DATA SHEET
TMI-Orion

Qlever Software

Ceramics

Tiles
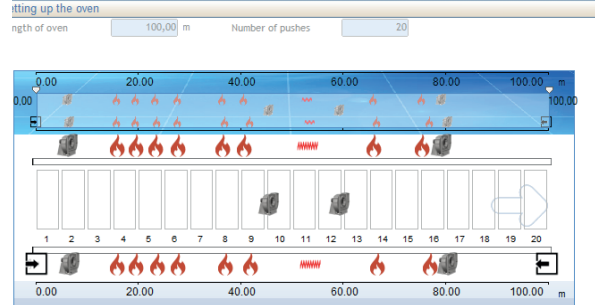
Bricks

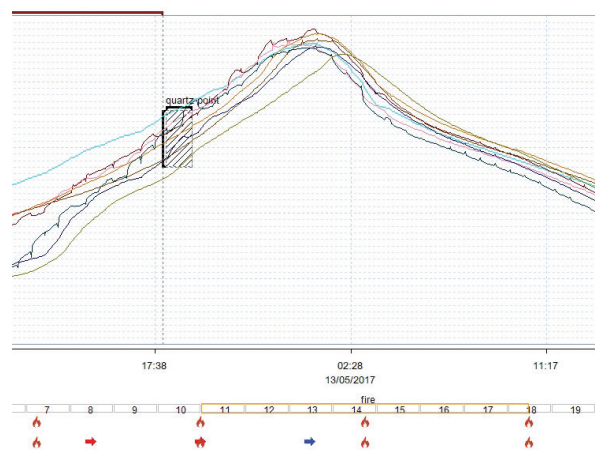**Specialized reports for the ceramic, tile, and brick industries.**

Qlever software

Qlever is a secure software solution used with TMI-Orion data loggers (wired, radio and FullRadio) to:

- Set up, start and read the data loggers,
- Receive the real time data during the thermal process,
- Collect and read the measured data,
- Calculate and edit specific measurement reports.

Ceramics module

- Creation of kiln configuration library with thermocouple and firing elements positioning,
- Kiln temperature profile with corresponding data logger position inside the kiln,
- Temperature report including kiln profile, load mapping and data analysis,
- Load 3D mapping with thermocouple positioning,
- Pushes and incidents management.

QLEVER SOFTWARE - CERAMICS MODULE

Qlever is the general platform of our software offering. It operates alone or in combination with one or several industry specific software modules.

CERAMICS MODULE

For thermal profile mapping in various points of a cart load during the entire industrial curing cycle.

• Kiln description

Kiln length and number, length and duration of pushes.

• Load description

Type and quantity of products, load set up, thermocouple management.

Positioning and 3D visualization of thermocouple probes location.

• Kiln configuration

Position of burners, probes, fans, etc. inside the kiln and relative scheme with distances.

• Pushes and events management

Cart thermocouple probes temperature visualization according to cart position in the kiln, pushes and incidents management.
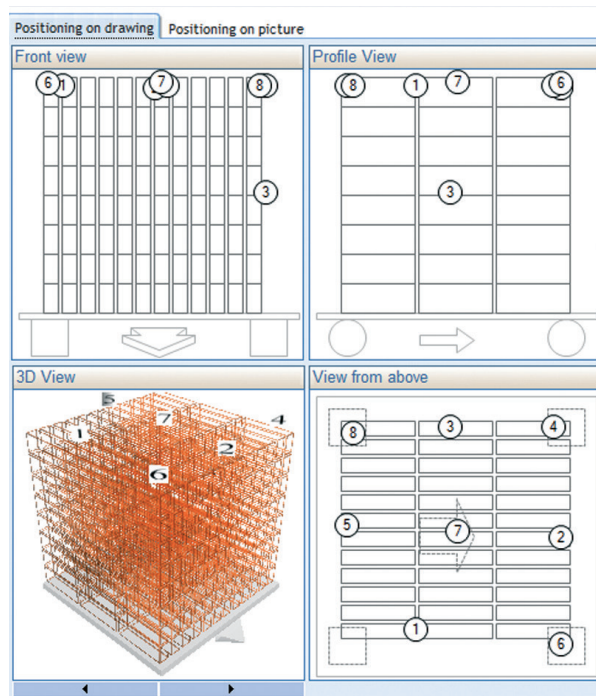
• Temperature mapping

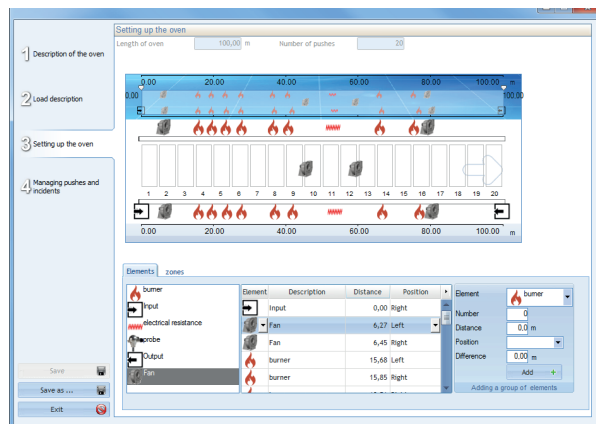Display of the hot and cold spot in the load throughout all the processes in the kiln.

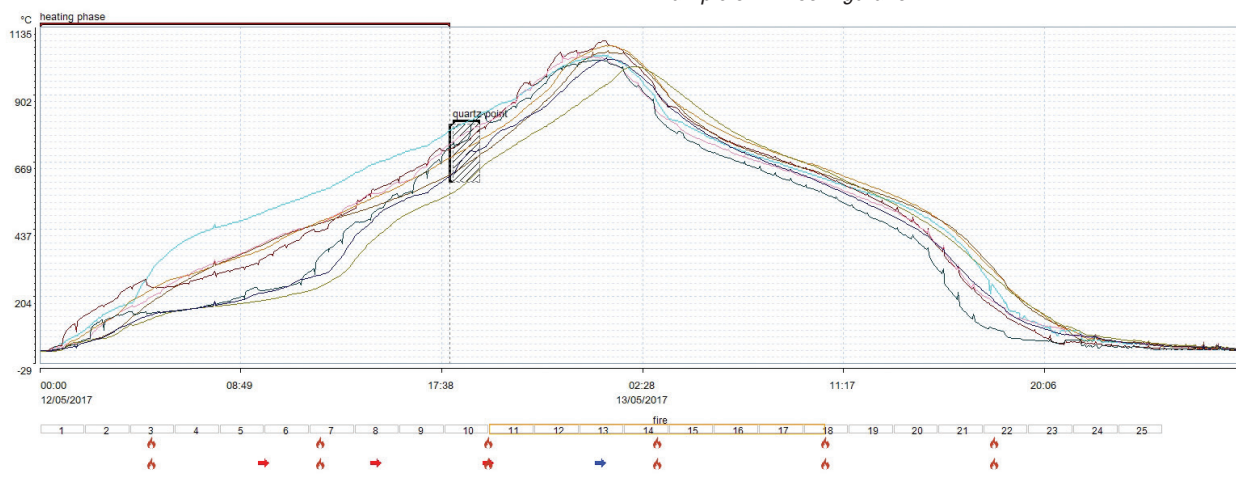A color scale displays an easy-to-read thermal distribution.

• Report

Data presentation in an extensive measurement report.

Example of load description

Example of kiln configuration

Example of curing thermal profile

KEY POINTS - CERAMICS MODULE

- Creation of kiln configuration library with thermocouple and firing elements positioning,

- Kiln temperature profile with corresponding data logger position inside the kiln,

- Temperature report including kiln profile, load mapping and data analysis,

- Load 3D mapping with thermocouple positioning,

- Pushes and incidents management.

FUNCTIONS

Data collection and treatment

- Collection and logging of measured data,
- Up to 30 encrypted databases, locally or on the server,
- Collection and real time visualization of data with radio or FullRadio data loggers,
- Calculations: time at temperature, slopes calculations at any point (Quartz inversion slopes),
- Creation of calculation libraries, automatic calculations upon reading data,
- Possibility of raw data export to a spreadsheet.

Data analysis and viewing

- Data and statistics analysis: minimum, maximum, average, max range, time above, time under, ramp time, slope calculation, etc.,
- Measurement report editing.

TECHNICAL SPECIFICATIONS

- Multilingual environment,
- Data files in TMI-Orion proprietary format,
- The database is encrypted and cannot be modified,
- Database administration services (user account and access management, restore and save, reindex...),
- Single station or multiple stations database use (user data sharing),

- Keyword search engine,
- Secured data file import or export,
- Multiple station Qlever licence,
- Compliant with Windows® 7/8/10/11,
- Minimum requirement for software installation:
- RAM: 8 GB
- Disk space: 200 MB (Not including data measured by the loggers).

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