview Project OZW V6 V7 ja edasi



Key features

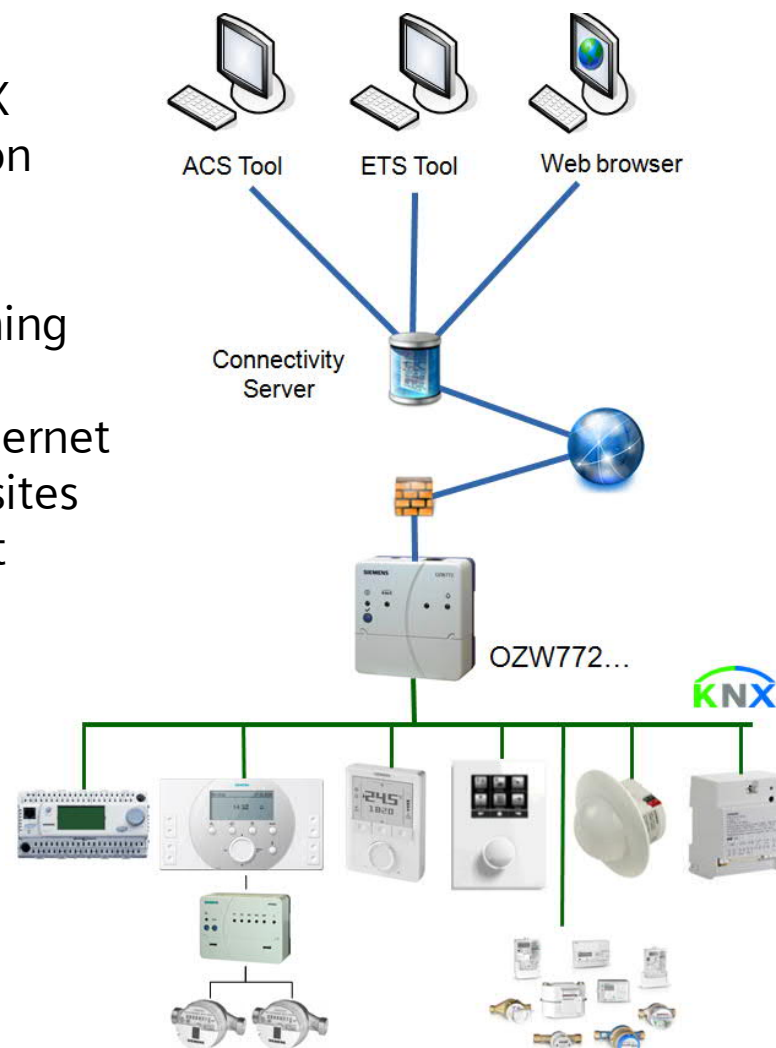
- Trend
- KNX S-Mode
- Connectivity Portal for
 - Web server Synco
 - Web server Sigmagyr, Albatros

USP's / Competitive Advantage

- Huge installed base with remote access need
- Enabling / improving remote services for Energy / Facility mgt companies and OEM

Benefits

- 1 Web server for KNX integrated application
- Meter integration via S-mode
- Reduces commissioning effort
- Wired and mobile internet
- Upgrade of existing sites with minimum effort



Data Trending



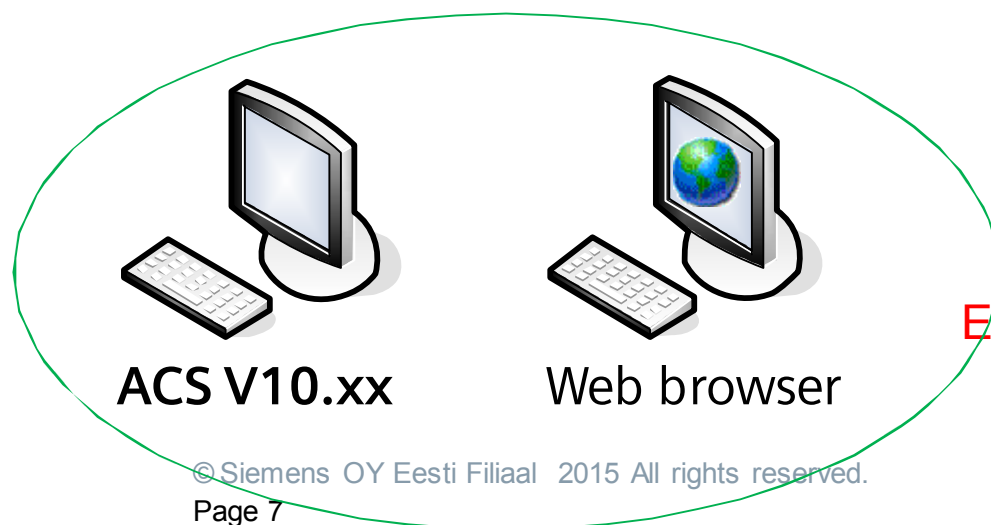
Trending in the web server and available with a *.csv file

Trend file

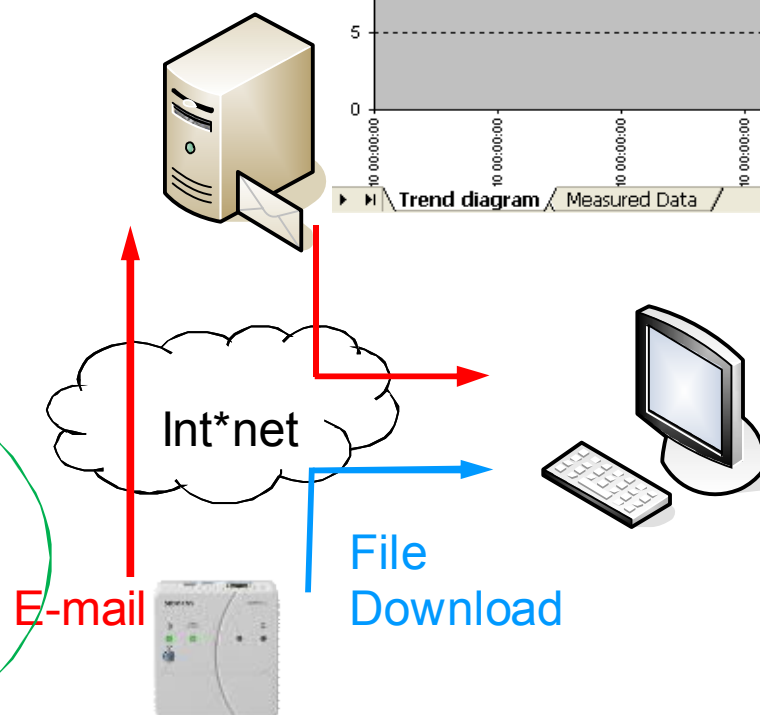
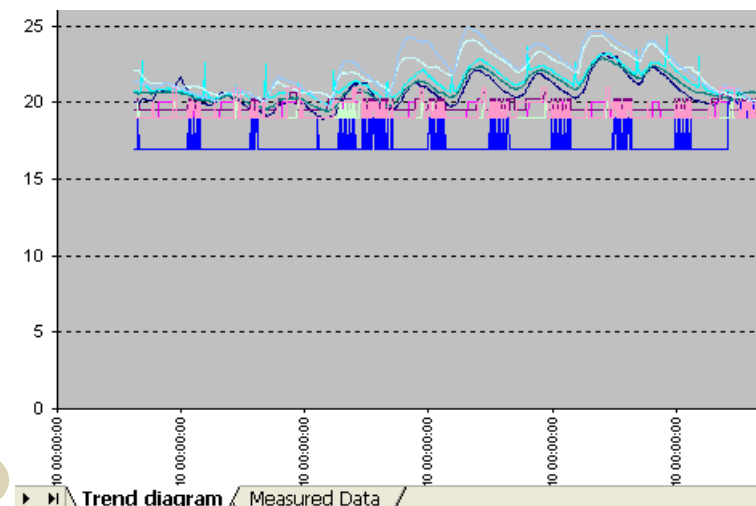
- Periodically sent via E-mail attachment
- Manual download via Web Browser

ACS and OZW trend definitions are compatible.

The trends can be edited in ACS or OZW.



Trend view and analyses with Excel



Trend Capacity



Trend channel 1 has 7 times more memory:

- for long-term trends or
- trends with a lot of data points or
- a short sample interval



Examples for various trend channels:

Interval	Data points	Circular Logging	
		Channel 1	Channel 2...5
1 sec	1	14 days	1.8 days
5 sec	5	30 days	4.3 days
1 min	10	210 days	30 days
15 min	100	371 days	53 days

User Interface Trend Overview



Start
Stop

Interval
1 sec ... 24 h

Data logging
1...730 days

Edit
Definition

Definition
Export

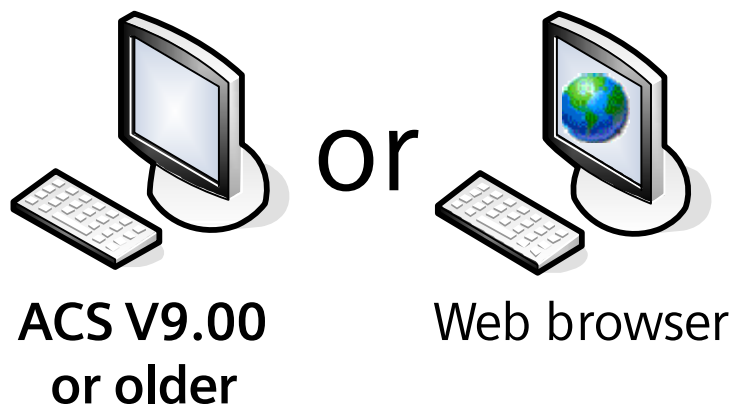
Name	State	Query interval	Circular logging	Bus load	Action
Speicher	Running	15m	730 Days	0 %	
Puffer	Running	5m	208 Days	2 %	
	NotValid	?	?	0 %	
Temperature	Finished	1m	132 Days	2 %	
	NotValid	?	?	0 %	
				2 %	Current bus load

File
Download

1 datapoint per second
is 100 % bus load

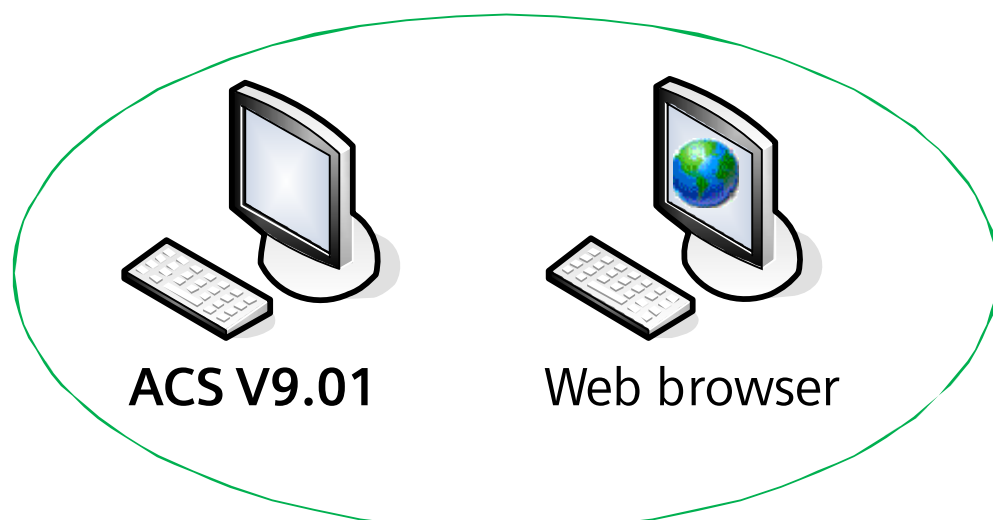
Definition
Import

ACS790 Compatibility



ACS and OZW trend definitions are sharing the 5 channels:

- ACS will always start from channel 1
- For OZW it is recommended to start with channel 5



ACS and OZW trend definitions are compatible.

The trends can be edited in ACS or OZW.

Infoks, näidislahendused (arvestage et kogu nomenklatuur ei ole kohustuslik) Üldine:

<http://www.buildingtechnologies.siemens.com/bt/global/en/buildingautomation-hvac/integrated-applications/Pages/integrated-applications.aspx>

SIEMENS

Koolide näidisapplikatsioonid: [Link](#)

KATALOOGID, APLIKATSIOONIDE KATALOOGID

→ HIT - HVAC Integrated Tool (for free after registration)

Beyond "Projects" you find a very useful planning tool to create HVAC documentation including connection diagrams and many more application and features.

TÄPSEMALT:

Seadmete ja lahenduste valiku programm HIT HINNAKIRJAGA 2014-AASTAKS:

<https://hit.sit.siemens.com/Hit%20tool.aspx?Temp=en&SC=Building>

(ei sisalda kahjuks kõiki koostalituleid)

Seadmete ja lahenduste valiku programm HIT TÄIELIKU TOOTEVALIKUGA:

<https://hit.sit.siemens.com/Hit%20tool.aspx?Temp=en&SC=HDEUS.WINX=12595.WINX=828>

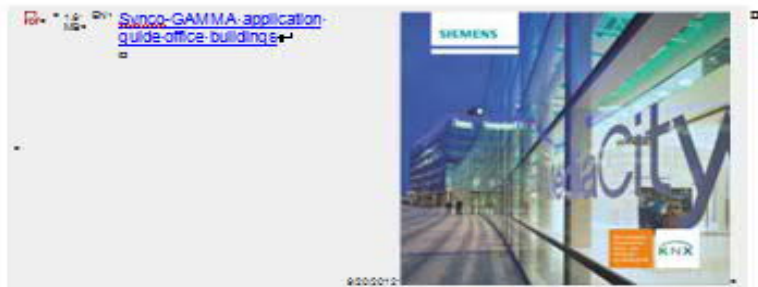
Technical product data and descriptions, GAMMA Product database:

http://www.hit.sit.siemens.com/ovv/data/gamma_product_data/datasearch_find_en.htm?x1=8W031

Kataloog teematu kujul: http://www.hit.sit.siemens.com/ovv/data/gamma_product_data/datasearch_find_en.htm?x1=8W031

→ 665 lehekülge, soovitaks siiski HIT interaktiivsed valikud realiseerida

APLIKATSIOONID, TEEMAD



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