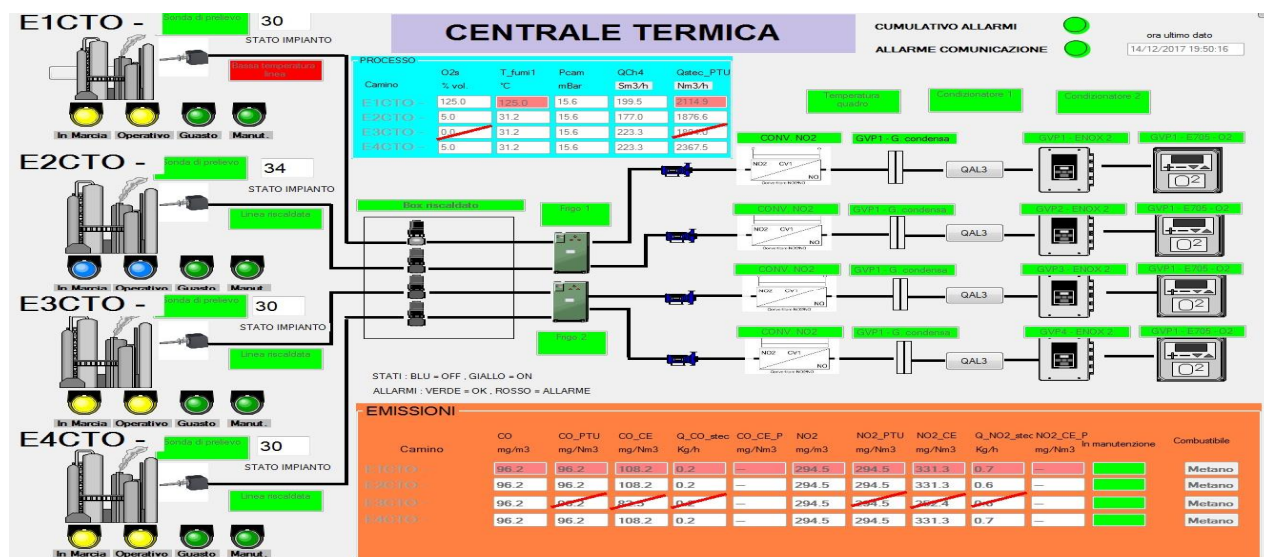


Acquisition and data handling system DAHS mod. FAS 18

FAS 18 software, connected to any emission measurement system, acquires, processes, calculates, rescales and presents the data in accordance with national and local provisions. It provides safe and immediate access to your emissions data. FAS 18 is based on the SCADA WINTR® system for the management of information stored on SQL databases and managed through proprietary processing functions. It has been fully designed and implemented in our interior with particular attention to reporting on the conformity of emissions..



Esempio di sinottico per quattro camini

The software is capable of acquiring information from any analog or digital I/O module via the Mod-bus (TCP) and Profinet protocols, also via OPC, MPI from Siemens S7-300 and S7-400 PLC, Omron and Panasonic devices

The software acquires, processes, calculates and presents the data received from the field in accordance with different regulations, in order to satisfy the requirements of the various entities in control:

- D. Lgs. 03.04.2006, No. 152, "Italian environmental standards" and S.M. I
- DDS 27.04.2010, N. 4343, "Specifications and data processing criteria"
- "Technical Reference document for the implementation of the continuous Emission monitoring system" issued by A.R.P.A. Piemonte
- EN14181-3 for QAL3 operations.

General description

Access to the different functions and configurations is controlled on the basis of three access levels: Administrator, Advanced and User with dedicated passwords.

The information acquired, with its validity, is engineered, normalized, corrected with QAL2 correlation function and stored for the averages calculation. Raw data are all stored in daily LOG files.

The instantaneous information is accessible both on a synoptic framework (values and states) that are customizable and on multiline real time graphs; All time based averages can be presented on fully configurable and printable reports.

The acquired values can be normalized to the reference parameters (oxygen, humidity, temperature, pressure, flow.....)

The SW can energize contacts and send SMS in case of malfunctions of the analysis system or in case of threshold overcoming settable on instantaneous and average hourly results.

The system is also equipped with a special function called "Provisional average" which allows, through a particular algorithm, to predict with high probability the overcoming of the emissions and to act timely remedy.

As option can be supplied the function to keep track of all the operations and accesses made by each user.

Report Media

CONFIGURA

STAMPA

Scelta tipo media

☐ Media 10 minuti

☒ Media orarie

☐ Media mensili

☐ Media 1/2 ora

☐ Media giornaliera

☐ Media annuali

Data inizio

martedì 28 novembre 2017

00:05:00

Data fine

mercoledì 29 novembre 2017

00:05:00

E1CTO - O2s
% vol.

E1CTO - CO_CE
mg/Nm3

E1CTO - NO2_CE
mg/Nm3

E2CTO - O2s
% vol.

E2CTO - CO_CE
mg/Nm3

E2CTO - NO2_CE
mg/Nm3

E3CTO - CO_CE
mg/Nm3

E3CTO - Q_NO2_stec
Kg/h

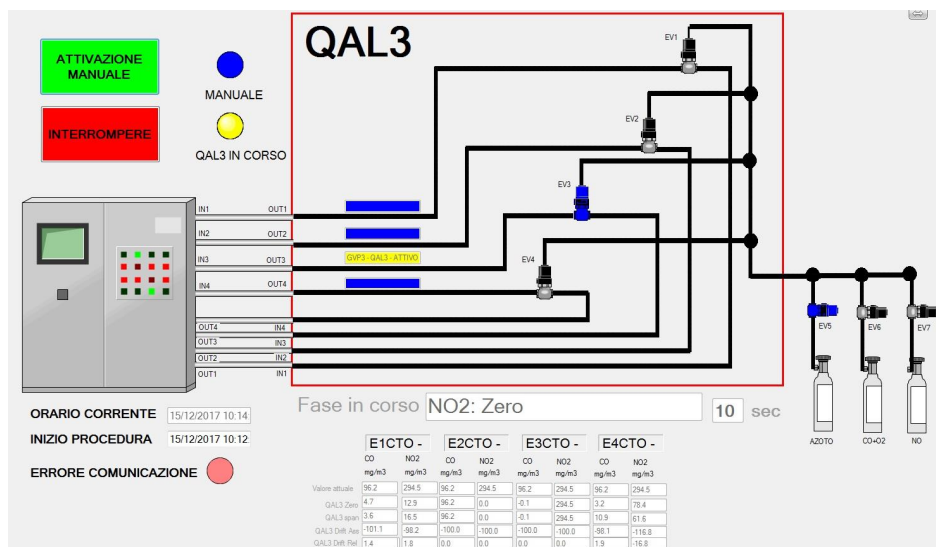
E4CTO - Q_CO_stec
Kg/h

	DateTime	Media	ID(?)	stat	Media	ID(?)	stat	Media	ID(?)	stat	Media	ID(?)	stat	Media	ID(?)	stat	Media	ID(?)	stat	Media	ID(?)	stat	Media	ID(?)	stat			
▶	28/11/2017 02:01:02.857	5	159.2	VO	183.8	104.6	VO	0	104.6	VO	5	159.2	VO	183.8	159.2	VO	562.3	159.2	VO	0	0	VNO	0	0	VNO	0	0	VNO
	28/11/2017 03:01:02.753	5	99.8	VO	0	0	NV	0	0	NV	5	99.8	VO	183.8	99.8	VO	562.3	99.8	VO	0	0	VNO	0	0	VNO	0	0	VNO
	28/11/2017 04:01:01.607	5	99.8	VO	0	0	NV	0	0	NV	5	99.8	VO	183.8	99.8	VO	562.3	99.8	VO	0	0	VNO	0	0	VNO	0	0	VNO
	28/11/2017 05:01:01.487	5	99.7	VO	0	0	NV	0	0	NV	5	99.7	VO	183.8	99.7	VO	562.3	99.7	VO	0	0	VNO	0	0	VNO	0	0	VNO
	28/11/2017 06:01:01.353	5	99.8	VO	0	0	NV	0	0	NV	5	99.8	VO	183.8	99.8	VO	562.3	99.8	VO	0	0	VNO	0	0	VNO	0	0	VNO
	28/11/2017 07:01:01.877	5	99.7	VO	0	0	NV	0	0	NV	5	99.7	VO	183.8	99.7	VO	562.3	99.7	VO	0	0	VNO	0	0	VNO	0	0	VNO
	28/11/2017 08:01:02.650	5	99.6	VO	0	0	NV	0	0	NV	5	99.6	VO	183.8	99.6	VO	562.3	99.6	VO	0	0	VNO	0	0	VNO	0	0	VNO

Esempio di report

QAL3 (En 14181-3)

FAS 18 can handle in a completely automatic way, even remotely, the QAL3 function that compares the performance of the analysis system over time and can verify the possible drift. Specific Hardware and sample gas cylinders are required and can be supplied by Fer Strumenti.



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