Quick Reference Guide LQS App

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App Version

LQS 1.1.20.0

About this document

This brief guide describes the most important steps for the following topics:

• Setup the working mode of the app
• Register the Administrator as the first user
• Registering the Company
• Registering the machine
• Registering additional users

Setting up the App

Setting up the LQS app involves the following steps:

• Setting up the working mode of the LQS app
• Set up working mode of the Cloud
  - Registering the administrator as the first user
  - Registering the Company

Setting up the Working Mode

Set working mode

When you start the LQS app, the startup screen appears. Here you have to define the working mode:
• Cloud:
  Select this setting if you want to make the data available to employees within the company or if you want to access this data from other workstations via the cloud service.
• Local:
  Select this setting if you want to have the data only on this workstation (mobile terminal, PC, tablet etc.).

> **Important:**
> A later transfer of local data to the cloud is not possible.

• Option „Remember Selection": When you click this option, the settings of the working mode are saved. The start screen no longer appears the next time you start up.
• Click to "Next".

Change working mode

Once you have selected the working mode, you can change it:
• Click on the menu "SETTINGS".
• Choose the option "Show start screen enabled".
• Restart the App.
• On the start screen, change the work mode and click "Next".

Setting up working mode *Cloud*

The very first registration process for the cloud includes the following two steps:
• Registering the first user.
  The first user is also the administrator. As an administrator, you can register and manage additional users and machines.
• Register the Company.
  The registration of the company is a one-time process.

Register as first user

• Read and confirm the displayed **End user license agreement**.
• If you already have a user account for Microsoft, Google+ or Facebook and want to use this account for the app, log in with this user account.
• If you want to create a new user account, choose "Sign up now".
  In the window that appears, you must enter the following information:
  - "Email Address": Please enter a valid email address.
    You will receive a confirmation mail to this e-mail address.
  - Click on "Send verification code".
    Check the mailbox of the specified mail address. The mail contains a code.
  - Enter the code in the input field and finish the process with "Verify Code".
  - "New Password": Assign your password.
  - "Confirm New Password": Enter the chosen password again.
  - "Given Name": Enter your first name here.
  - "Surname": Enter your last name here.
  - "Display Name": Enter the first and last name.
  - Click on "Create" to finish complete the process.

Register the Company

• Enter the company name, street, city, zip code and country. Click OK to finish the process.

The first steps of setting up the app are now completed.

Working mode *Cloud*

If you work with the cloud, you can manage the company, machines, users, and construction projects under your User Account. Only users with administrative rights can manage all headings.

Management of Company, Machines, Users and Construction projects

• Click on the menu with the User Name (Your Name).
  A submenu with the entries "Company", "Machines", "User administration", "Construction projects" and "Sign out" appears.

Company:
As an administrator you can manage the company data.

• Click on "Company". The displayed window contains the company data, which you can now adjust accordingly.

Machines:
As an administrator, you can manage the machines.

Assign your own machine inventory number:
• Click on "Machines". In the window that appears, select the machine, and enter your machine inventory number in the Inventory number field.
• Click "Save" to complete the process.

Remove the machine from the registration:
• Click on "Machines". Select the Machine and click Delete. Confirm the selection.
  Note:
  The data from this machine in the app is not deleted. The machine no longer appears under "MY MACHINES".

User administration:
As an administrator, you can register other employees as a user within your company. Create a user account for each employee.

• Click on "User Administration".
• Click "Add User".
• Fill in the details for the first given name, surname (last name) and email. Please enter a valid email address.
  Option „Administrator": Select this option if the new user is to have administrator rights. You can also assign existing users this right later.
• Finish the process with Save.

The employee must do the following:
• An invitation mail will be sent to the given email address.
  The invited user must select the link contained in the mail. This link leads to the registration page.

- On the registration page, proceed as follows:
  - If the user has received the invitation mail on his Microsoft, Google+ or Facebook account, he clicks on the corresponding account icon and logs in there.
    This action finishes the registration process for the new user.
  - In all other cases, the user selects "Sign up now" and performs the registration.
    The following information must be entered in the window that appears:
    - "Email Address": Enter the email address to which you received the confirmation mail.
    - Click "Send verification code". Check the email mailbox of the specified mail address.
    - Enter the code in the e-mail you received, and finish the process with "Verify Code".
    - "New Password": Assign your password.
    - "Confirm New Password": Enter the chosen password again.
    - "Given Name": Enter your first name here.
    - "Surname": Enter your last name here.
    - "Display Name": Enter the first and last name.
    - Click on "Create" to finish complete the process.

Remove User:

As an administrator, you can remove users from the registration.

- Click on "User Administration".
- Click on the user name you want to remove from the registration.
- Click "Delete" to complete the process.

Construction project:

Each user can manage construction projects.

- Click on "Construction project".
- In the window that appears, you can enter the following information:
  - Description: Indicates the name or the description of the construction project.
  - Street, City, ZIP, Country: The details of the address of the construction project.
  - Option „Active": By default, the option is selected.
    If you no longer want the evaluated data to be displayed in the list of construction projects, don't select "Active".
- Click on „Save", to finish the process.

Sign out:

You must log out if another employee wants to work with the app under his user account.

Change Password

As an administrator, you can change another user's password.
- Enter the new password.
- Confirm this password.
- Click OK to close the process.

Change User

Perform the following steps to Change User:
- Click the user name menu.
- Click "Sign out".
- The start screen appears. As a working mode, "Cloud" is already selected. Continue with "Next".
- Log in with your username and password.

Working mode *Local*

If you have selected Working mode Local, you do not have to log on as a user.

The following functions are available:
• Register machines.
• Synchronize data files from the machine and restore the archive from the machine.
• Welding raw data analysis and editing.

> **Important:**
> Your data is in this working mode used exclusively on your workstation.
> Regularly backup your workstation.

> **Important:**
> A later transfer of local data to the cloud is not possible.

Register Machine

You must register your machine with the app so that you can transfer and evaluate data.

• Click in the menu "UNITS" on "SEARCH MACHINES".
• After a short time the machine is listed under "NOT REGISTERED MACHINES".
• Click on the name of the machine and select "Register Machine".
• A code is displayed on the display of the machine. Enter this code number in the displayed window of the app and confirm with "Register Machine".
• The machine will now appear under "MY MACHINES".

You can perform the following actions with the registered machine:

Synchronize data files from the Machine

• Click on "MY MACHINES" and choose the machine. The corresponding name must appear in green.
• Select "SYNCHRONIZE DATAFILES".

Restore Archive from the Machine

• Click "MY MACHINES" and choose the machine. The corresponding name must appear in green.
• Select "RESTORE ARCHIVE ".
• In the dialog window, select the archive folder from which you want to restore the data.
  Press "RESTORE ARCHIVE" to complete the process.

Welding Raw data evaluation

Before starting the Data analysis, set up the report under "LQS App Settings":
• Follow the steps in the "PDF Report Settings" section of the LQS App under the "Settings" section.

Analyze raw data:
• On the "WELDING DATA" menu, click "ANALYZE DATA".
• On the machine list, click on the machine from which you want to evaluate the raw data.
  On the right, you will find all the raw data files listed. They are sorted by date and time; the newest file is at the top. Raw data files that have not yet been analyzed are in bold type.
• Optionally, you can mark the raw data file as "Test weld" or "Failed weld".
• Optionally you can hide the files marked as "Test weld" or "Failed weld".
  To do this, select "Hide test weld" and / or "Hide failed weld" in the upper right corner.
• Click on the name of the raw data file and continue with "ANALYZE".
• Now you are guided through the evaluation steps.
  Below the menu bar you can see which step you are currently executing.

  Protocol
  Fill out all the information necessary to create the protocol.

  Graph
  The course of the recorded variables such as temperature, speed and joining force is shown over the length of the welding seam. You can zoom in the chart. See section "Navigation in the graphics".

  Note:
  In the "Settings" menu you have to select "Add graph to PDF report" in the "Graphics" section, if you want the diagrams to be included in the report.

  Table
  The recorded values are displayed in table format.
  Values in red indicate situations where the set limits have been exceeded.
  Select the "Short report" option if you only want to see and document the values at which the set limit values have been exceeded.

  - With "ADD SEAM", you can add up to three additional welding seams from the same day to the log.
  - Use "SAVE" to save the evaluation and close it.

Navigation in the Graphics

Zoom:
• If you hold the mouse pointer on the diagram and rotate the scroll wheel, you can zoom in or out of the graph. Both axes are simultaneously zoomed.
• If you only want zoom the horizontal axis of a diagram, hold the mouse pointer on the distance scale and rotate the scroll wheel.
• If you only want zoom the vertical axis of a diagram, hold the mouse pointer to the corresponding vertical scale and rotate the scroll wheel.
• Click "Zoom to fit" to restore all the diagrams completely.

Detailed view:
• If you select an area in a diagram, this section is displayed as a detail view on the left.
• If you want to delete a detailed view, select the view, and then click on the trash can icon.

  Note:
  In the "Settings" menu you have to select "Add graph to PDF report" in the "Graphics" section, if you want the diagrams to be included in the report.

Edit Welding Data

- On the "WELDING DATA" menu, click "EDIT".
- Select the construction project from the list.
- On the right, all the evaluated files are listed. They are sorted by date and log number.
- Click on the log number and continue with "ANALYZE".
- Now you are guided through the Editing steps. For details, see the section "Welding Raw data evaluation".

LQS App Settings

PDF Report Settings

Before starting with editing of the data, setup the requirements for the PDF report.

Add Company Logo:
You can add a company logo, which is included in the header of the report. For an optimal representation of the logo, the logo graphic should have a ratio of 10: 1.

- Select "Add". In the dialog box that appears, select the graphic for the logo.

Remove Company Logo:
You can remove an added logo again.

- Choose „Remove".

Report Title:
You must set the title for the report.

- Select the title for the report.

Graphics:
- If you want the graphics to be included in the report, select this option.

CSV Export Settings
If you synchronize the data files from the machine to the workstation, you can create a CSV file from each of these files.

- Select this option if you want to create a CSV file from the raw data file.
- If no path has been defined yet, a dialog box appears where you must specify the path in which the CSV files are written.
- Click "Change Path" if you want to export the CSV files to a different path.

Note:
Select this option **before** synchronizing the data files from the machine.

Start screen for Working mode
If you start the app and want to show the starting screen then choose the option "Show start screen enabled".

Language Selection
This option allows you to change the language of the app. By default the language for the app is set according to the operating system of the workstation.

- To change the language for the app, choose a language from the list.
- Restart the LQS app.