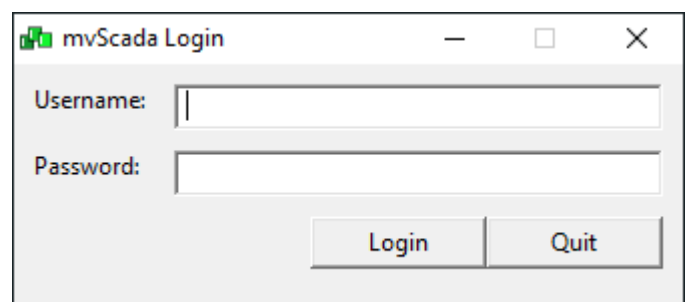# mV SCADA

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.

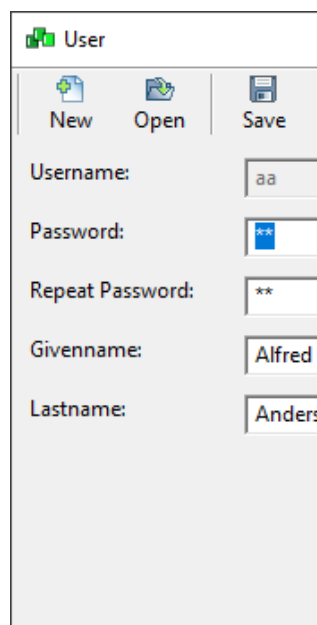- Unlimited number of operator work-stations can be activated
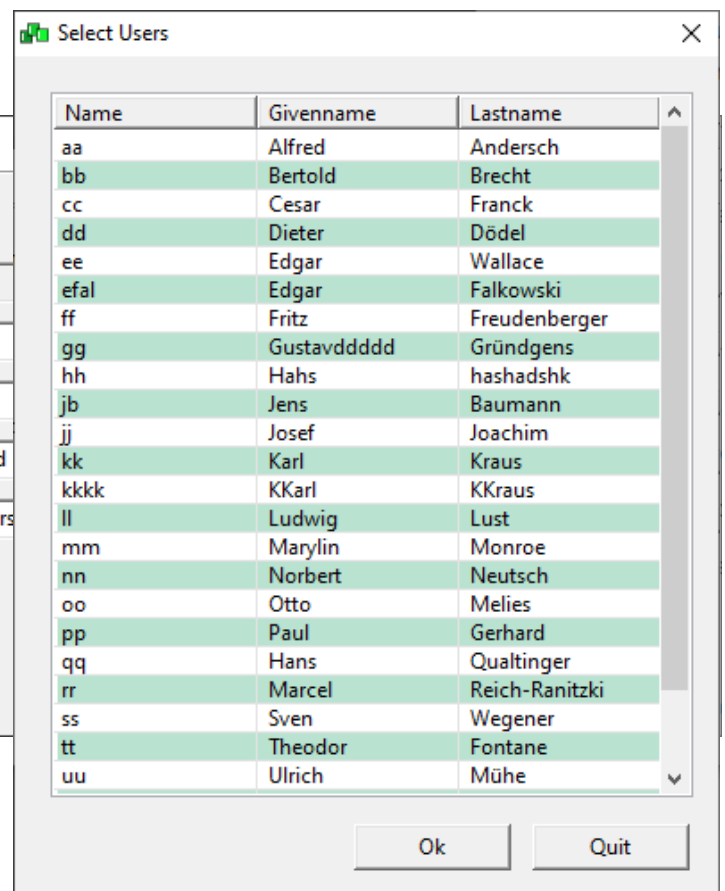
- Simple user guidance through configurable main menu

- System-related recorder function for all variables to be recorded, such as temperatures, atmospheric parameters such as C level and nitriding potential, as well as media flow rates, pressures, etc.

- Recorder function with user-friendly navigation, zoom function and ruler function
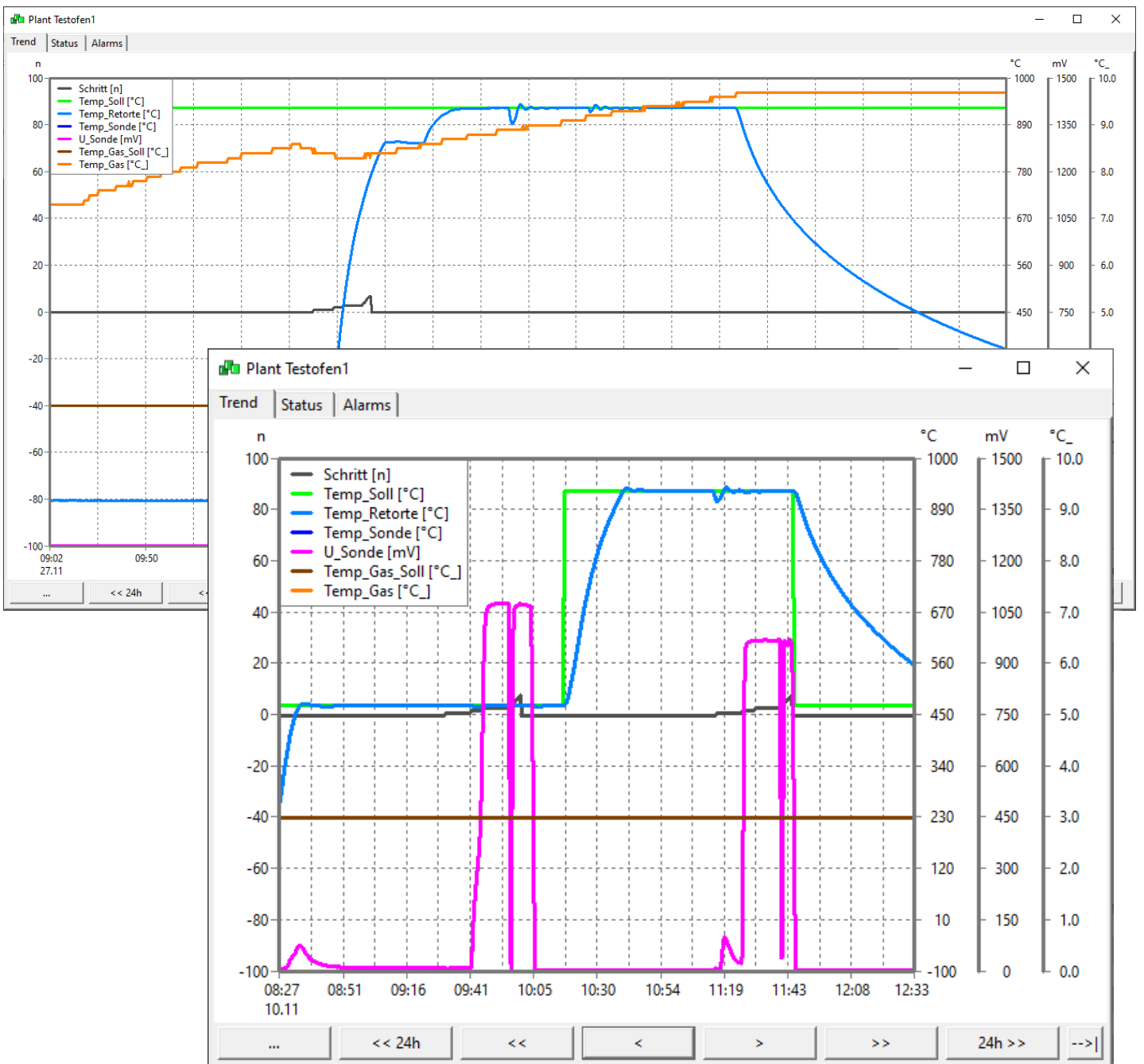
- Batch-related recording of the process parameters

- Production log function with convenient search functions.

- Printout of heat treatment certificates.

Production Log — □ ✕

From: 06.11.2020 ▾ To: 06.12.2020 ▾

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

mV *millivolt.de*

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

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	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]	19.7	OK
nach [s]	60	
Abweichung Sondenspannung [mV]	3.4	OK

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Protocol   Seite 1

- Batch content (part number, serial numbers, etc.) can also be documented.

- Convenient configuration of the entire system.

- Customized extensions are possible.

- Complete so ware development in Germany by experienced staff.

Other planned features:

- Programmer function / program editng 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.