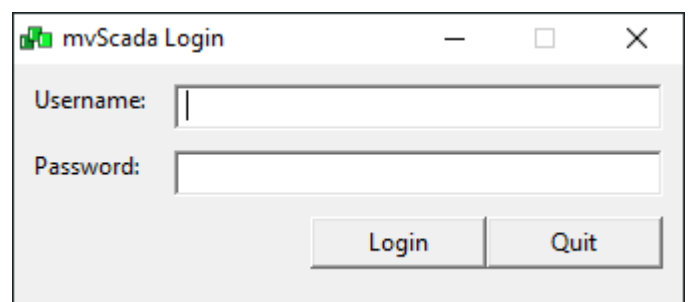


mV SCADA

Process Control Software for Heat Treatment

- Plant visualization, process documentation and alarm handling.
- Any number of furnaces and furnace lines can be connected.
- Based on modern open source database system.
- Consisting of server components for field communication, process control, system-control and connection to higher-level systems and operating software.
- Runs on MS Windows, Linux and Mac OS
- User management to activate functions
- according to the respective task, login with user name and password.
- Unlimited number of operator work-stations can be activated

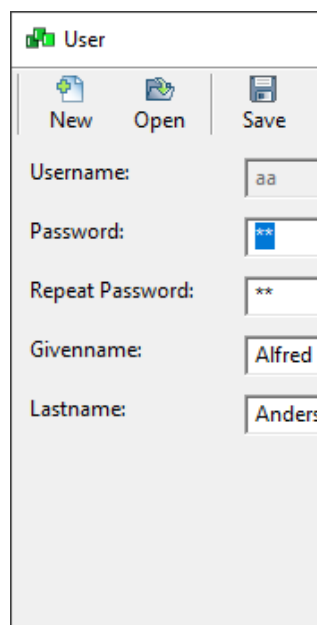


mvScada Login

Username:

Password:

Login Quit



User

New Open Save

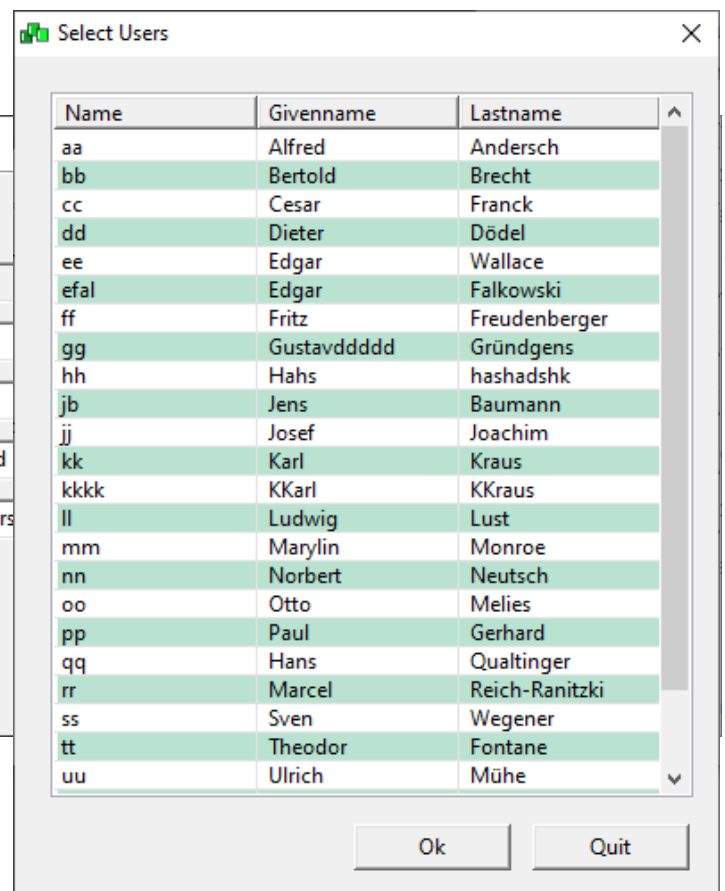
Username:

Password:

Repeat Password:

Givenname:

Lastname:



Select Users

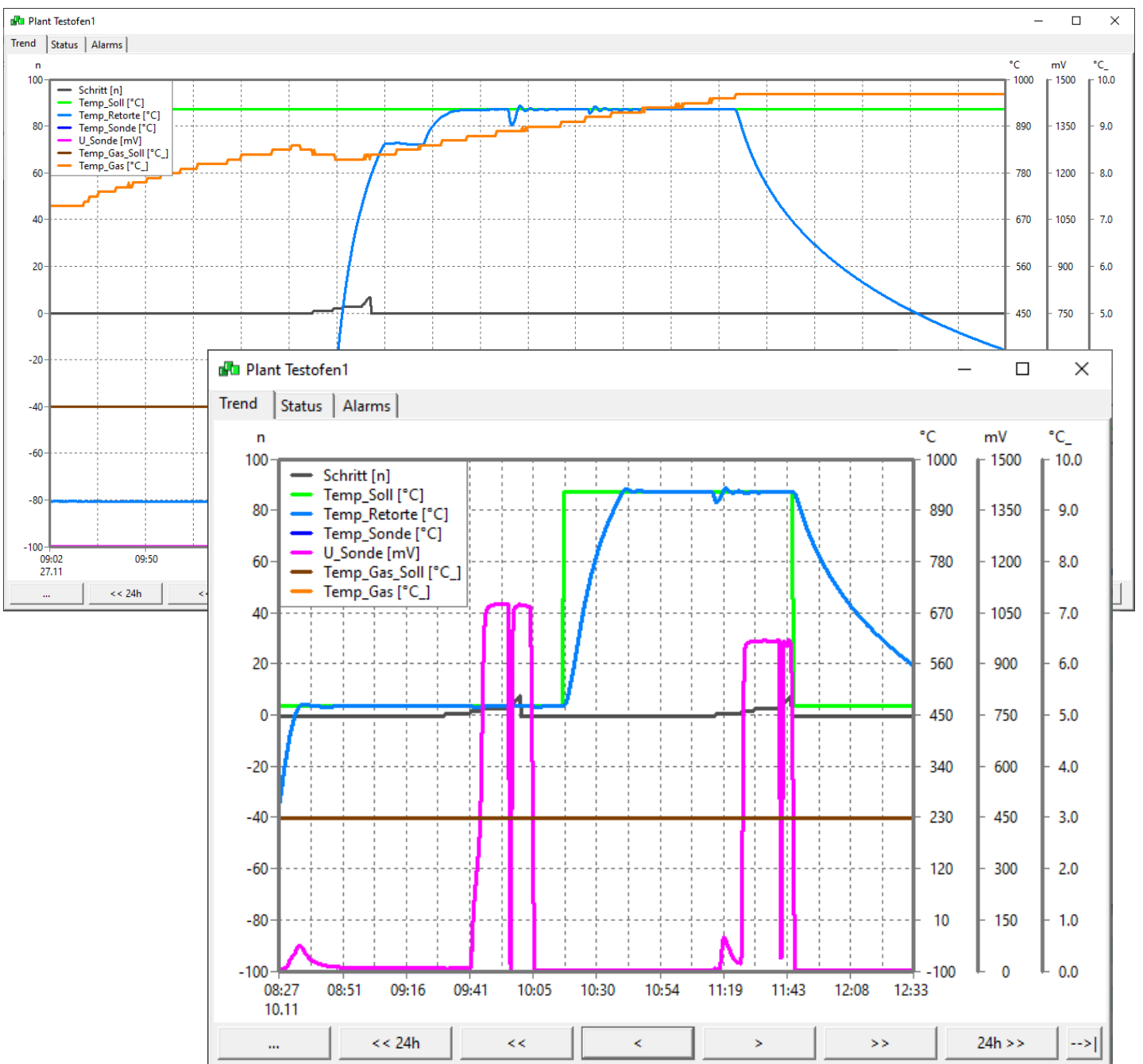
Name	Givenname	Lastname
aa	Alfred	Andersch
bb	Bertold	Brecht
cc	Cesar	Franck
dd	Dieter	Dödel
ee	Edgar	Wallace
efal	Edgar	Falkowski
ff	Fritz	Freudenberger
gg	Gustavdddd	Gründgens
hh	Hahs	hashadshk
jb	Jens	Baumann
jj	Josef	Joachim
kk	Karl	Kraus
kkkk	KKarl	KKraus
ll	Ludwig	Lust
mm	Marylin	Monroe
nn	Norbert	Neutsch
oo	Otto	Melies
pp	Paul	Gerhard
qq	Hans	Qualtinger
rr	Marcel	Reich-Ranitzki
ss	Sven	Wegener
tt	Theodor	Fontane
uu	Ulrich	Mühe

Ok Quit

- Simple user guidance through configurable main menu



- System-related recorder function for all variables to be recorded, such as temperatures, atmospheric parameters such as C level and nitrating potential, as well as media flow rates, pressures, etc.
- Recorder function with user-friendly navigation, zoom function and ruler function



- Batch-related recording of the process parameters
- Production log function with convenient search functions.
- Printout of heat treatment certificates.

Production Log
— □ ×

From: To:

Load ID	Start	End	Duration	Plant
386	2020-11-09 14:05:05	2020-11-09 14:34:05	00:29:00	2
387	2020-11-09 14:37:04	2020-11-09 15:06:04	00:29:00	2
388	2020-11-09 14:37:04	2020-11-09 15:06:03	00:28:59	1
389	2020-11-09 15:06:24	2020-11-09 15:35:23	00:28:59	1
390	2020-11-09 15:06:25	2020-11-09 15:35:23	00:28:58	2
			0:29:01	2
			0:29:00	1
			0:29:00	2
			0:29:00	1
			0:00:06	1
			0:00:06	2
			0:29:01	1
			0:29:00	2
			0:29:01	2
			0:29:01	1
			0:28:58	1
			0:28:58	2
			0:29:33	1
			0:26:11	1
			0:11:36	1
			0:05:03	1
			0:00:18	1
			0:31:11	1
			0:29:00	1

Waermebehandlungsnachweis

Seriennummer: SSK01 20/0029
 Start Prüfung: 2020-11-10 11:16:11
 Ende Prüfung: 2020-11-10 11:45:12
 Testofen: Testofen1

	Messwert	Status
Thermoelement		
Polarität prüfen		OK
Drahtbruch prüfen		OK
Abweichung Temperatur [K]	837.8	Fehler
Zirkonoxidelement		
Polarität prüfen		OK
Innenwiderstand [Ohm]	984	OK
Spannungsabfall Referenzluft AUS [mV nach [s]	19.7	OK
Abweichung Sondenspannung [mV]	3.4	OK

°C

1000

890

780

670

560

450

340

230

120

10

-100

10.11

mV

1500

1350

1200

1050

900

750

600

450

300

150

0

Protocol
Seite 1

- Batch content (part number, serial numbers, etc.) can also be documented.
- Convenient configuration of the entire system.

Equipment Definition

New Line New Copy Delete

Werkstatt

- Testofen1
 - Testofen
 - Schritt
 - Temp_Soll
 - Temp_Retorte
 - Temp_Sonde
 - U_Sonde
 - Temp_Gas_Soll
 - Temp_Gas
 - Temp_Zone1
 - Temp_Zone2
 - Temp_Zone3
 - Ofen2
 - Ofen2
 - Temp_Ofen

Edit Variable

ID: 11

Name: Temp_Ofen

Description:

Number: 1

Type: SP-PV-BAND

Meaning: no meaning

Recording PV: recording

Recording SP: no recording

Colour:

Control mode: OFF

Unit: °C

Format: 4 1

Min: 0

Max: 20

Min Visu.: 0

Max Visu.: 20

Terminal PV: Testofen Temp_Retorte

Terminal SP:

Terminal Band Alarm:

- Customized extensions are possible.
- Complete software development in Germany by experienced staff.

Other planned features:

- Programmer function / program editing function
- Program download function to Siemens S7 and other hardware
- Batch-related documentation of laboratory values
- Connection to higher-level systems such as ERP, AMS, etc.

