Manual PlasmionNet

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1. Welcome

This guide provides all the necessary information for installing, configuring and using the PlasmionNet application.

First the installation wizard is explained. Afterwards the configuration wizard will be covered. Followed by the explanation to the usage of the application itself.

This manual includes explanations for both **user types** of our application. As "**Operator**" user you can skip the chapter *Settings*, *Application Management* and *User Management*.

At the end of the document, you will find a section on common errors and troubleshooting.

If you still have any questions or encounter issues, feel free to contact your designated Plasmion representative or use the general contact options.

2. Getting Started

In this chapter the required steps are listed and explained, which must be fulfilled before you start the matching process. There are 3 main processes which are listed below.

2.1. Installation

Before starting the installation process for PlasmionNet, ensure that you meet the following requirements:

- You have the installer, either downloaded from the Plasmion website or received from your designated Plasmion contact.
- You have access to the computer where the program will be installed.
- The user on the computer has the necessary permissions to read and write files.

Optional:

If you are using a computer other than the one provided by Plasmion, ensure that it meets Plasmion's system requirements (see *Computer Requirements*).

2.2. Configuration

Before starting the configuration process for PlasmionNet, ensure that you meet the following requirements:

- You have successfully installed the PlasmionNet application.
- You have access to the directory where your files shall be stored.
- You have set up the Operating system (see Configuration of the Computer)

Optional:

If you have already acquired a license file, please have your license file ready for this computer.

2.3. Starting / Using

Before starting the PlasmionNet application, ensure that you meet the following requirements:

- You have successfully installed the PlasmionNet application.
- You have configured the application.
- You have installed the license file for the application.

Note:

If at least one item on the list is missing, please refer to the specialized manuals for installation and configuration. They will guide you through the process.

3. Installation

The following pages show all user interfaces you will encounter during the installation process. After each visualization, you will find a brief summary of that step, along with explanations of the buttons on the screen if necessary.

3.1. Welcome Page

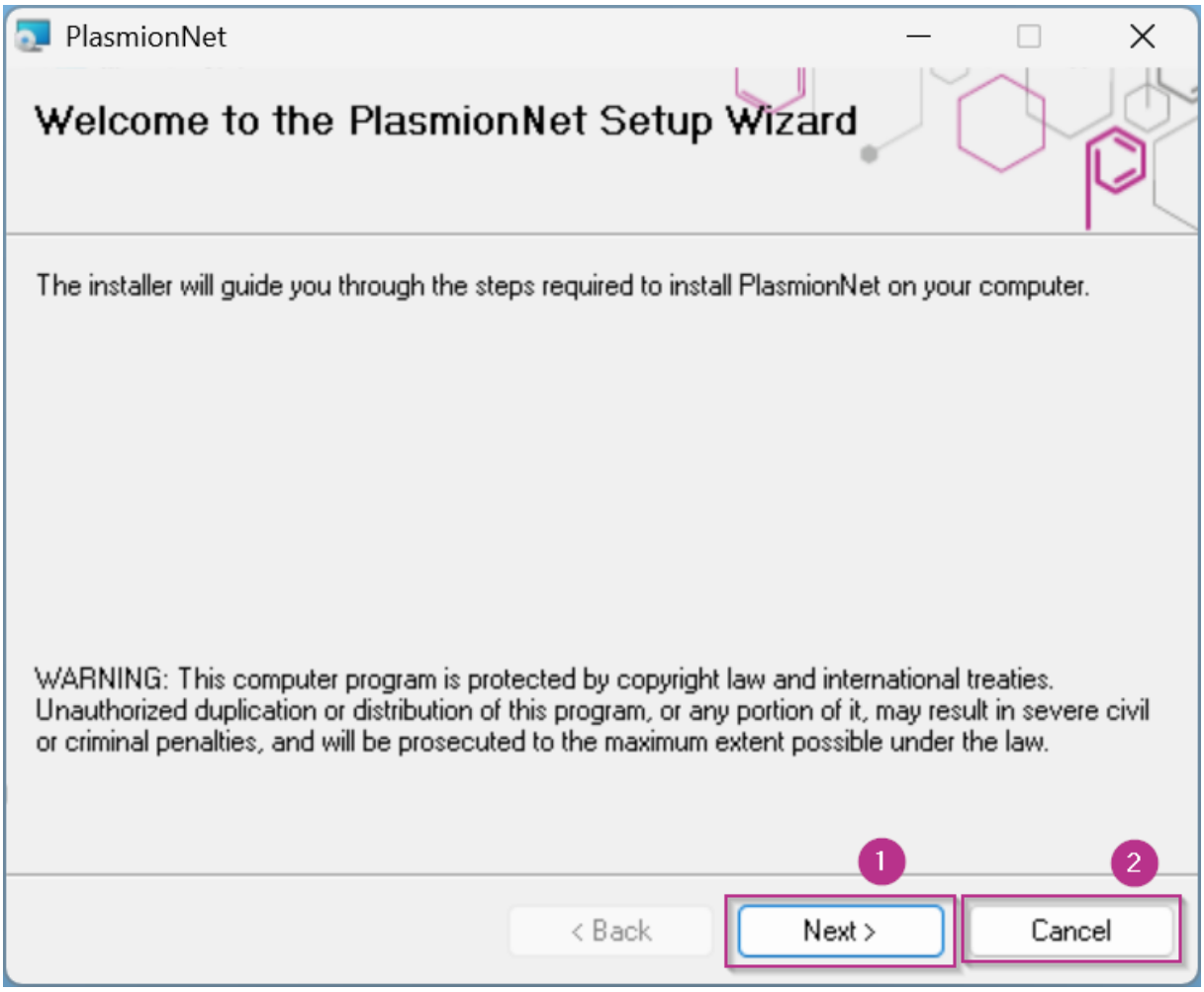

Figure 1 - Welcome Page

The Welcome page provides a brief overview of the actions performed during the execution of these wizards.

In the upper right corner, you will find the **"Cancel"** button (marked as **Number 2**), which allows you to start the abort process. (For more details, see *Cancel / Abort.*)

The **"Next"** button (marked as **Number 1**) can be pressed once you have reviewed the information or completed your input. This will navigate you to the next page of the wizard.

3.2. Installation Folder

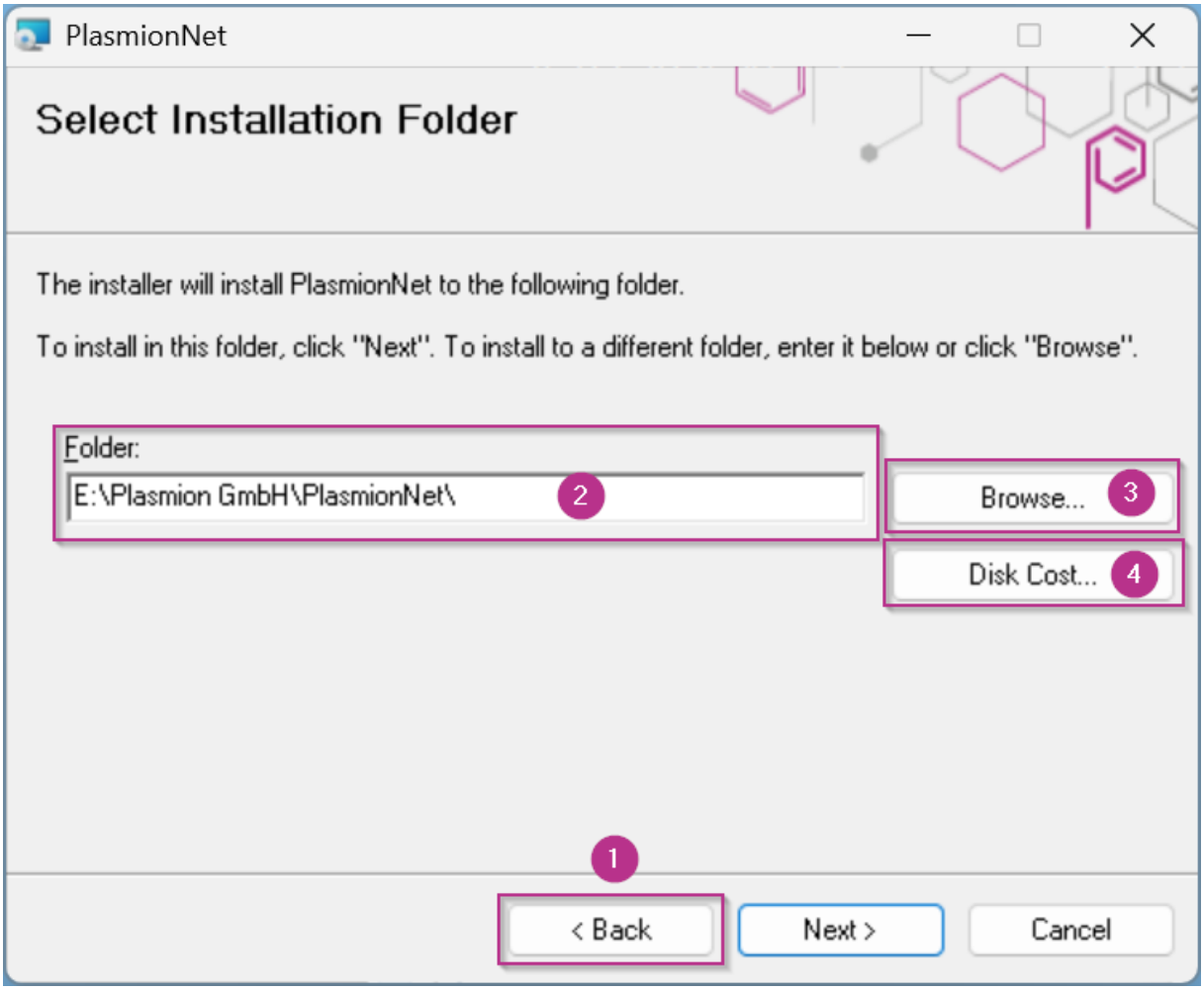

Figure 2 - Installation Folder & Location

This page provides all the necessary functions to select the installation location for the application.

You have multiple options to enter the target directory where the application will be installed:

- If you are an expert, you can manually enter the path in the text field (marked as **Number 2**).
- However, the recommended option is to use the **"Browse"** button (marked as **Number 3**), which opens a folder browser dialog (see *Figure 3 - Folder Browser Dialog*). This allows you to navigate through your file system and select the desired directory.

We recommend installing the application on a physical hard drive of your computer to avoid potential errors caused by disconnected or external drives.

The **"Disk Cost"** button (marked as **Number 4**) opens an overview (see *Figure 4 - Free Disk Space*), displaying information about your installed drives and available disk space.

Use the **"Back"** button (marked as **Number 1**) to navigate to the previous page of the wizard. Otherwise, click **"Next"** if you are satisfied with the current settings.

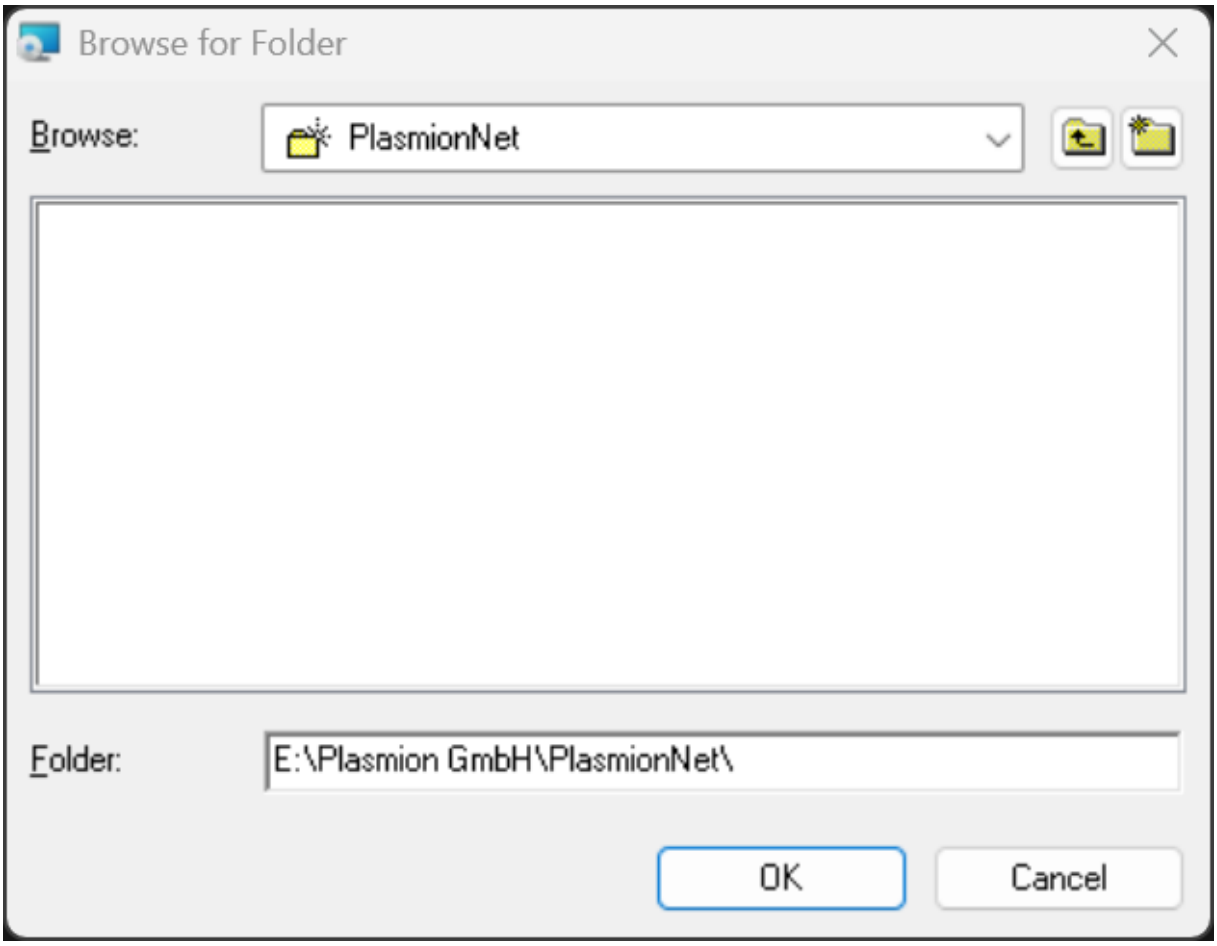

Figure 3 - Folder Browser Dialog

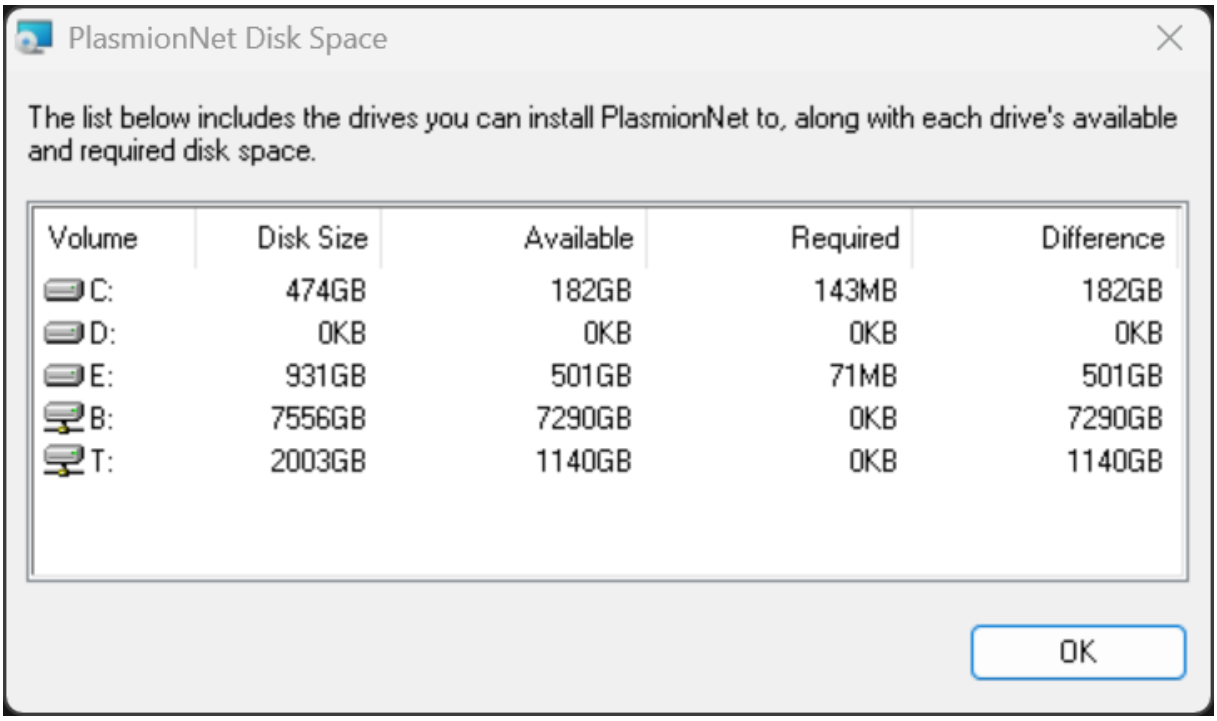

Figure 4 - Free Disk Space

3.3. Confirmation

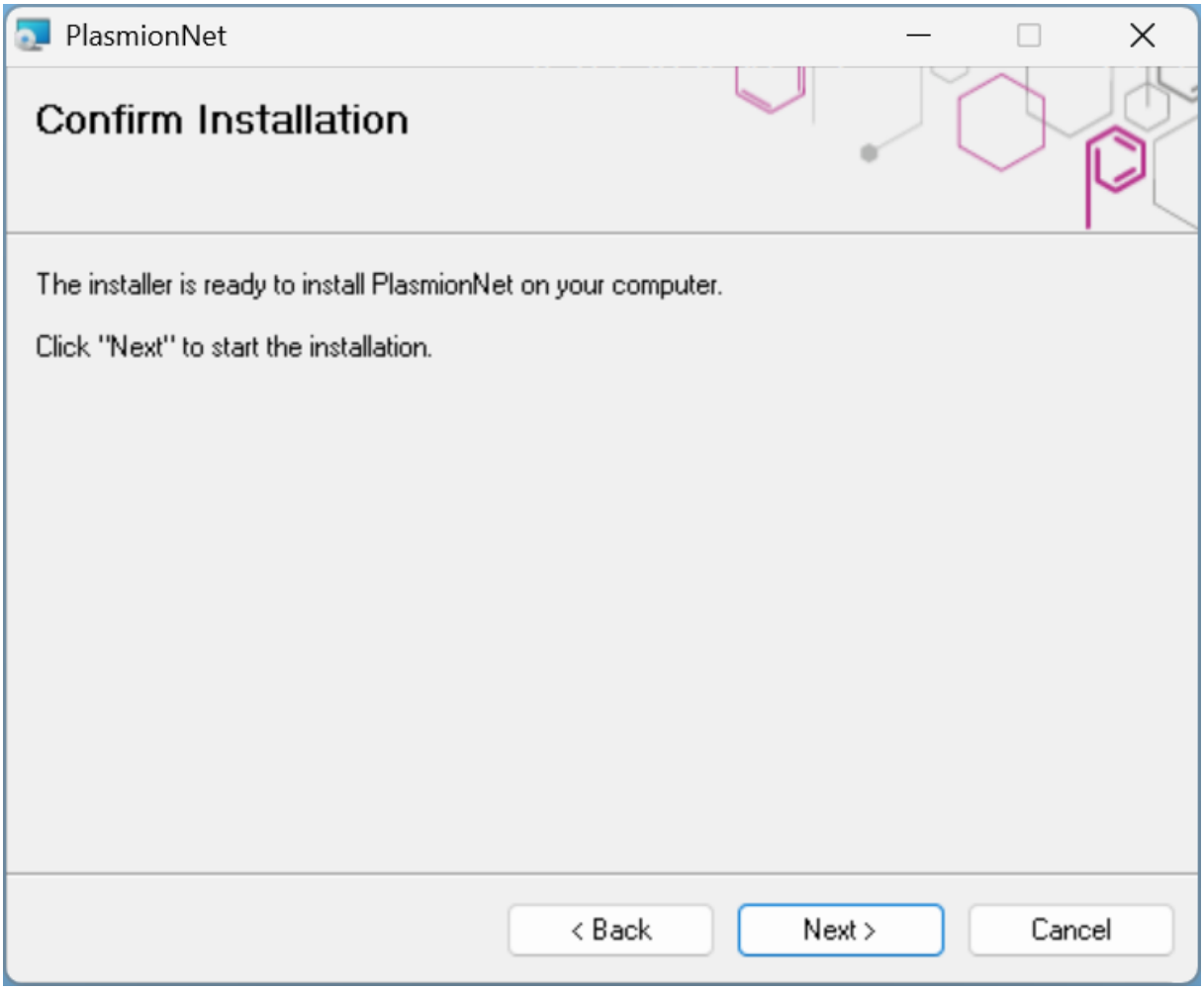

Figure 5 - Confirm Installation

This is the final page before the installation begins. You can either navigate back through the wizard to review your settings or proceed with the installation.

3.4. Complete

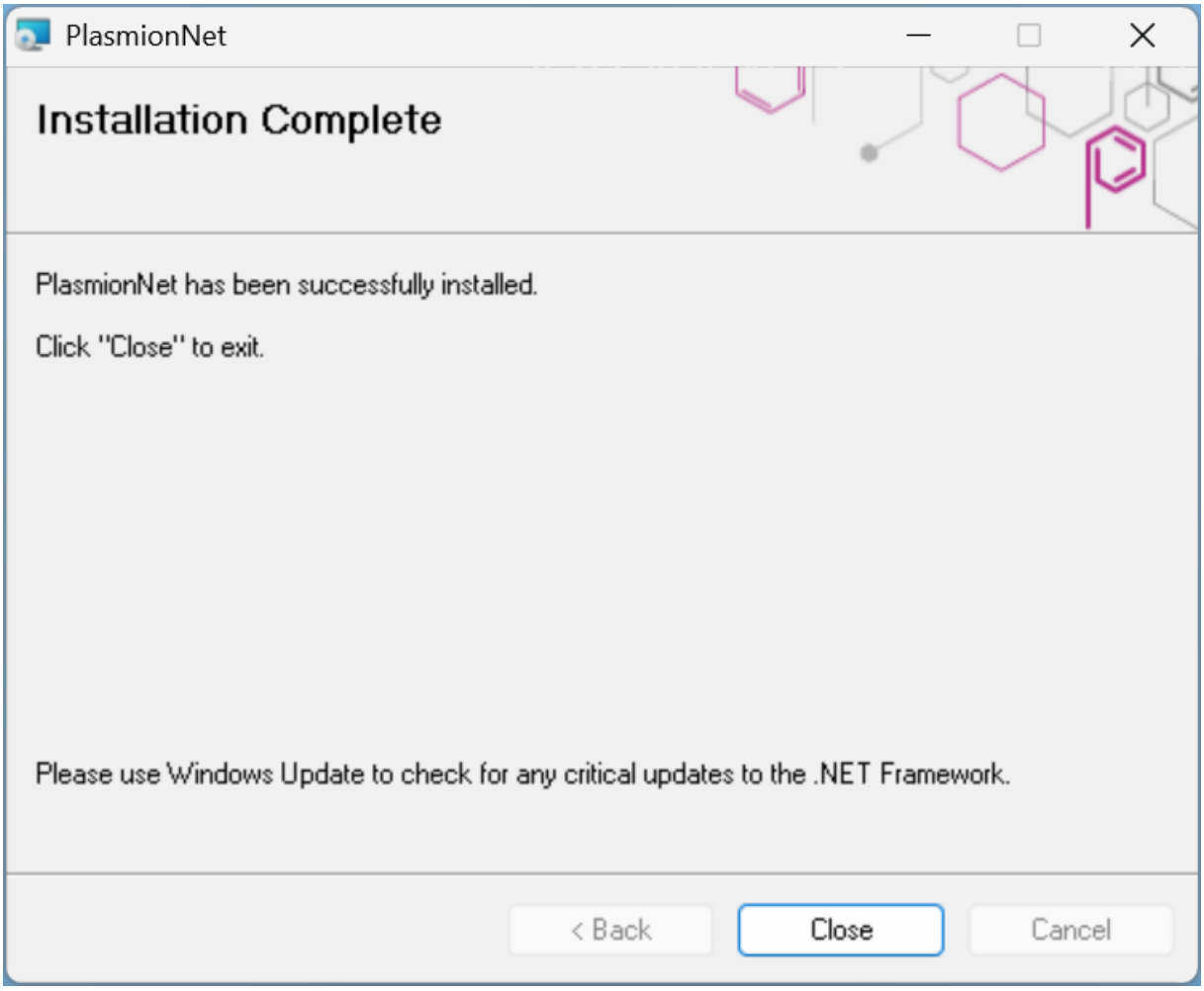

Figure 6 - Installation finished

This is the final screen of the installation wizard. It will either display an error message (see *Troubleshooting*) or confirm that the installation was successfully completed.

After clicking **"Close,"** the wizard will exit. A shortcut to the application may be created on your desktop, and an entry will be added to the Start Menu for PlasmionNet.

3.5. Cancel / Abort

If you press the **"Cancel"** button on any wizard page or click the close icon **"X"**, you will be prompted with a confirmation request to cancel the process.

Figure 7 - Cancel Confirmation Request

You can either confirm the request by clicking **"Yes"**, which will take you to the final page (see *Figure 8 - Cancellation Confirmed*), where you can close the wizard without installing the application.

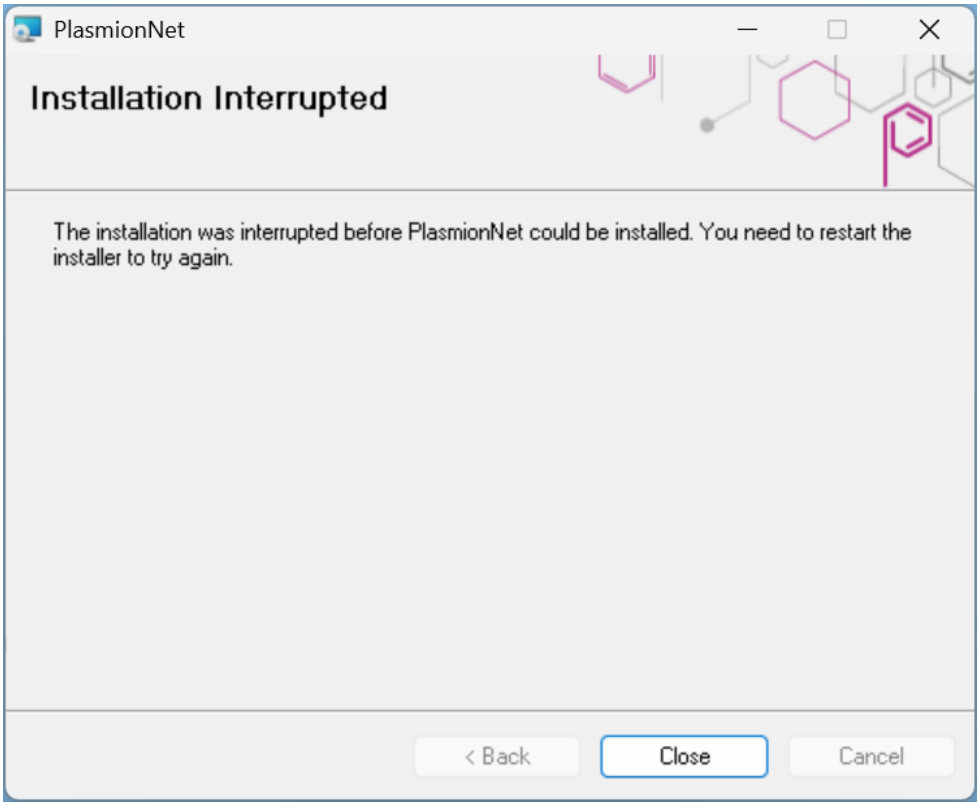

Figure 8 - Cancellation Confirmed

If you press **"No"**, you will be redirected to the page where you were previously.

4. Remove

Of course, it is possible to remove our software. There are several options to start the process.

Note:
Depending on your operating system version, some options may differ or appear slightly different. The following images are based on the Windows 11 Pro version (24H2 Build 26100.3194).

!!Attention:!!
During the uninstallation process, all files will be deleted. Please ensure you have a backup of your recording files or that they are saved in another location.

One option is to right-click on our software in the Start Menu and select **"Uninstall"** (see *Figure 9 - Uninstall Option Start Menu*)

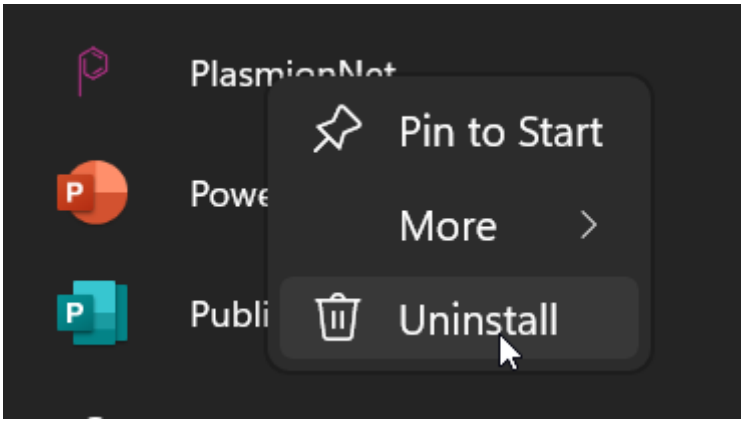

Figure 9 - Uninstall Option Start Menu

Another option is in the **"Apps & Features"** menu within the settings of your operating system. Scroll through the list until you find our application entry. Then, click the **"..."** button to open the options (see *Figure 10 - Uninstall Option App / Program list*), select **"Uninstall,"** and confirm the request (see *Figure 11 - Uninstall Confirmation*).

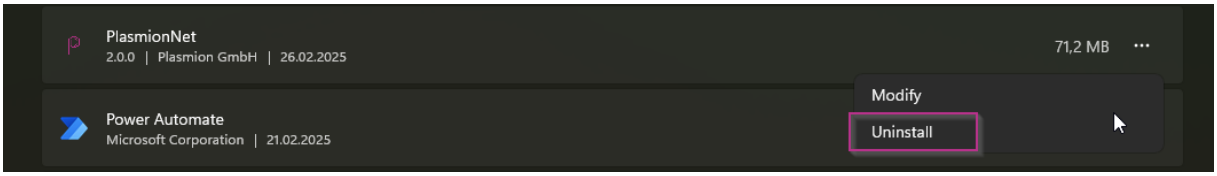

Figure 10 - Uninstall Option App / Program list

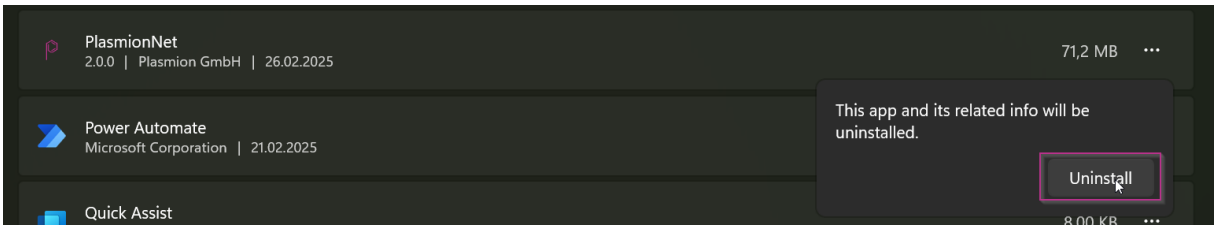

Figure 11 - Uninstall Confirmation

After confirmation, the installer will proceed with the selected option to remove the application (see *Figure 12 - Uninstall executed*).

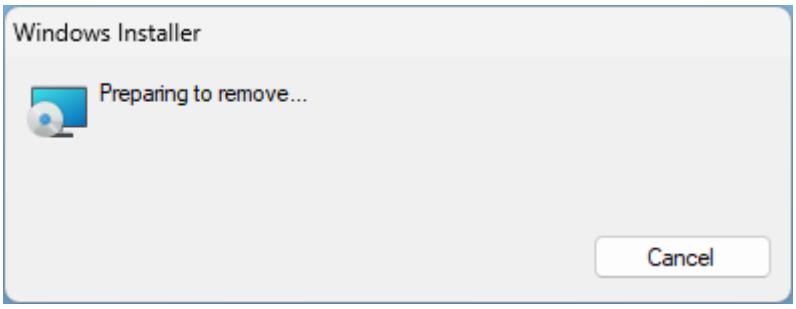

Figure 12 - Uninstall executed

5. Configuration Wizard

The following pages show all user interfaces you will encounter during the configuration process. After each visualization, you will find a brief summary of that step, along with explanations of the buttons on the screen if necessary.

The Wizard will automatically open when you start the Application for the first time on the special file location.

All configuration options from the following *Device Configuration* chapter can also be configured within the application itself. Please look at the later chapters of the manual for further instructions.

5.1. Welcome Page

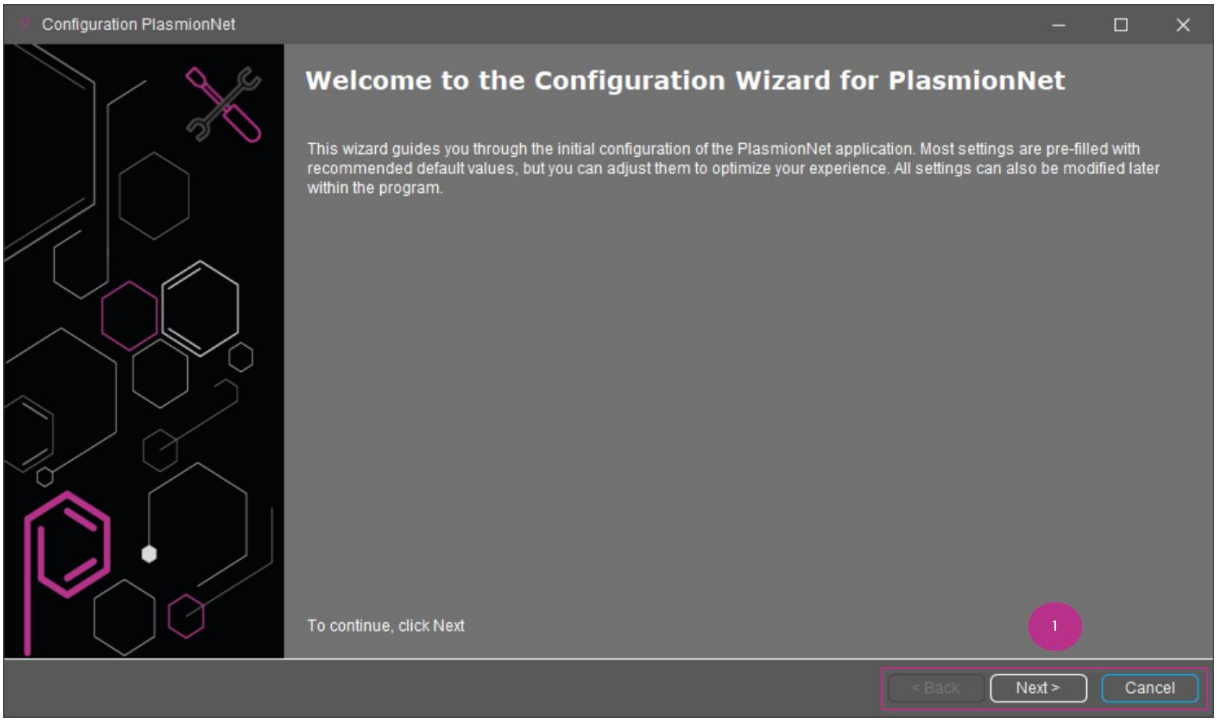

Figure 13 - Welcome Page

The Welcome page provides a brief overview of the actions performed during the execution of this wizard.

In the bottom right corner, you will find the navigation buttons **“Back”**, **“Next”** and **"Cancel"** (marked as **number 1**), which allow you to navigate through the pages of the Wizard.

- The **“Back”** button navigates you to the previous page
- The **"Next"** button validates your inputs and navigates you to the next page if they are valid. Otherwise, a message box will inform you of the validation error.
- The **“Cancel”** button starts the abort process. (For more details, see *Cancel / Abort*).

5.2. License

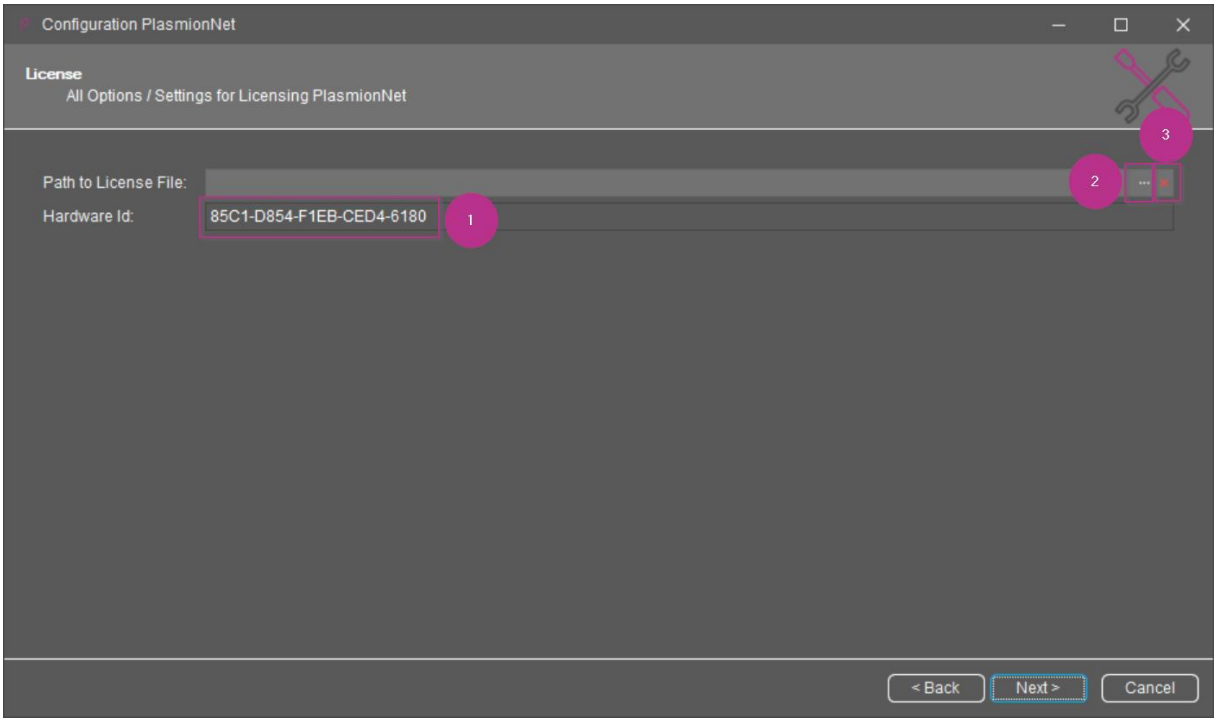

Figure 14 - License & Hardware Id

The License pages collect all information about the licensing of the PlasmionNet Application. You see the Hardware Id (marked as **number 1**) of your computer.

!! Attention: !!
To receive the license file for your computer you must contact your designated Plasmion representative or technical support with the Hardware Id. The representative will then send your license file to you.

With the button (marked as **number 2**) you can now select the license file on your computer (see *Figure 15 - File Selection for License*).

The button (marked as **number 3**) allows you to remove the current selection of the file.

!!Attention: !!
The selected license file will be moved from the chosen location to the correct location for the PlasmionNet Application. It is recommended to keep a backup of your license file in case you uninstall the application from your computer.

If you proceed without a license file, a warning will inform you that the application cannot start without a valid license file (see *Figure 16 - Warning if no License is selected*).

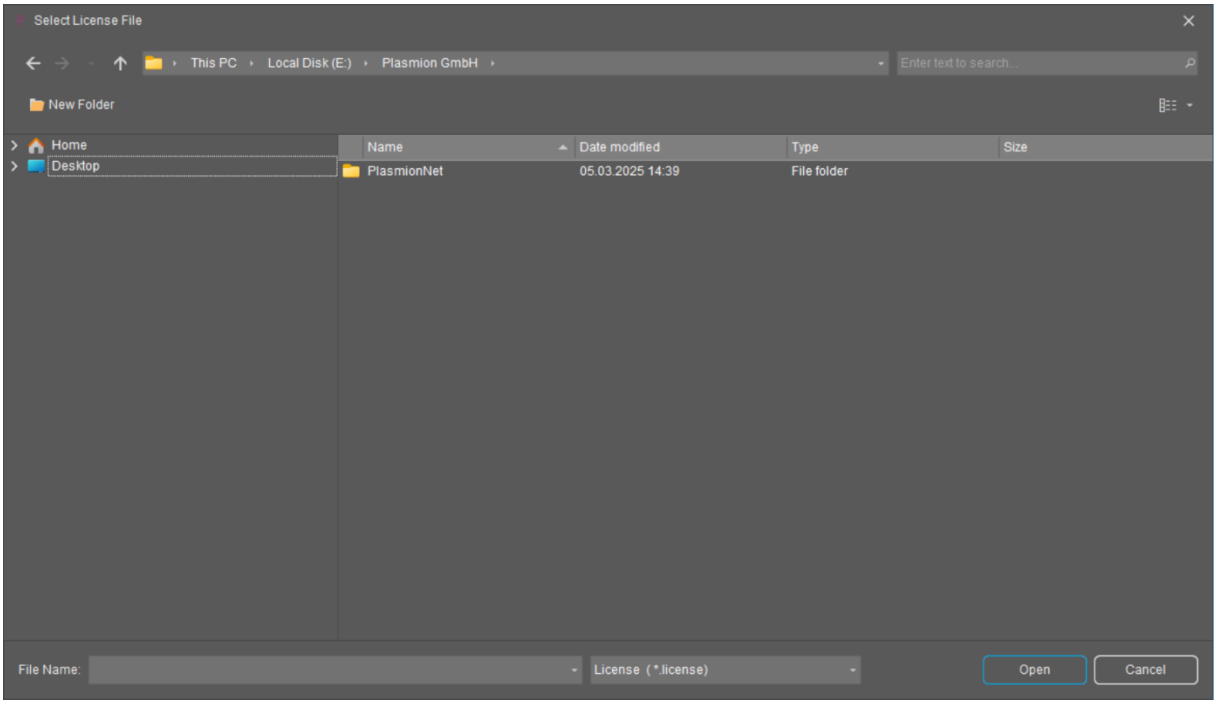

Figure 15 - File Selection for License

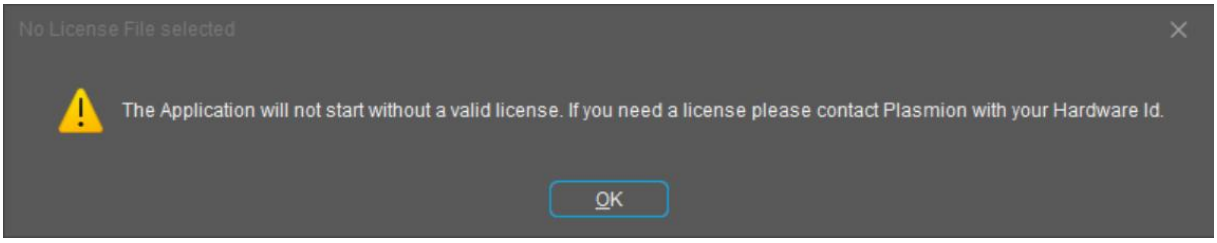

Figure 16 - Warning if no License is selected

5.3. Device Configuration

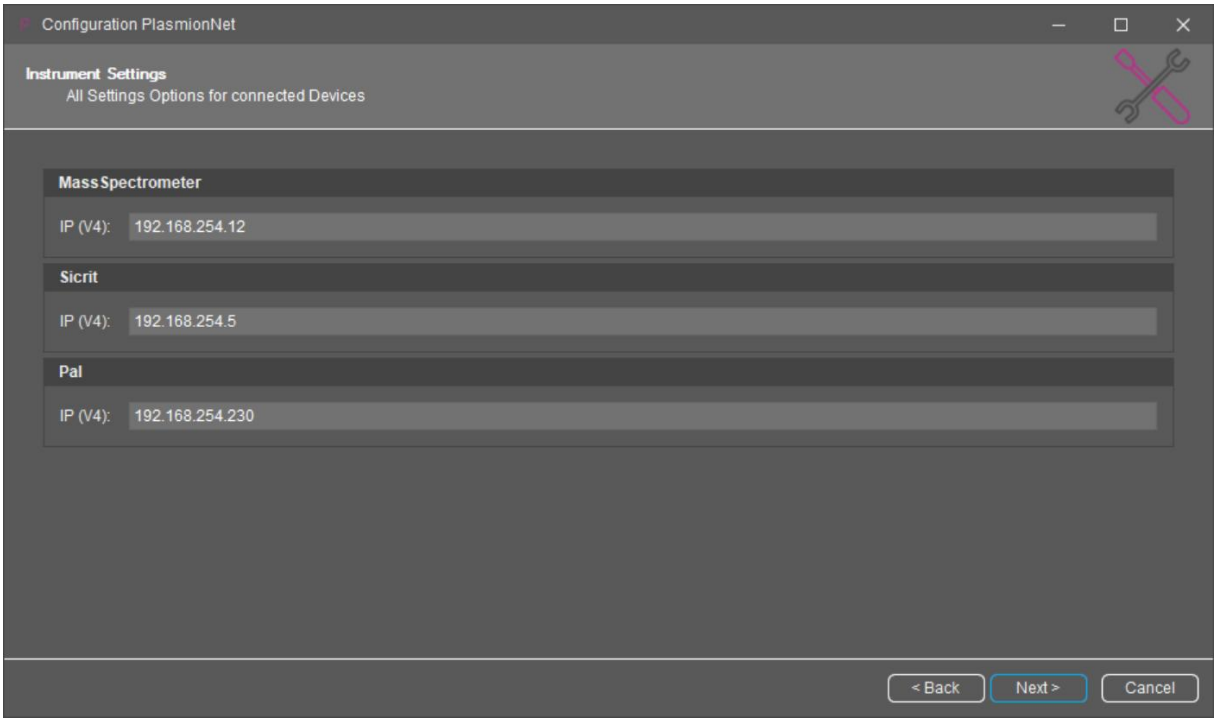

Figure 17 - Connection Parameter for Devices

On this page, you can see the default configuration parameters for the most commonly used devices in the application. You can adjust the settings to match your environment.

When you press the **"Next"** button, the wizard will verify the configured connections to the devices and display a message (see *Figure 18 - Results Connection Test*) listing any devices that could not be connected.

Note:
If you have ordered the “HaVoc” product, the values are pre-configured to match the environment.

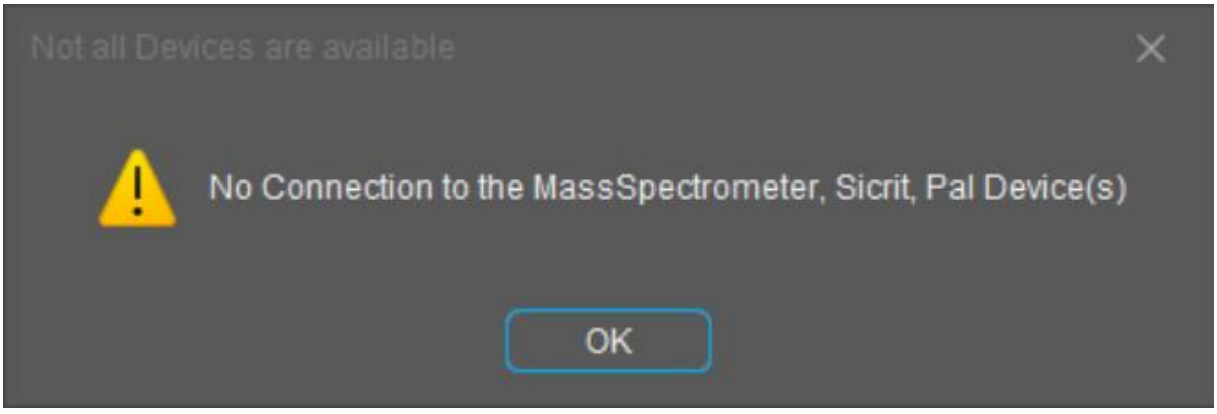

Figure 18 - Results Connection Test

5.4. General Settings & Recording

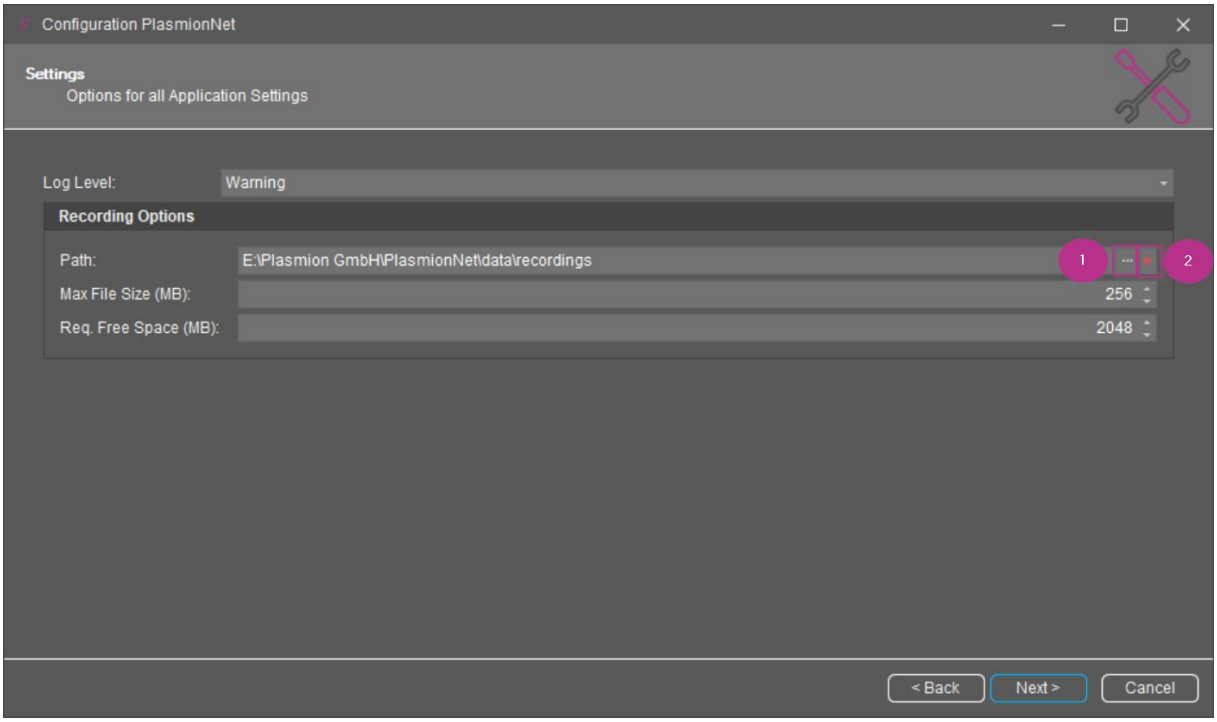

Figure 19 - Recording & General Settings

This page contains all general application settings and a section for recording settings.

The **"Log Level"** setting defines what types of messages are written to the generated log file. Normally, the **"Warning"** level is sufficient. If you encounter frequent issues, you can increase the level to **"Info"** and contact technical support.

The recording settings determine how the application saves measurement results to the file system.

The **"Path"** specifies the directory where all measurement recording files are stored. To select a directory, press the button marked as **number 1**, which will open the selection dialog. To clear the directory, press the button marked as **number 2**. See *Figure 20 - Recording Path Selection*.

The **"Max File Size (MB)"** setting defines the maximum file size before the recording is split into multiple files. An index marker is added to the file name.

The **"Req. Free Space (MB)"** setting specifies the minimum required free space to ensure recording can proceed. If the available space on the selected drive falls below this limit, you will receive a warning before starting a recording operation in the application.

!!Attention: !!

It is recommended to change the recording path to a separate file location. Otherwise, all recordings will be deleted when you uninstall the application.

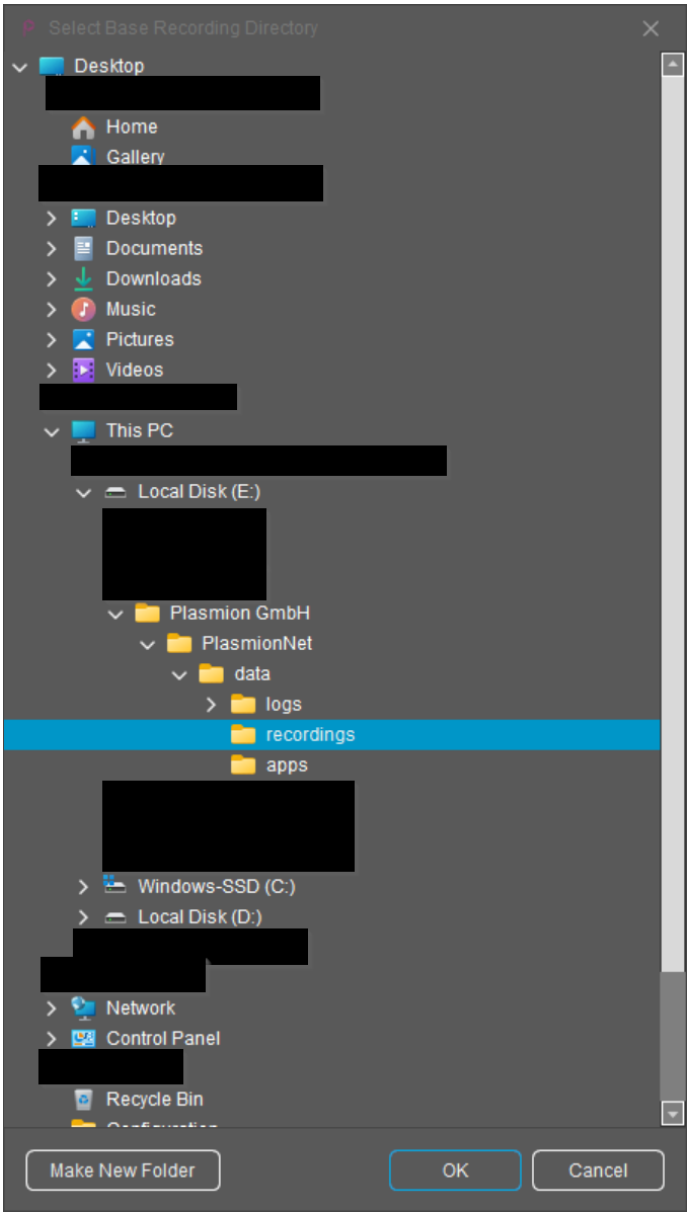

Figure 20 - Recording Path Selection

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5.5. User Management

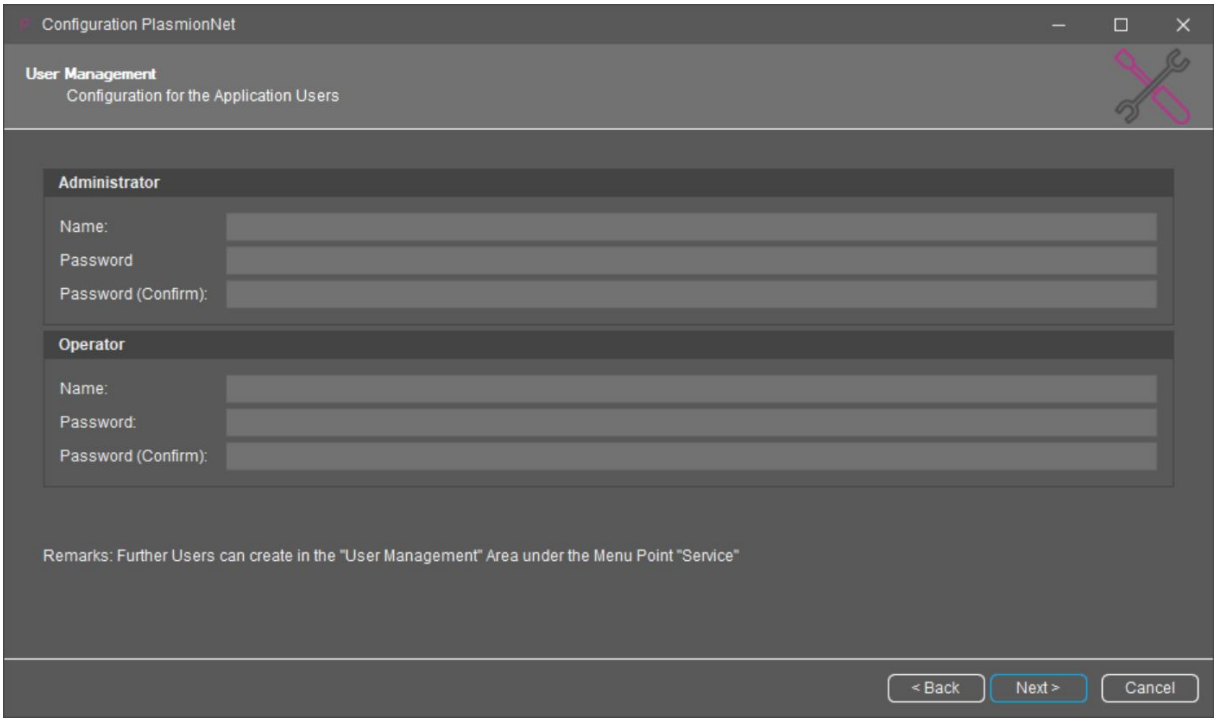

Figure 21 - Create default Users

On the User Management page of the wizard, you can configure the default user credentials for the application. You define an **"Administrator"** and an **"Operator"** user.

The **"Administrator"** user has the authority to manage applications, configure the application, and set up users for the application. They are also able to configure settings for a specific application.

The user is allowed to log in to the application and start or execute an application.

The requirements for the new users are:

- A valid name (at least 1 character)
- Both users must have different names
- Password & Password Confirm must match

If any criteria are not met, you will receive a message box with the validation message (see *Figure 22 - Users Requirements Validation*).

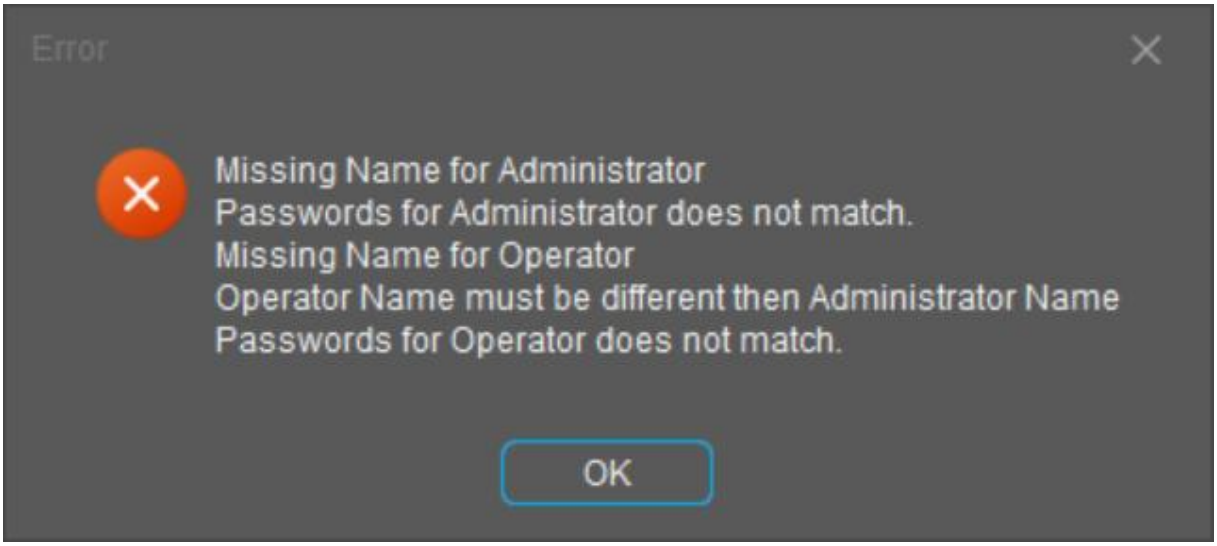

Figure 22 - Users Requirements Validation

5.6. Summary

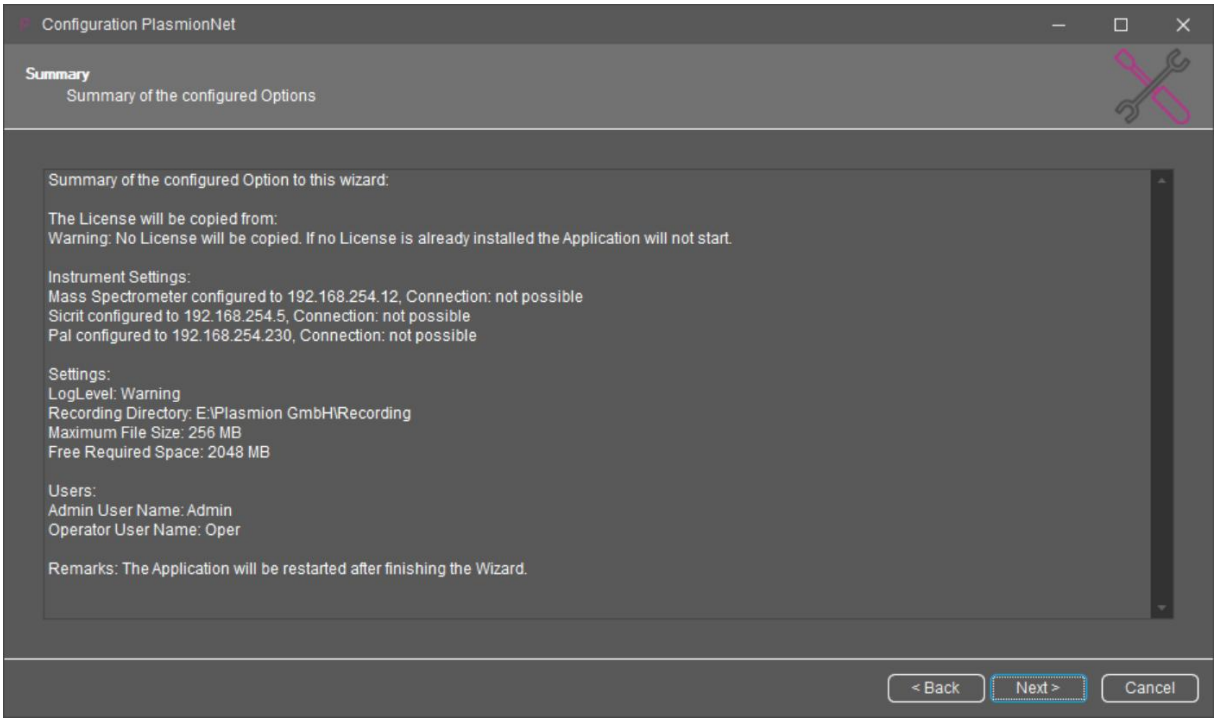

Figure 23 - Generated Summary

The summary page is the final step before the configured inputs are applied. It displays all configured values and provides a summary of the individual pages. It also includes a note that the application will be restarted after successful execution.

5.7. Execution

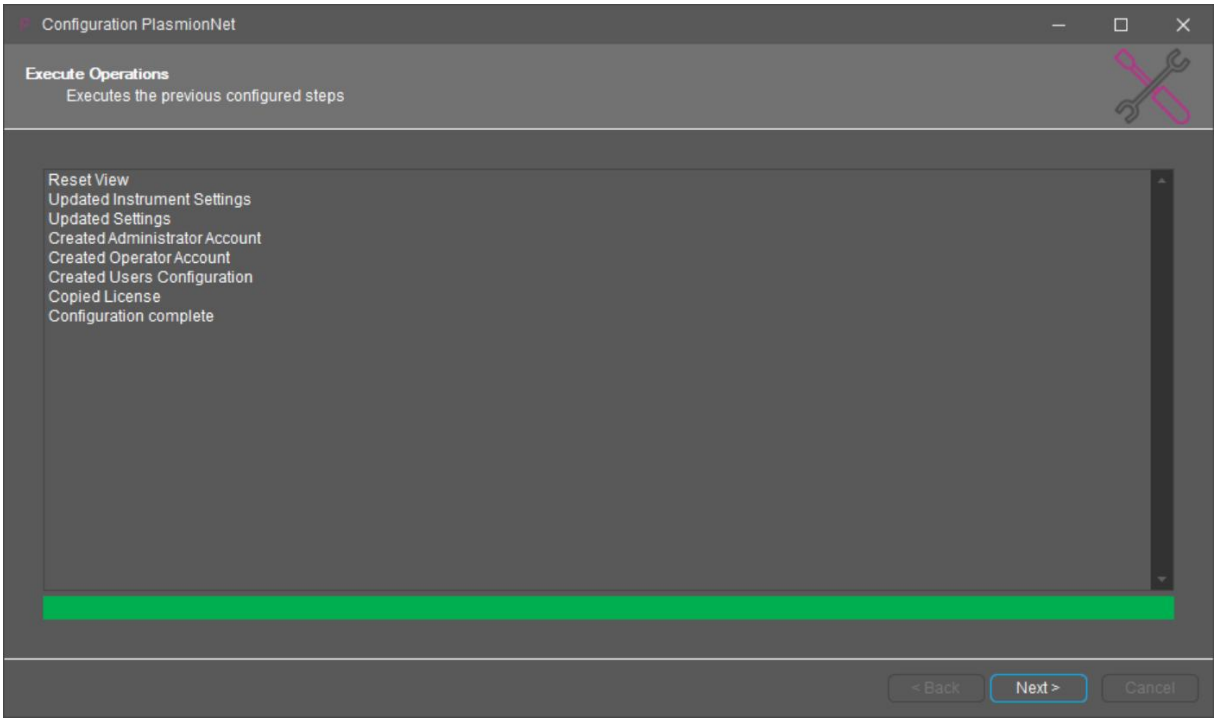

Figure 24 - Wizard execution

This page of wizard shows all the steps being executed. The currently active steps are listed at the end. The progress bar indicates the position of each step in relation to the entire configuration process.

If an error occurs, it will be displayed in the log above the progress bar.

5.8. Finish

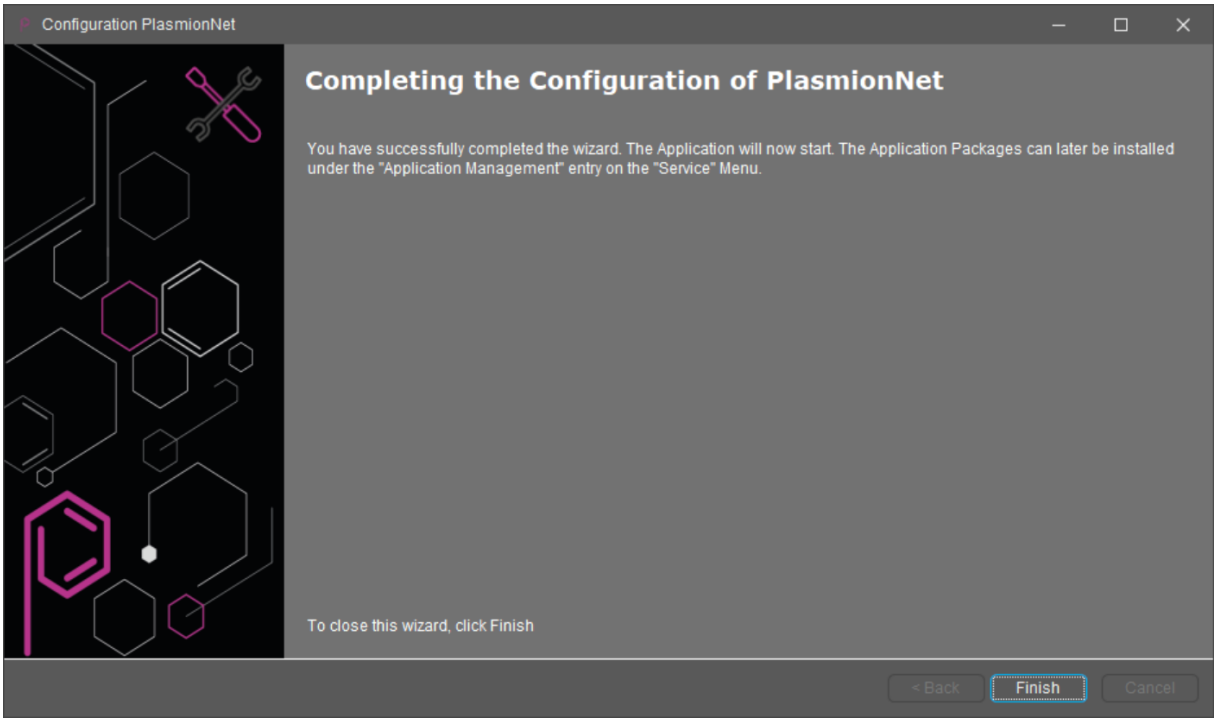

Figure 25 - End of Wizard

This is the final page of the configuration wizard. It indicates that all steps have been successfully configured, and the application will now be restarted with the new values.

5.9. Cancel / Abort

After pressing the **"Cancel"** button on any page of the wizard, you will receive a confirmation message (see *Figure 26 - Cancellation Request*). If you confirm the request, the wizard will close without saving any progress. If you deny the request, the wizard will continue on the current page.

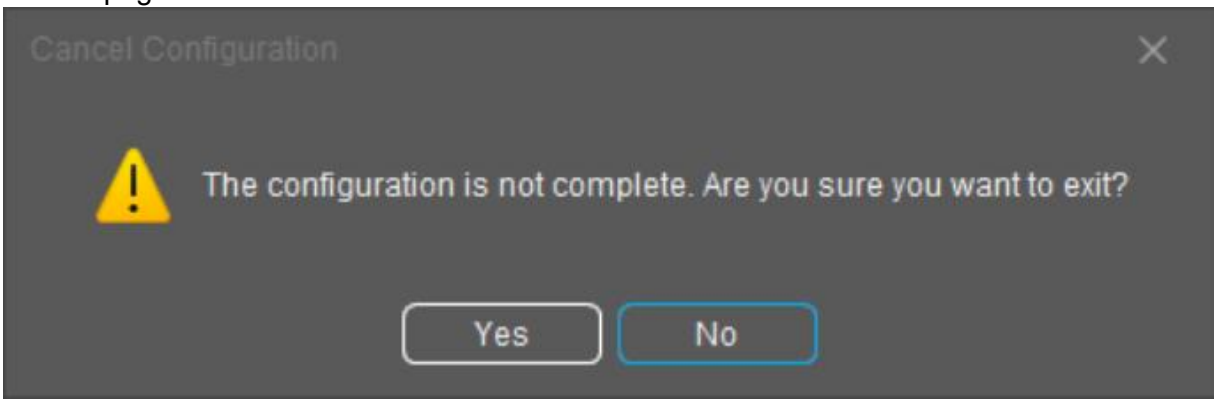

Figure 26 - Cancellation Request

6. Start & Login

After starting the application, you will see the start screen (see *Figure 27 - Loading Screen*). During this time, the application is preparing its internal state and loading all the libraries required for execution.

Figure 27 - Loading Screen

Once all prerequisites are met and everything is loaded, the login screen will appear. (see *Figure 28 - Login Screen*). Here, you can enter your credentials. After that, you will be directed to the application's start page.

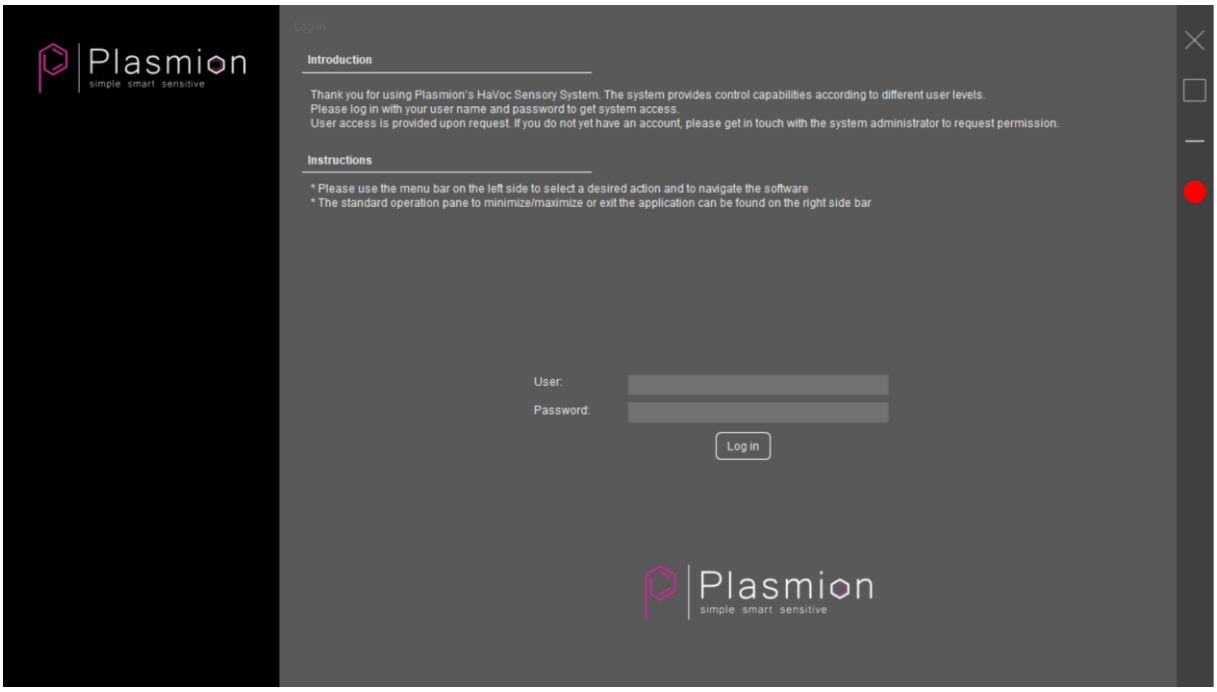

Figure 28 - Login Screen

After a successful login, you will see a waiting screen (see *Figure 29 - Waiting screen while establishing device connection*). During this time, the connection to the devices is being established. On the first login during the application's runtime, this process may take a few seconds.

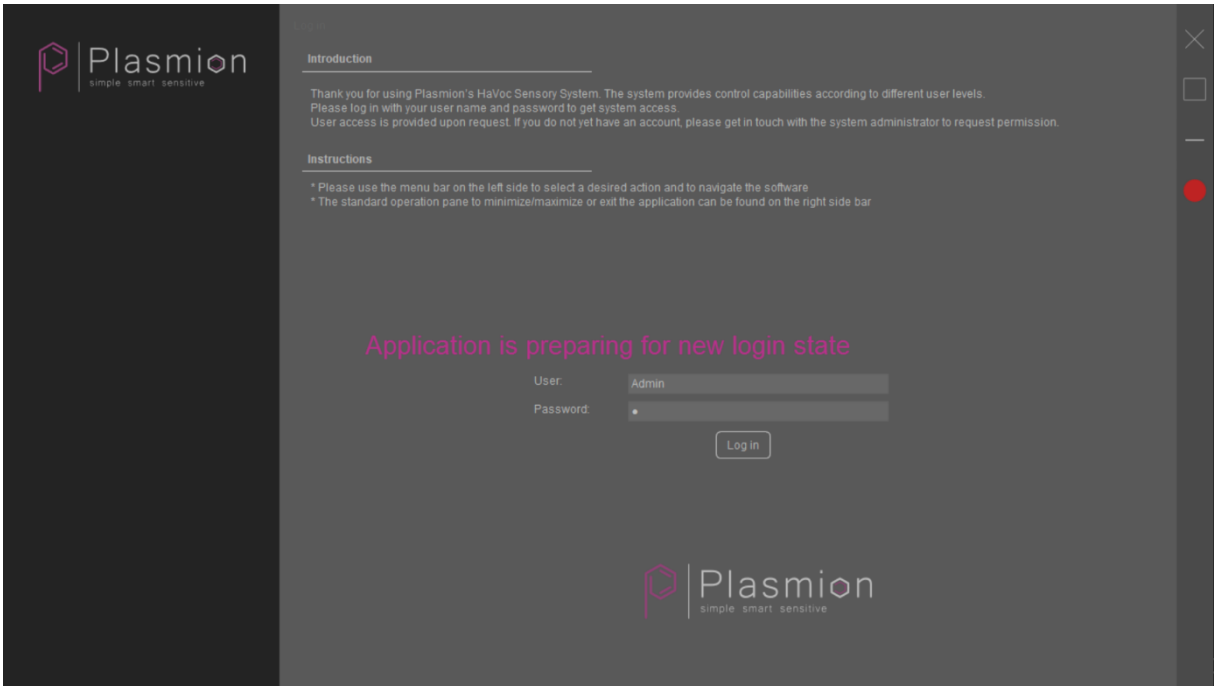

Figure 29 - Waiting screen while establishing device connection

If there is a problem with your credentials, you will receive a warning like the one shown in *Figure 30 - Invalid Login attempt*.

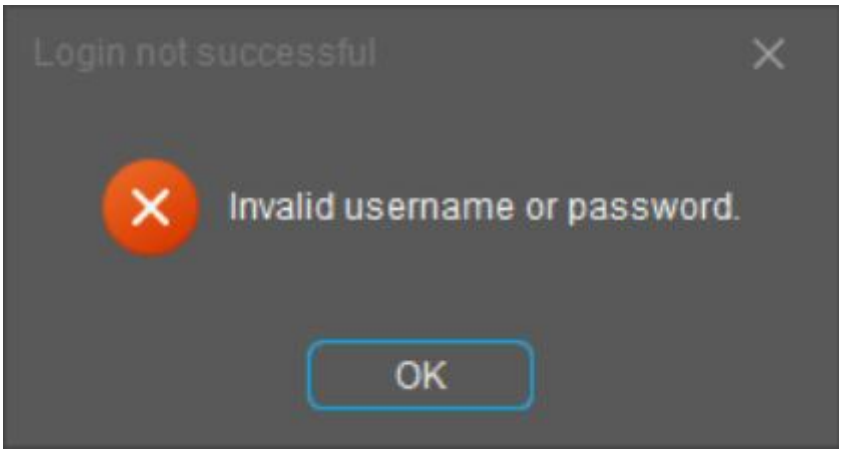

Figure 30 - Invalid Login attempt

7. Application Overview

Figure 31 - Start screen for Operator user and *Figure 33 - Start screen for Administrator user* visualize the main view of the application.

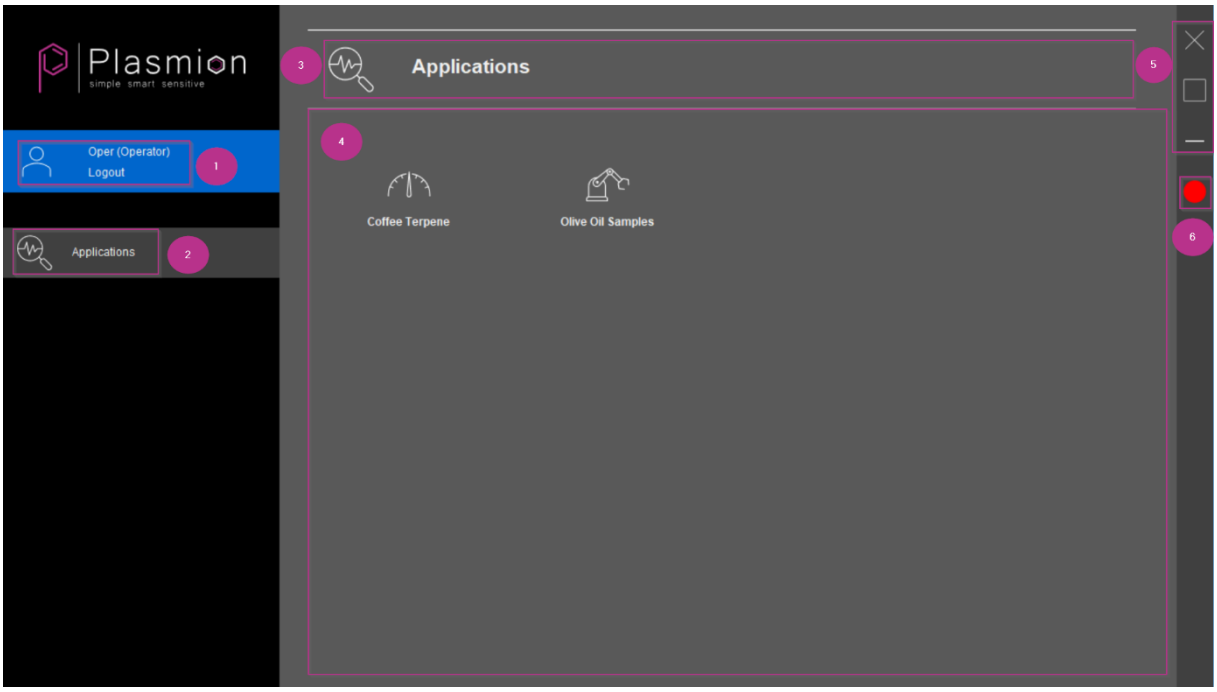

Figure 31 - Start screen for Operator user

In the top left corner (marked as **Number 1**), you will find information about the currently logged-in user and their type. Below that, you will find the general menu for the application. As an '**Operator**,' you will see the '**Applications**' page (marked as **Number 2**). For the '**Administrator**,' there is an additional entry for accessing the '**Services**' area (more details in Chapter *Settings* following) (marked as **Number 7**).

In the right area, you will find the control item for the application (marked as **Number 5**) and detailed information about your connected devices (marked as **Number 6**). The explanation for the device state can be found in Chapter *Instrument States*.

During the application's runtime, you will encounter multiple wait screen overlays. They all follow the same layout: a text message is displayed over the current view (like seen in *Figure 29 - Waiting screen while establishing device connection*). During this time, if you click on any other menu entry, an error message will appear (see *Figure 32 - Error message while showing a wait screen*). Once the process is complete, you can navigate as usual.

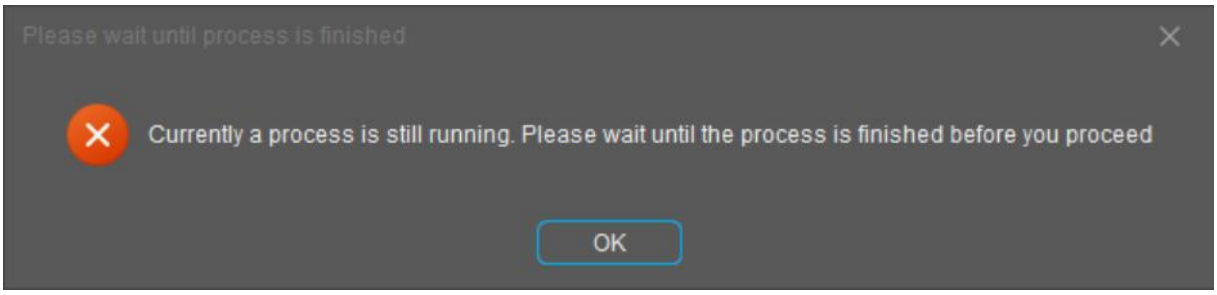

Figure 32 - Error message while showing a wait screen

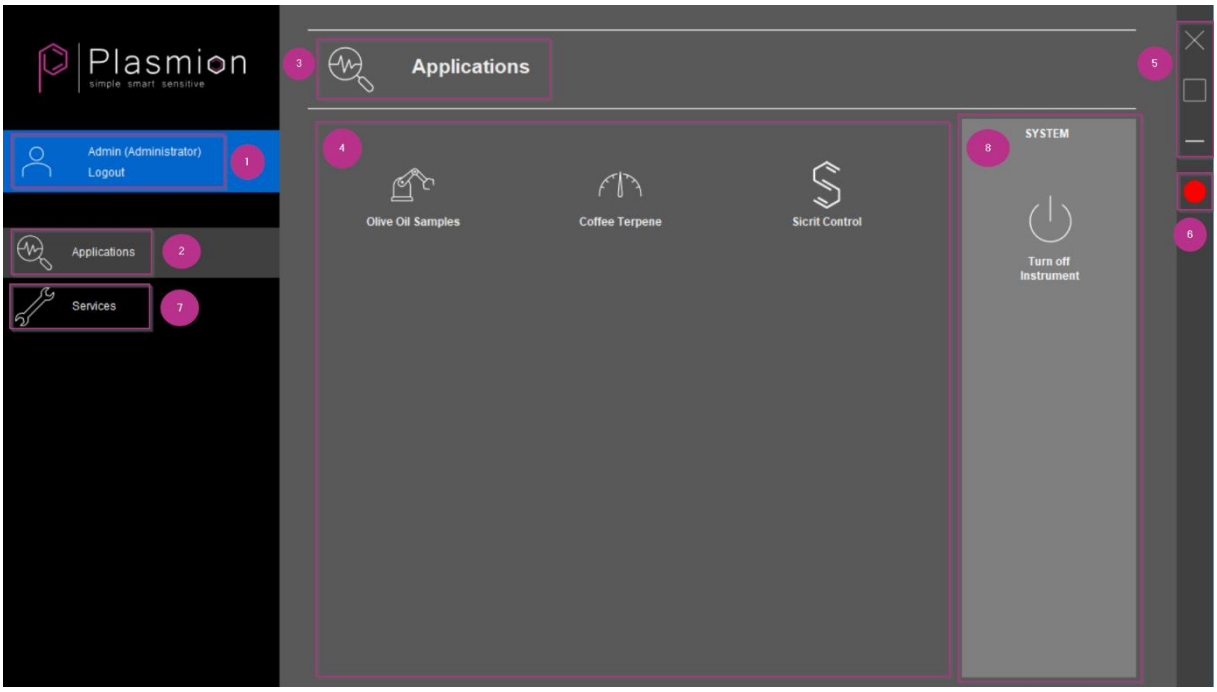

Figure 33 - Start screen for Administrator user

In the middle area, you will find the available applications that are installed (marked as **Number 4**) and the title of the current page (marked as **Number 3**). As an '**Administrator**,' you will also find special maintenance applications in the right area (marked as **Number 8**).

Remarks:

Before starting a maintenance action as an '**Administrator**,' please be aware of the consequences you may encounter afterwards.

8. Devices

The software contains a control instance for all available devices needed by the installed applications. These instances allow the applications to use defined functions, and the PlasmionNet application manages the state of the devices, ensuring that they always remain in a defined state throughout the workflow.

!!Attention:!!

All connected devices are fully controlled remotely. Any manual adjustments will be overridden by the software. To ensure optimal device performance, please avoid making manual changes.

8.1. Indication

The current state of the devices is indicated by a color on the sideline of the application. The color represents each device's state and symbolizes the overall device status. The colors currently in use are:

- **Red**: At least one device could not be reached (due to no connection or an error) or has signaled an error.
- **Blue**: The connection to all necessary devices has been established.
- **Yellow**: At least one device is preparing its operational condition, while all others have already reached it.
- **Green**: All devices are in their operating window and are currently working/running.
- **Question mark**: The state of the devices could not be evaluated.

To view the individual device state, you can hover over the symbol. The tooltip will also provide an explanation for the indication. If the tooltip is empty, it indicates that there is no problem with any of the devices.

8.2. Instrument States

There are predefined states in the application for specific points during its usage. The following chapters explain the predefined states for the devices.

8.2.1. Background / Idle States

In this chapter, the background state of the devices will be described. All connected devices are controlled by the application, even if no applications are currently installed that use the device.

8.2.1.1. Mass spectrometer

For our application, we have defined a special background mode for our mass spectrometer. To maintain the instrument in optimal condition, a special measurement method is used. This method keeps the instrument in its operational condition and reduces the preparation time for the next measurement.

8.2.1.2. SICRIT®

When the SICRIT® device is in idle position, the high voltage is turned off as default. However, the heating for the connected add-on remains active.

Remarks:

The state for the high voltage can be changed /set up in the settings area of the application.

8.2.1.3. PAL Robot

Since the automation robot is automatically in background mode when no script is running, our application only aborts the current script execution and resets the robot.

8.2.1.4. Zephyr

Considering the device is evaluating its sensor system on a continuous basis there is no background or idle mode. Therefore, the Zephyr will only be reset to internal modes and keep the device ready for measurements.

8.2.2. Shutdown

In this chapter, the '**Shutdown**' state is explained in detail. It is recommended to contact your designated Plasmion representative before shutting down the devices.

8.2.2.1. Mass spectrometer

When the mass spectrometer is shutting down, the instrument is set to the vendor's stand-by mode. After that, the venting process is initiated. Depending on the instrument, this process may take several minutes. Once completed, the instrument is fully shut down and can be disconnected from the power supply.

!!Attention:!!

Starting the instrument may take **several days** to fully stabilize. Therefore, **do not shut down the instrument on your own.** First, contact your designated Plasmion representative.

8.2.2.2. SICRIT®

When the SICRIT® device is shutting down, the high voltage and the add-on will be deactivated.

8.2.2.3. PAL Robot

The automation robot operates under the same conditions as in background mode.

8.2.2.4. Zephyr

There is no special shutdown mode for the Zephyr device. It will stay under the same conditions as in the background mode.

8.3. Workflow

At these points in the application, the devices will remain in a specific state. The devices will be adjusted to the following states during these workflow points.

8.3.1. Start of the PlasmionNet Application

The necessary devices will be determined by the application, but no further action will be taken until after the login.

8.3.2. Login

After the first successful login of a user, the connection to the device is established and will be maintained until the application is closed.

8.3.3. Start of an Application

The devices will be prepared using the app-specific workflow settings to reach their specific operating window.

8.3.4. Running of an Application

During the runtime of an application, the application controls the devices to support its workflow.

8.3.5. End of an Application

All devices will be reset and placed in their background mode.

8.3.6. End of the PlasmionNet Application

The connection to the devices is closed, and all devices will be reset and placed in their background mode.

9. Application

After clicking the icon of an installed application, the application is loaded and displayed (see *Figure 34 - App view for Operator user*, *Figure 39 - App view for Administrator user*). Of course, every application is designed differently, but the general design language remains the same. In the left area, you will find the entry for the '**Applications**' page (marked as **Number 1**). Below that is the entry for the currently executed application (marked as **Number 2**).

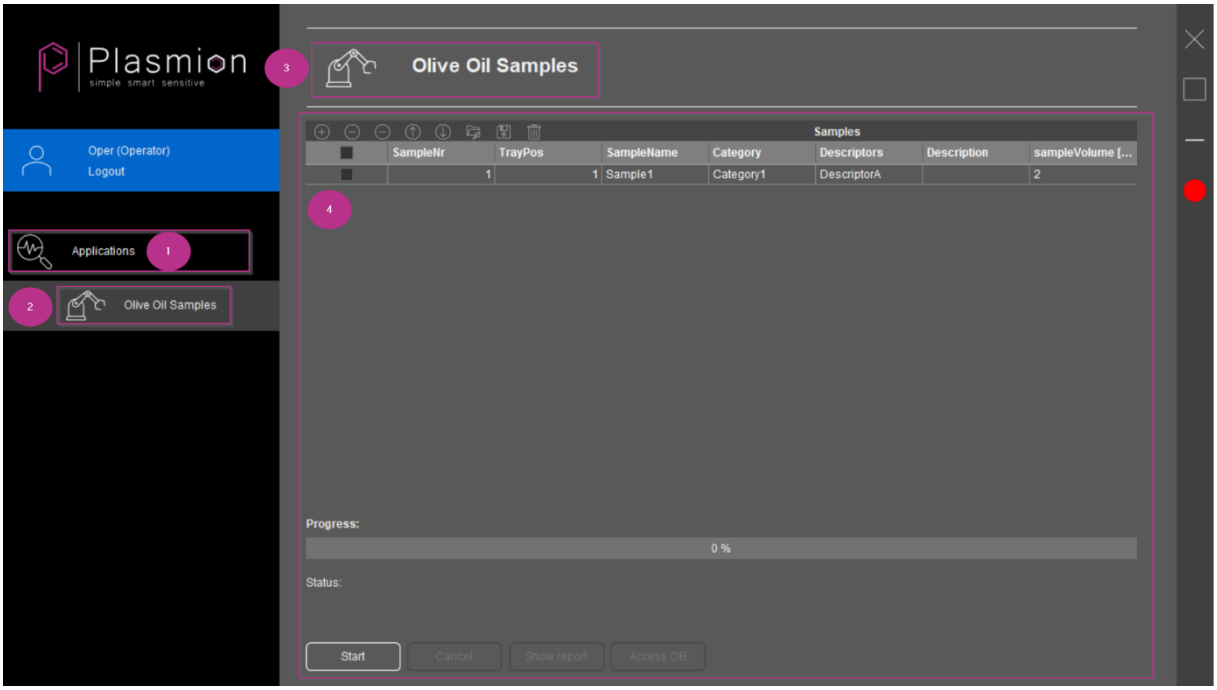

Figure 34 - App view for Operator user

At the top, you will see the '**Icon**' and the '**Title**' (marked as **Number 3**) of the application. Below that is the area (marked as **Number 4**) dedicated to the specific application design.

When an application is currently executing its workflow (the workflow is defined by the application itself and can be found in the specific application manual), you will receive a warning (see *Figure 35 - Warning for running application workflow*) if you attempt to leave the application. This can occur when switching to another view or trying to close the application. If you confirm the action, the workflow will be aborted, and all connected devices will be reset. If you decline, the workflow will continue uninterrupted.

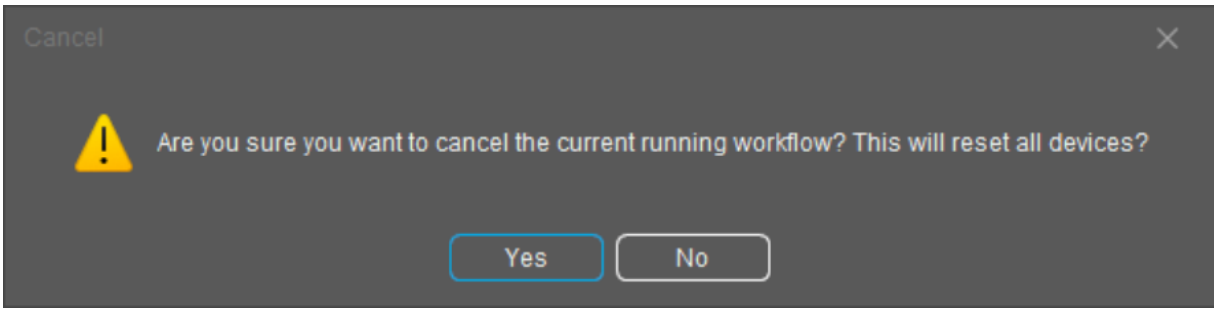

Figure 35 - Warning for running application workflow

Some applications want to store measurement or result data to the file system. In that case the "**Recording Settings**" (see *Settings*) are evaluated. If the "**Recording Path**" or "**Req. Free Space (MB)**" is missing, you will encounter the message below.

Figure 36 - Warning for missing Recording Path

If the Path cannot be checked (see *Figure 37 - Warning Recording Path could not be evaluated*) or if there is not enough free space (see *Figure 38 - Warning for not enough free space*) you will receive the corresponding warnings. To resolve these Problems please contact your "**Administrator**" so the settings can be corrected or adapt.

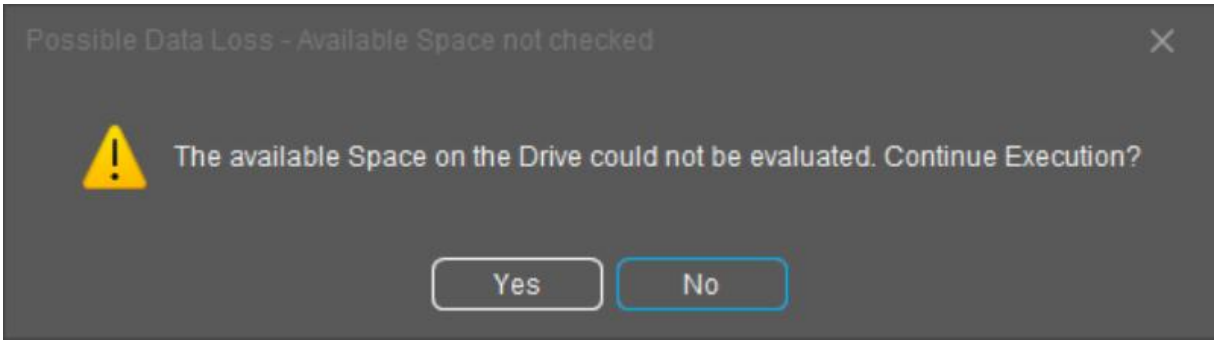

Figure 37 - Warning Recording Path could not be evaluated

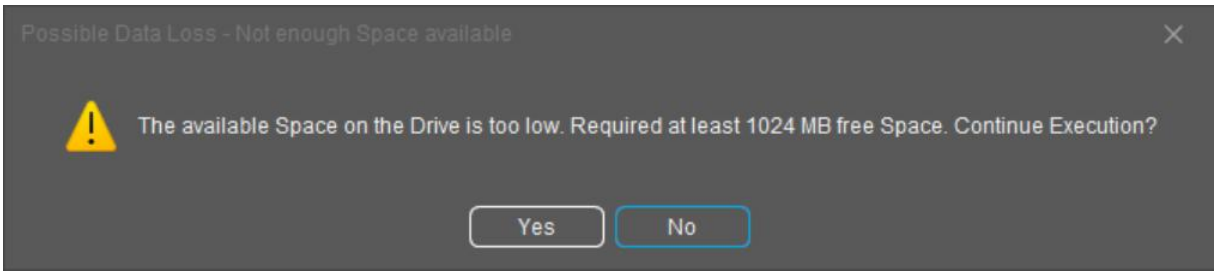

Figure 38 - Warning for not enough free space

You still have the option to override these warnings. In that case you must confirm any of these warnings. Then the process will be continued.

!!Attention:!!

By overriding these warnings, a loss of data is possible.

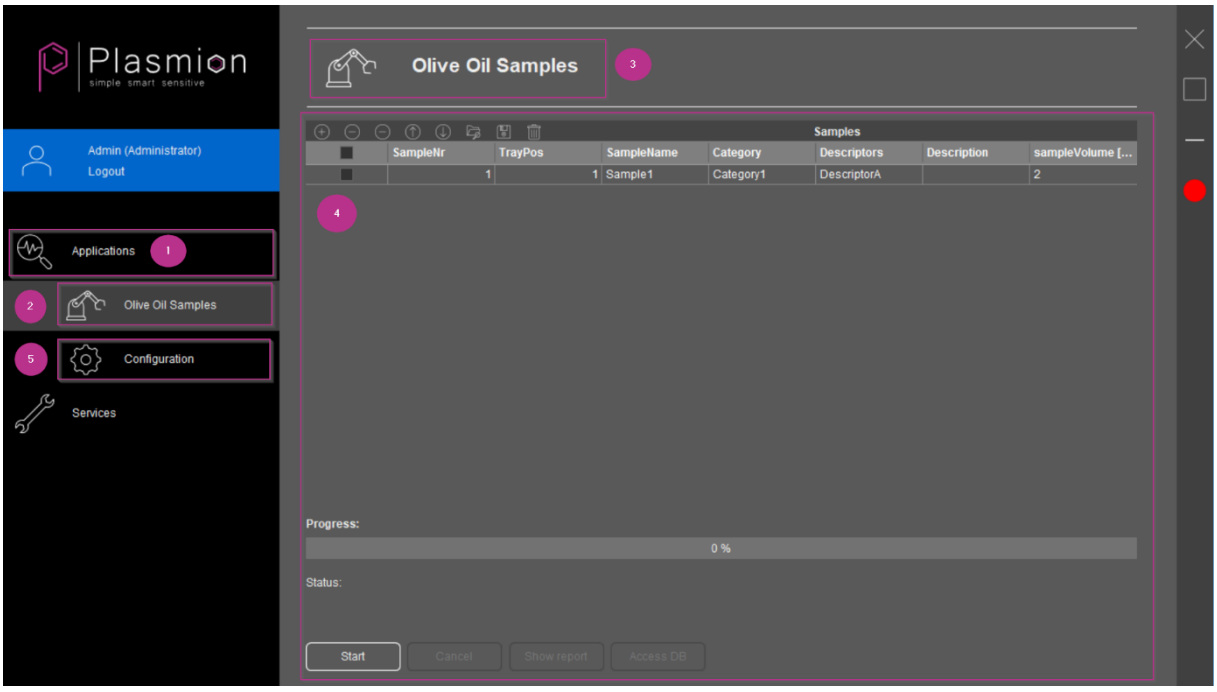

Figure 39 - App view for Administrator user

As an '**Administrator**,' you also have an entry on the left side called '**Configuration**' (marked as **Number 5**). This entry is only visible if the application contains configurable values. After pressing the '**Configuration**' entry, the configuration page will open, as shown in *Figure 40 - App configuration view for Administrator*.

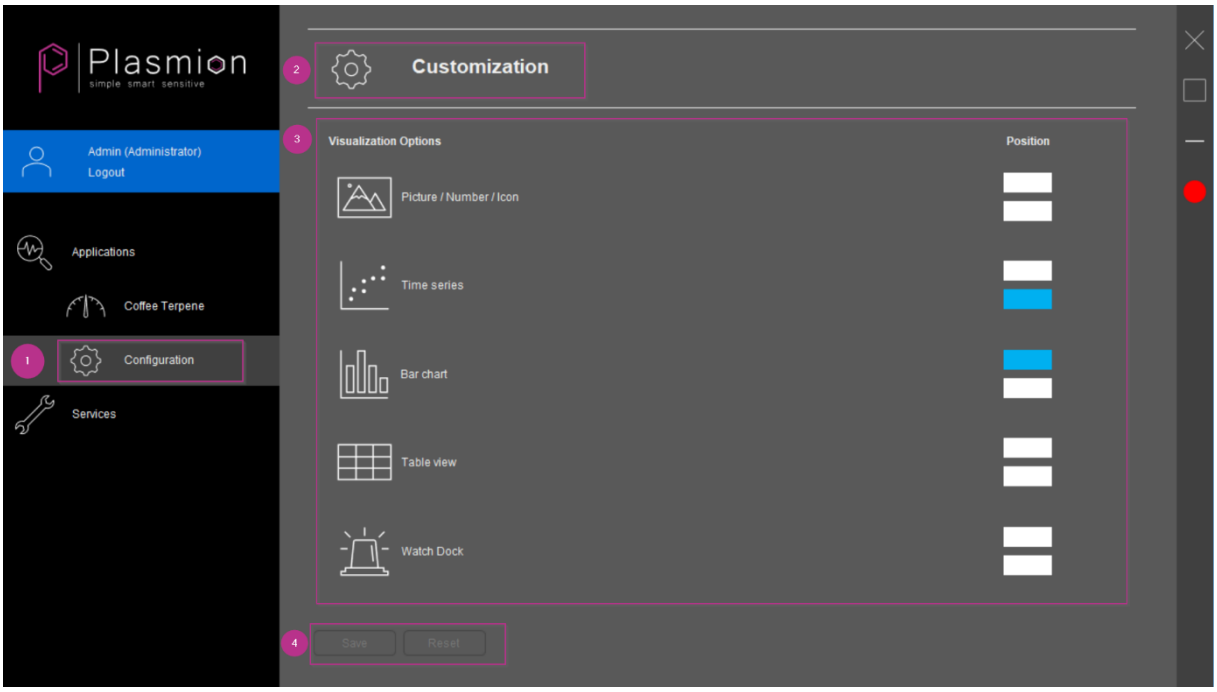

Figure 40 - App configuration view for Administrator

The navigation is the same as with the application itself. On the left side, you will see the current navigation item (marked as **Number 1**), which indicates the view currently being displayed. The '**Icon**' and '**Title**' are shown in the header area (marked as **Number 2**). This is followed by the view itself (marked as **Number 3**) and the operation buttons (marked as **Number 4**) at the end of the view.

Remarks:

This is just a general overview of the application layout. Each application provides its own manual, where all details are explained. Please refer to the specific manual if you have any questions.

10. Settings

As Administrator of the software, you have a separate menu entry called '**Services**' (marked as **Number 1**). After pressing on the '**Services**' entry, the '**Settings**' (marked as **Number 4**) page will be automatically opened (see *Figure 41 - Settings Overview*).

Note:

The **'Application Management'** (marked as **Number 2**) and the **'User Management'** (marked as **Number 3**) are explained separately in their own chapters (see *Application Management* and *User Management*).

Figure 41 - Settings Overview

The File settings for the application recordings and logs are shown in the section (marked as **Number 5**). It contains the path where the recording files of an application shall be stored and what the size properties are.

In the Area (marked as **Number 6**), all device settings are grouped. The section only shows the settings for devices that are needed for the installed applications. Each connection section also contains a '**Test**' button for the given connection. The result of the test is displayed by changing the background color of the connection setting of the device.

The general settings (marked as **Number 7**) for the application are shown under the device settings.

At the end of this view, you can find the button section (marked as **Number 8**). These buttons control the saved settings. If there was a change, the '**Save**' and '**Cancel**' buttons are enabled for interaction.

When attempting to leave the settings page, you may encounter various error messages that prevent you from doing so. One common issue is a problem with the current settings (see *Figure 42 - Validation error for the current settings*). These issues are indicated by an error icon displayed in front of the relevant input field.

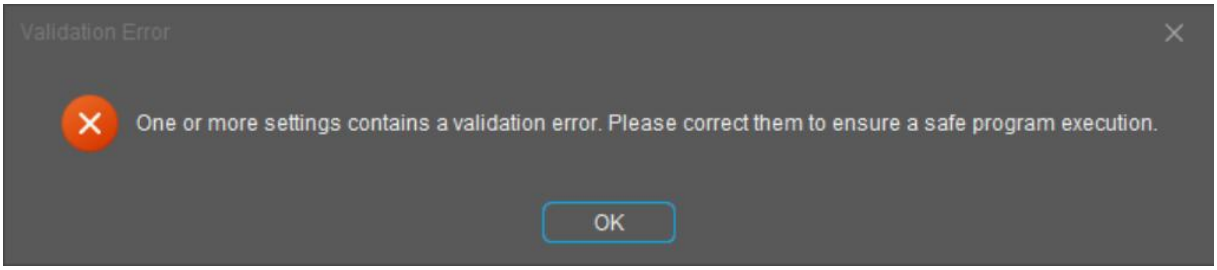

Figure 42 - Validation error for the current settings

For editing any setting you have a separate input field where you either can directly edit the value or have simple edit for the changes. One Exception is the edit for the “Recording Path”. Therefore you have a button “**…**” for editing the folder for the recording files. After pressing on the button you will encounter the dialog (see *Figure 43 - Dialog for Recording Path selection*) where you can select the folder you wish. Afterwards you have to confirm your selection by pressing “**Ok**”.

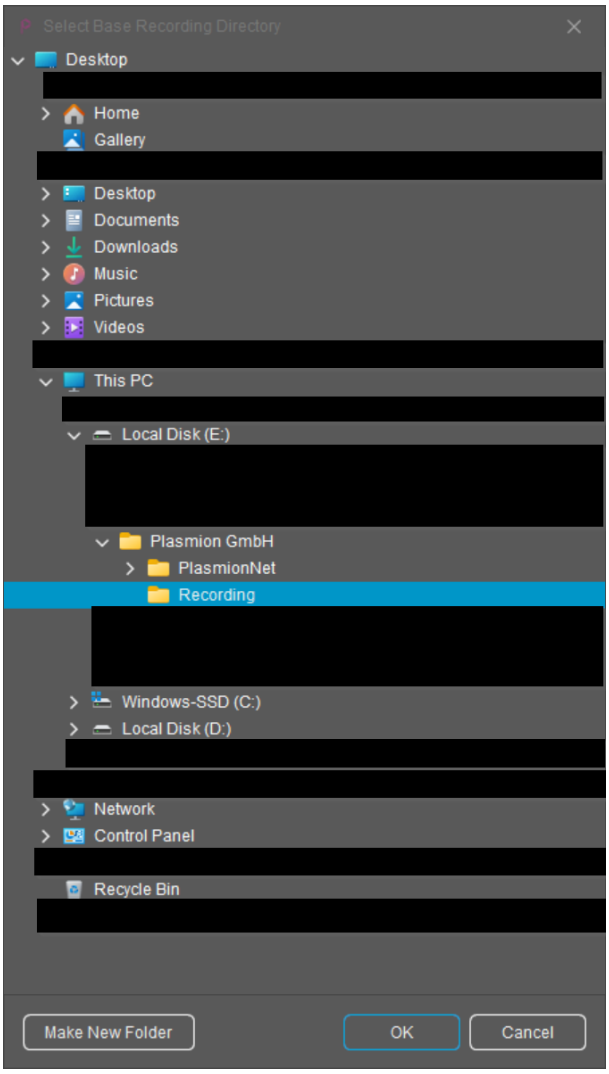

Figure 43 - Dialog for Recording Path selection

10.1. Save

The 'Save' button is enabled if you have made at least one change to the previous settings. Before the settings are saved, you will be prompted to confirm the changes (see *Figure 44 - Request to save and restart*). After the confirmation, the application will automatically restart.

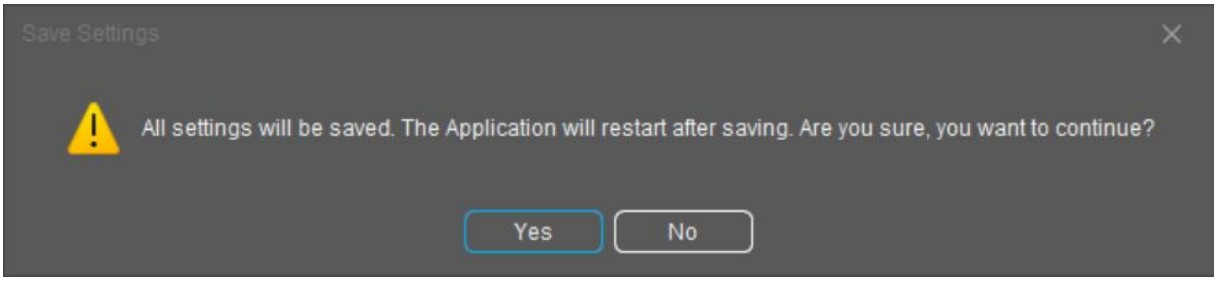

Figure 44 - Request to save and restart

If you attempt to leave the settings page with changes, you will be prompted (see *Figure 45 - Warning about unsaved changes*) to save the changes. Otherwise, the changes will be undone and not saved.

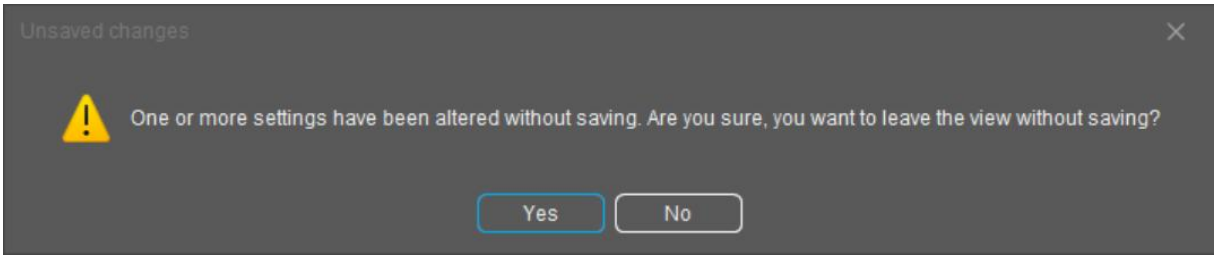

Figure 45 - Warning about unsaved changes

If there was a previous issue with a setting, you will receive an error message (see Figure 46 - Error for unsaved changes and a previous validation error) and will not be able to exit the page using the unsaved changes warning. To proceed, you must correct the validation error and then save the settings.

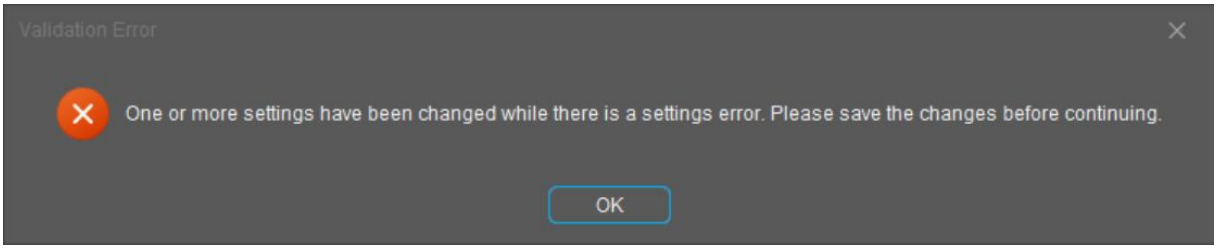

Figure 46 - Error for unsaved changes and a previous validation error

10.2. Cancel

The '**Cancel**' button is also only available when there is at least one change in the settings. It will revert all changes made after confirming the revert request (see *Figure 47 - Request to confirm cancelation*).

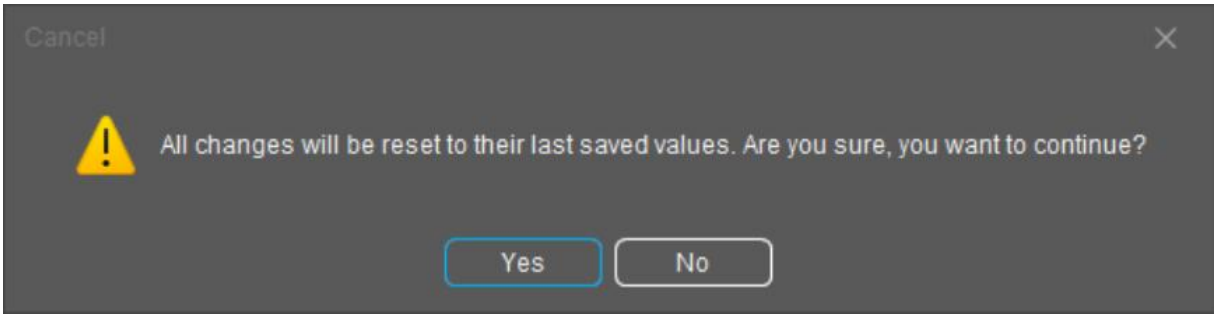

Figure 47 - Request to confirm cancelation

10.3. Reset

If you want to reset all application settings to their default values, you can use the '**Reset**' button. After confirming the request (see *Figure 48 - Request to confirm reset process*), the settings will be reset, and the application will then restart.

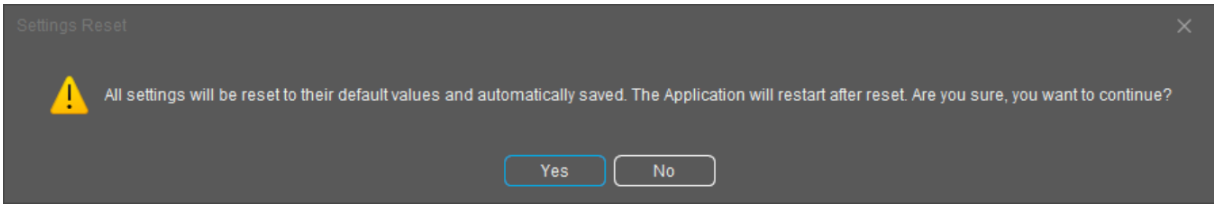

Figure 48 - Request to confirm reset process

11. Application Management

To manage the already installed applications or to add new ones, the **'Application Management'** view is available, where these tasks can be performed. In the main view (see *Figure 49 - Application Management Overview*) you have a list of all currently available applications (marked as **Number 1**) and the operation buttons for **Import**ing (marked as **Number 2**), **Delet(e)**ing (marked as **Number 3**), and generating a **Backup** (marked as **Number 4**).

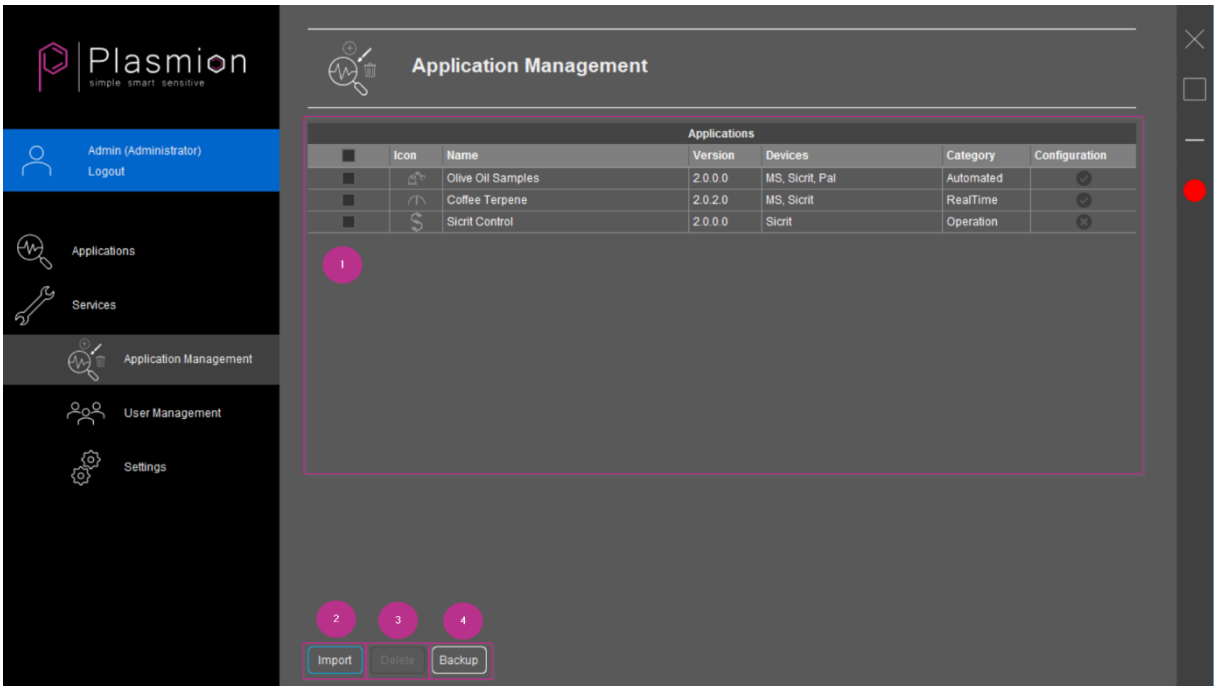

Figure 49 - Application Management Overview

"For each installed application, you can find detailed information such as the '**Version**,' the '**Category**,' the required '**Devices**,' and whether a '**Configuration**' is possible.

The applications are grouped into **'Application Packages'** (file extension: '.**pnap**'). A package always contains the library (file extension: '.**pnal**') for the '**Category**' and the application configuration (file extension: '.**pnac**').

The functionality for adding (see Chapter *Import Wizard*) and exporting (see Chapter *Export Wizard*) are explained in the linked chapters. If both wizards share a single page, the page is only displayed once and then referenced in the explanation of the other.

Each wizard page contains a navigation menu (marked as **Number 1** on *Figure 61 - Welcome page for Export Wizard* at the bottom right of the view. The '**Back**' button takes you back to the previous page. The '**Next**' button validates your input and takes you to the next page if there are no errors. If there is any validation error, you will be informed via a message box containing the error message. The '**Cancel**' button starts the abort process of the wizard.

You will receive a confirmation request (see *Figure 50 - Cancel request to end wizard*). If the request is confirmed, the wizard will be aborted, and you will be forwarded to the main view of **'Application Management.'** Otherwise, you will remain on the current page of the wizard.

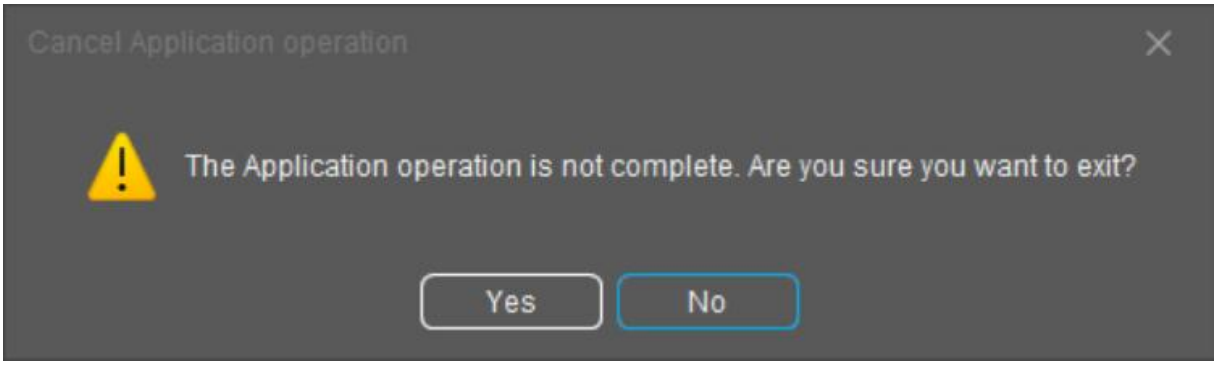

Figure 50 - Cancel request to end wizard

If you want to remove one or more applications, you must select them in the list by clicking the checkbox at the beginning of the row. After that, press the **'Delete'** button. To finalize the deletion, you must confirm the request (see *Figure 51 - Request about deletion*).

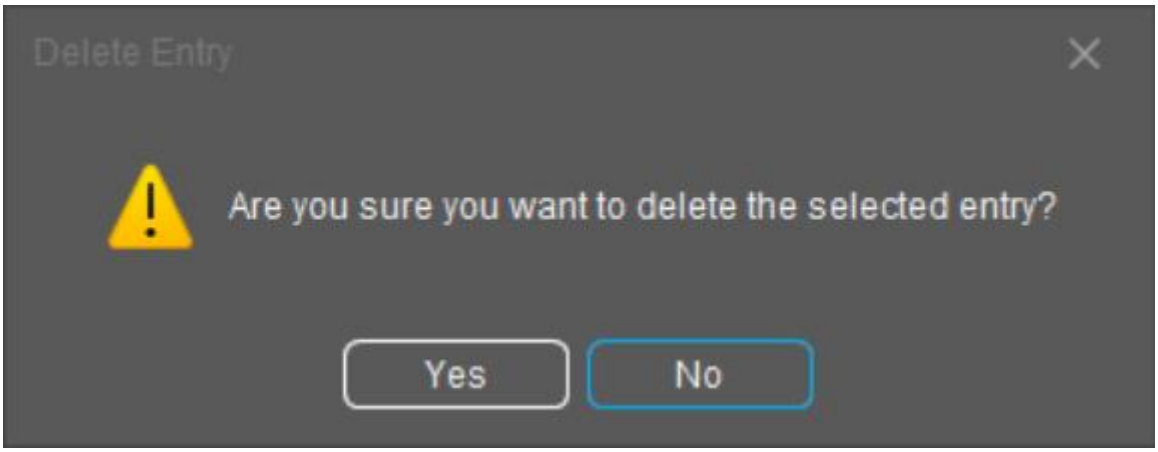

Figure 51 - Request about deletion

Afterward, the application will be reloaded, and the list will be updated. If the application library for a **'Category'** is no longer needed, the library will also be removed.

11.1. Import Wizard

The Import Wizard is used to install new application packages for your application. The application packages can contain a single application or multiple applications. The wizard is also used to update your currently installed applications.

Remarks:

The currently installed application libraries and configurations will be overwritten on your filesystem. Please be aware when installing older versions of an application, as these could affect other applications from the same application library. Also, make sure to check your personal configuration of an updated or newly installed application to ensure it still fits your personal requirements and environment.

11.1.1. Welcome Page

By pressing the '**Import**' button in the **'Application Management'** view, the wizard for adding new applications will open (see *Figure 52 - Welcome page for Import Wizard*).

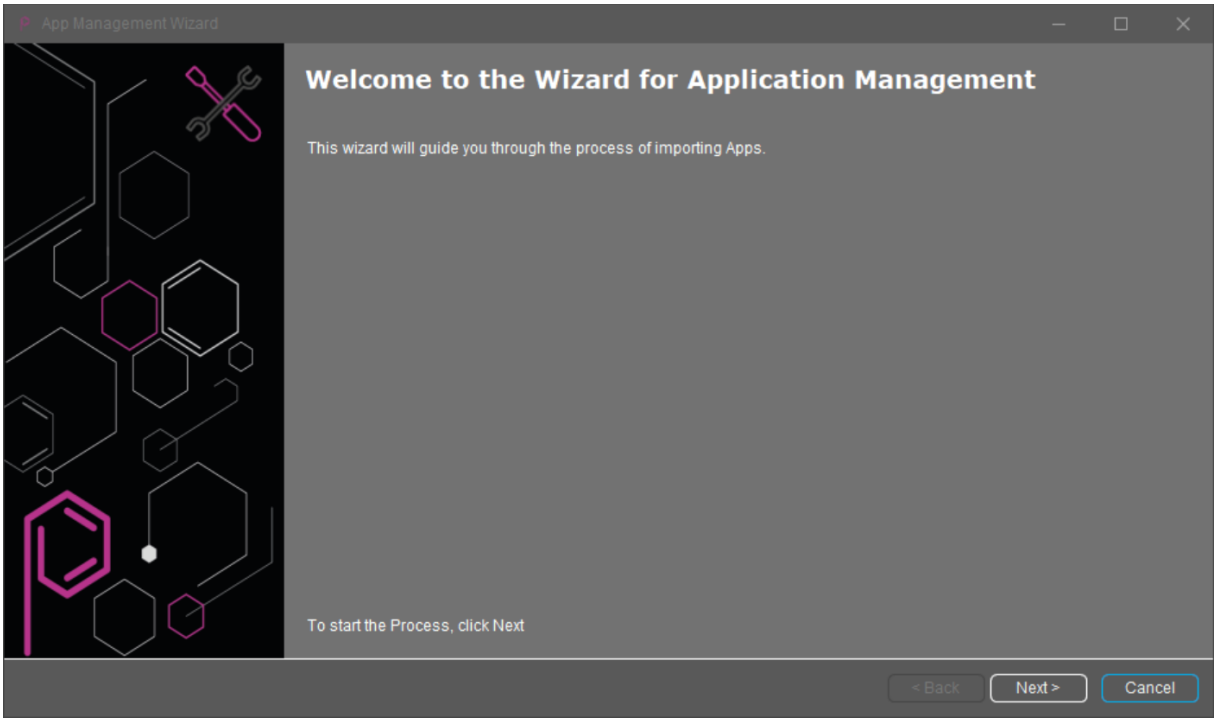

Figure 52 - Welcome page for Import Wizard

11.1.2. File Selection

The next page is the 'File Selection' (see *Figure 53 - File Selection page in application wizards*). On this page, you must select the application package file that will be installed on your application. There is no difference between an application package that installs a completely new application or one that updates an existing application. The file path of the application package is displayed in the input field (marked as **Number 1**) at the top of the view.

Remarks:

The file path displayed at the beginning of the wizard does not need to exist. It is only a default value.

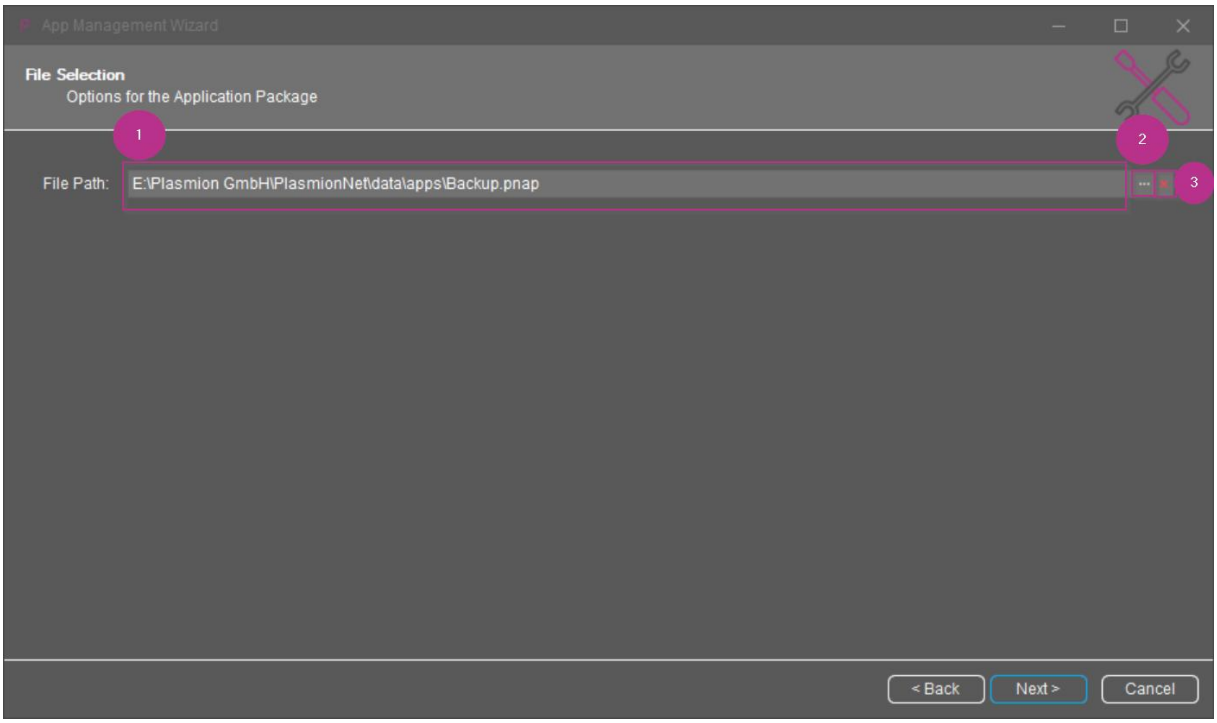

Figure 53 - File Selection page in application wizards

The '**x**' button (marked as **Number 3**) clears the currently entered file path from the input field. To select a new file, you must click on the '**…**' button (marked as **Number 2**) next to the input field. Afterward, the dialog *Figure 54 - Open file dialog for application package* will open, and you can navigate to the file you want to import.

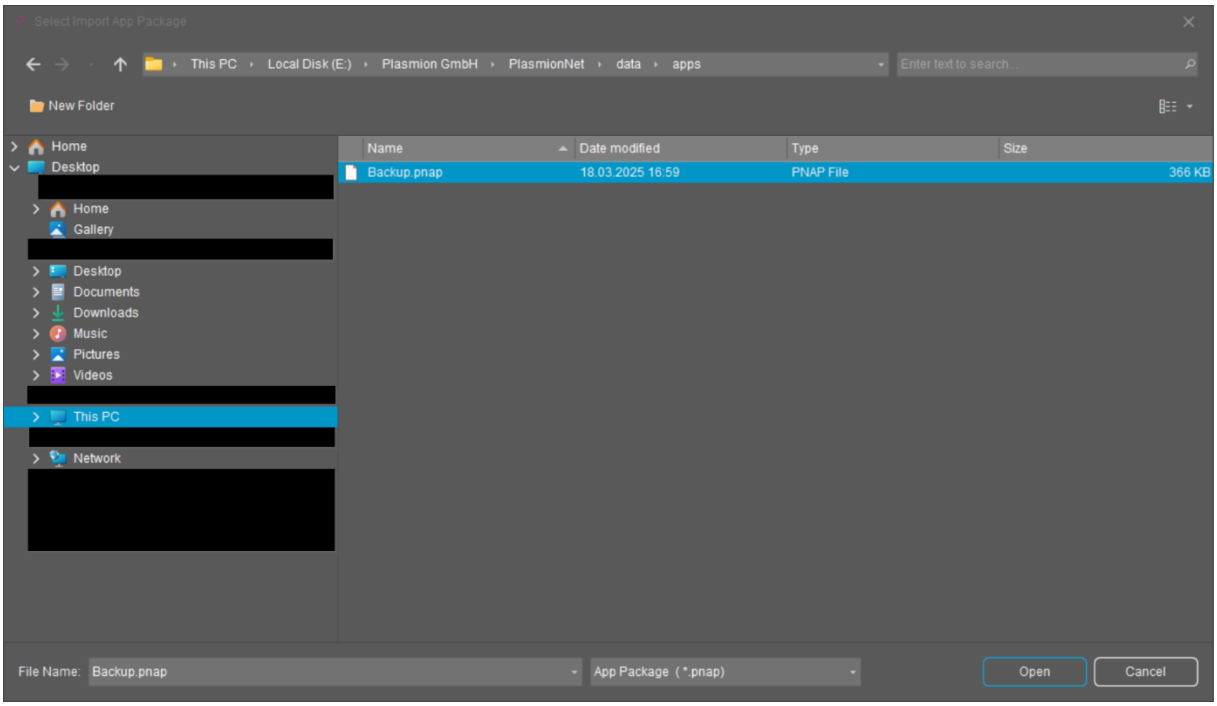

Figure 54 - Open file dialog for application package

If you try to continue without a selected file, you will receive the error message *Figure 55 - Warning no application packaged chosen*.

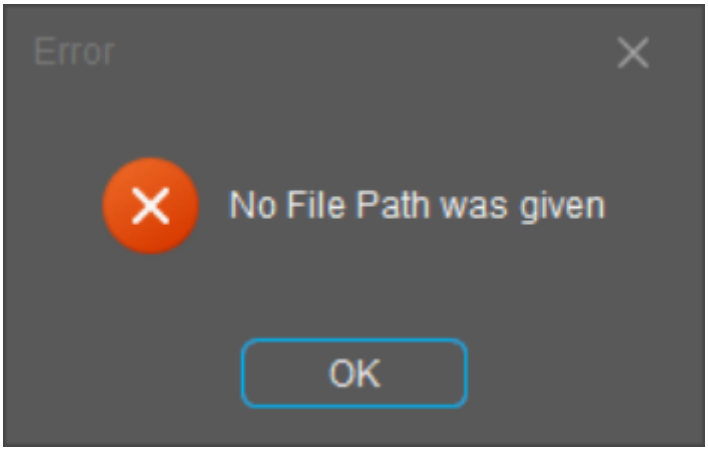

Figure 55 - Warning no application packaged chosen

11.1.3. Application selection

Afterward, once the file selection is made, all applications contained in the package will be displayed on this page.

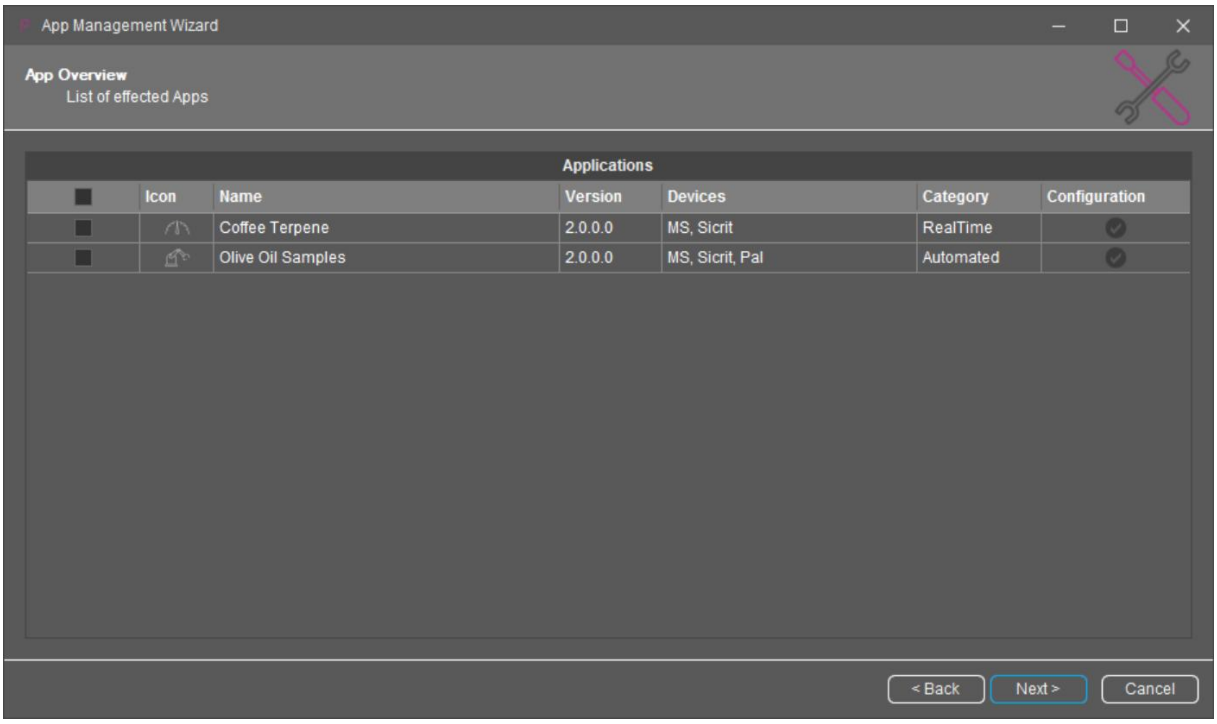

Figure 56 - Contained apps of selected packages

Here, you select all the applications that should be installed or updated in your application. To select an application, you must check the box at the beginning of the row.

Note:

If you want to select all applications, you can click on the check box in the header of the table.

If you do not select any application, you will receive an error message (see *Figure 57 - Warning about no selection of an import app*) while trying to continue.

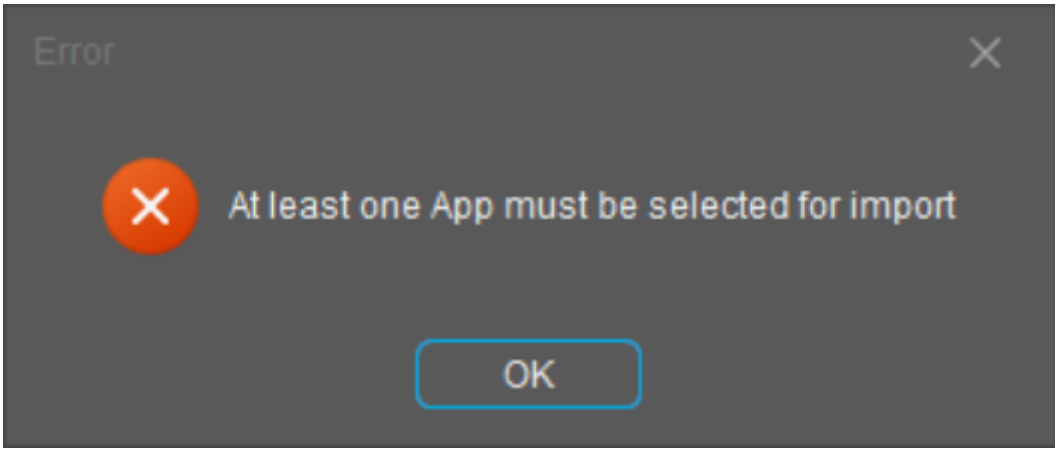

Figure 57 - Warning about no selection of an import app

11.1.4. Summary

After all the information and selections have been made, a summary of all actions is generated and displayed. If you are not satisfied with the information, you can navigate back to the previous pages and correct it. If everything meets your expectations, you can start the execution by clicking **'Next'.**

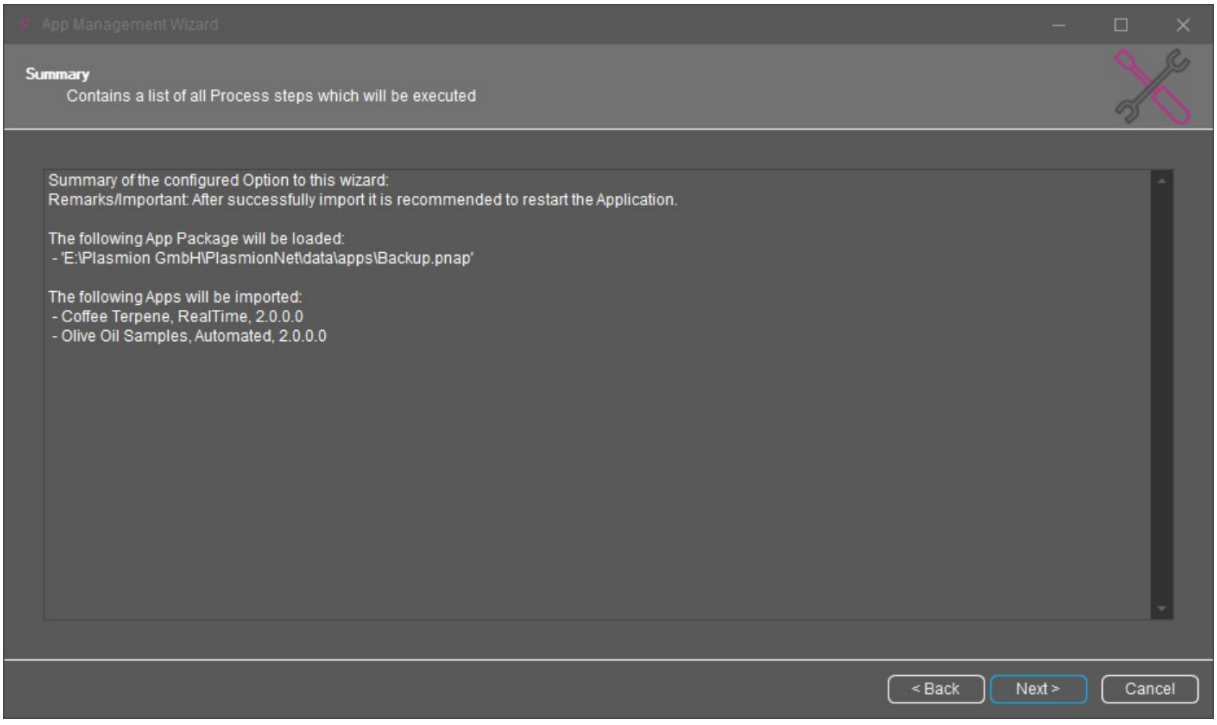

Figure 58 - Summary for import process

11.1.5. Execution

On this page, you can follow the progress of the installation or update process of your application. If any error occurs during the process, it will be displayed at the end of the progress list, and the process can only be canceled.

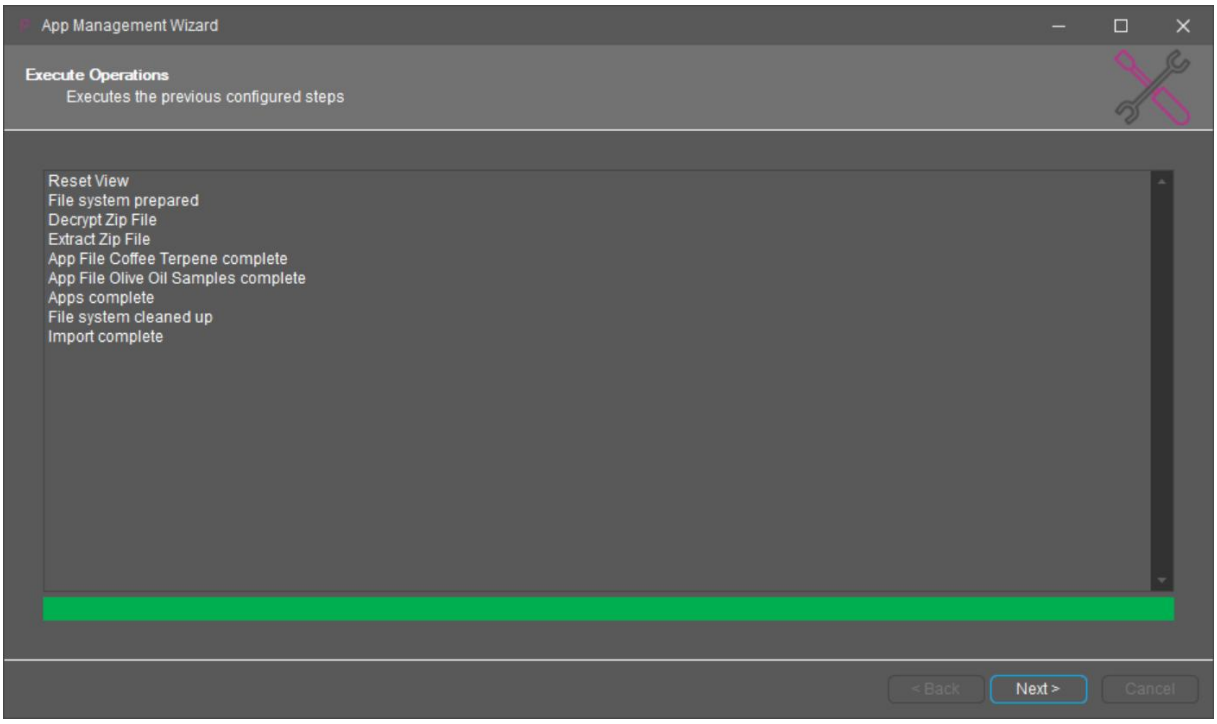

Figure 59 - Execution of import process

11.1.6. Finish

After the successful installation or update process, you will receive the final page of the wizard. You can confirm the installation by clicking the '**Finish**' button.

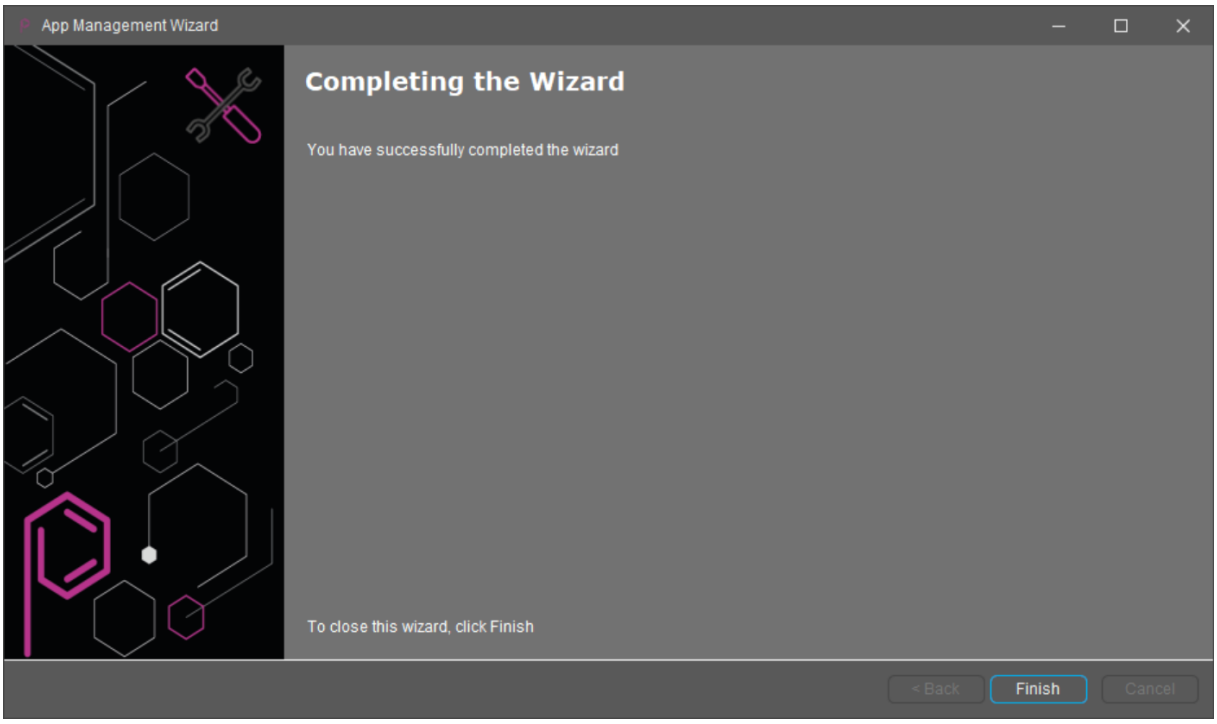

Figure 60 - End page of Wizard

!!Attention:!!

It is recommended to restart the application after any successful installation or update. Only a restart ensures that the new application is loaded correctly and prevents any potential side effects.

11.2. Export Wizard

The Export Wizard is designed to create a backup of all your currently installed applications.

Remarks:

This backup file can only be reinstalled on the same computer where it was created.

11.2.1. Welcome Page

By pressing the '**Export**' button in the '**Application Management**' view, the wizard for creating a backup will open (see *Figure 61 - Welcome page for Export Wizard*).

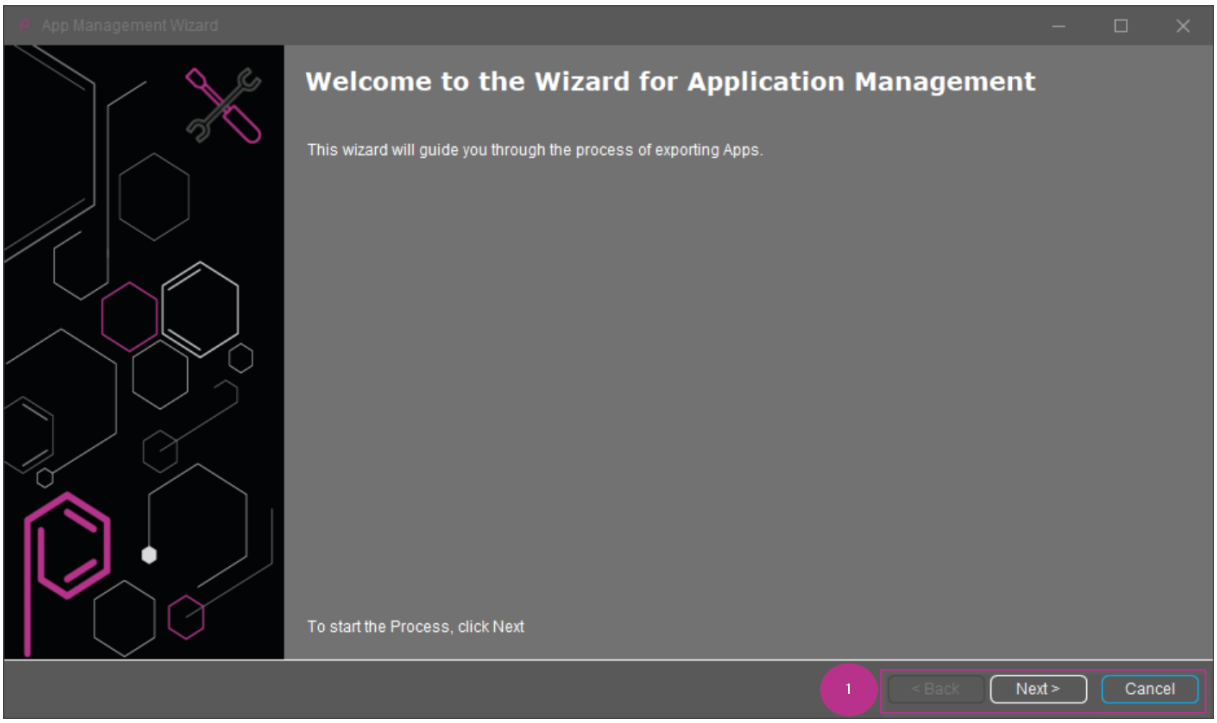

Figure 61 - Welcome page for Export Wizard

11.2.2. Application List

On the following page, all installed applications are listed that will be included in the backup file.

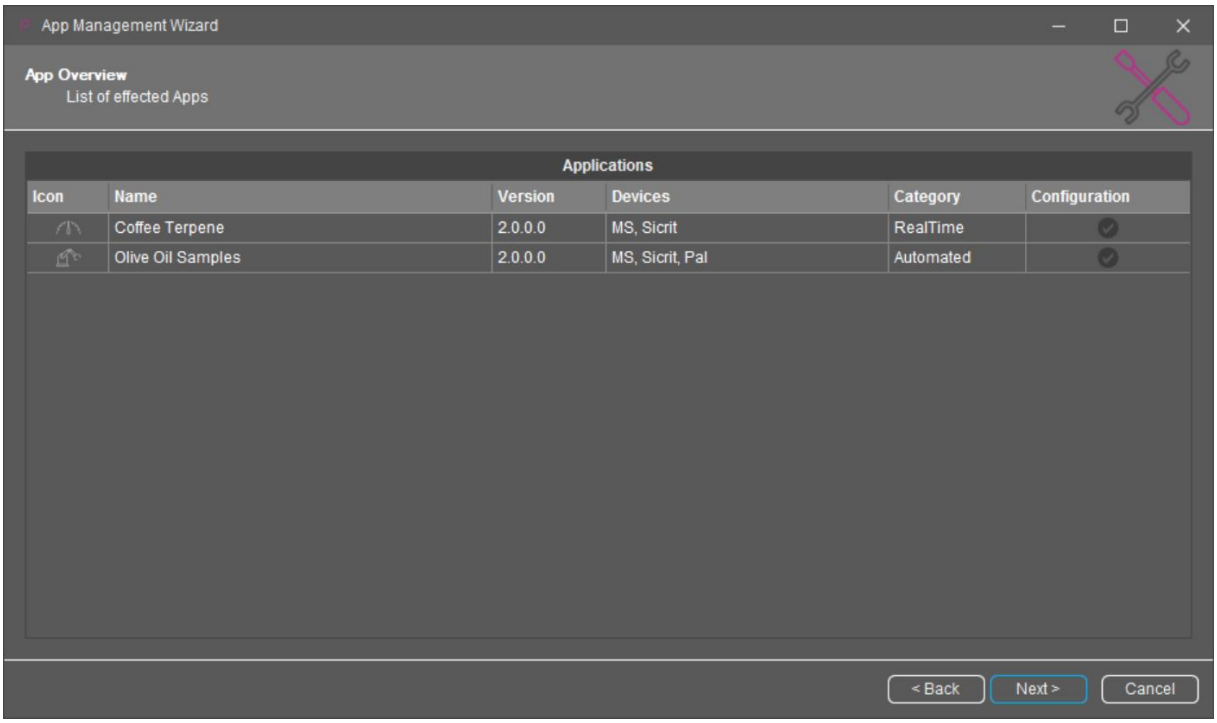

Figure 62 - App list for export

11.2.3. File Selection

After the overview, the page for file selection (see *Figure 53 - File Selection page in application wizards*) will open. When you press the '**...**' button, the save file dialog (see *Figure 63 - Save file dialog for export package*) will open, allowing you to choose the file name and the path where the backup file should be saved.

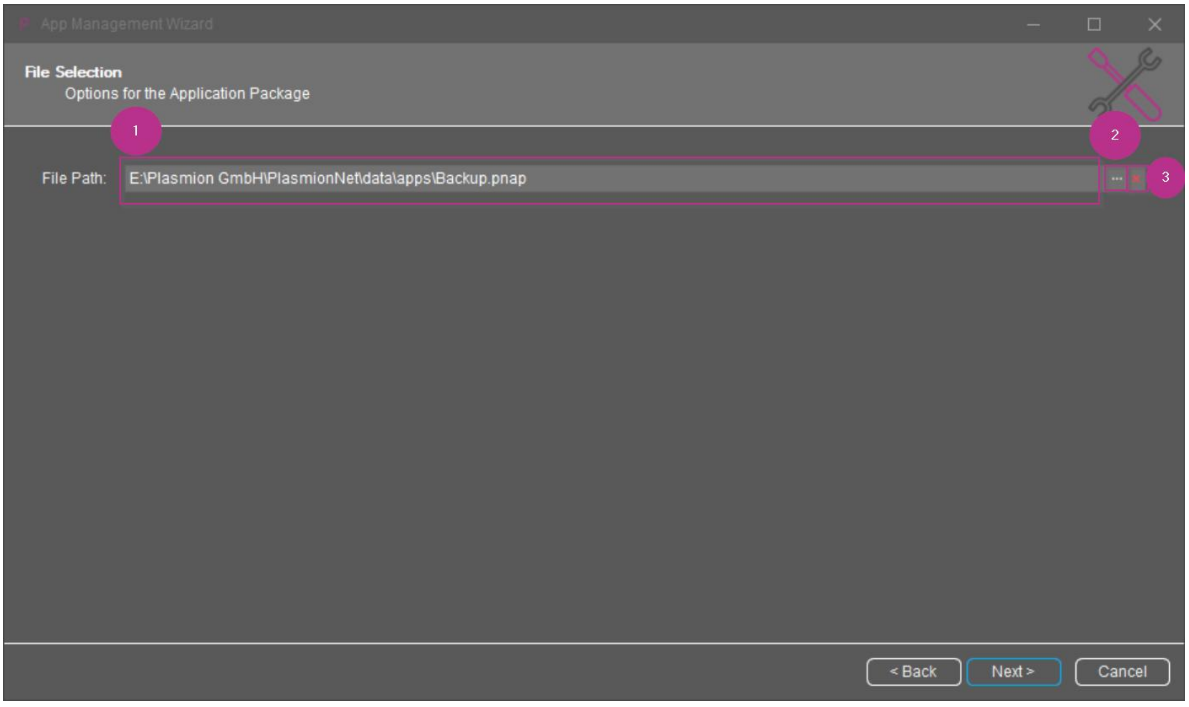

Figure 63 - Save file dialog for export package

11.2.4. Summary

Afterward, you will see a summary of the applications to be exported and the file path where your backup will be saved. If you are satisfied with the settings, you can proceed with the execution by clicking “**Next**”.

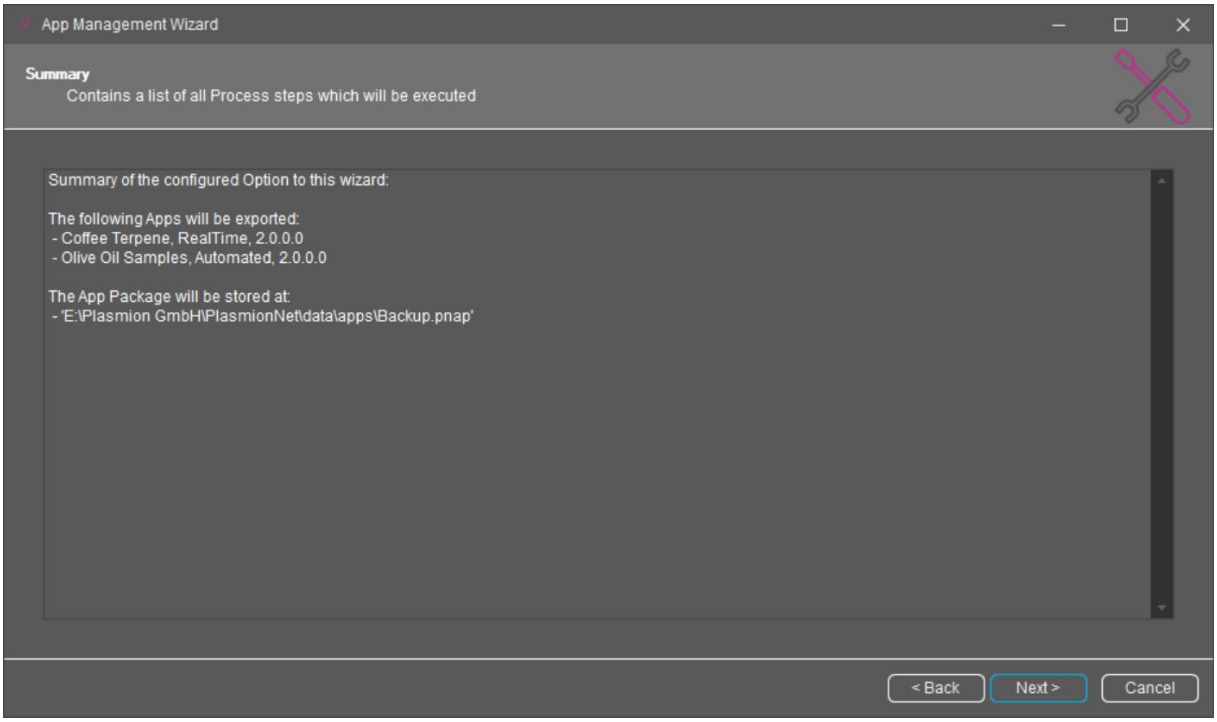

Figure 64 - Summary for export process

11.2.5. Execution

This page displays the current execution step. If any errors occur, they will be listed at the end, and the process can only be canceled.

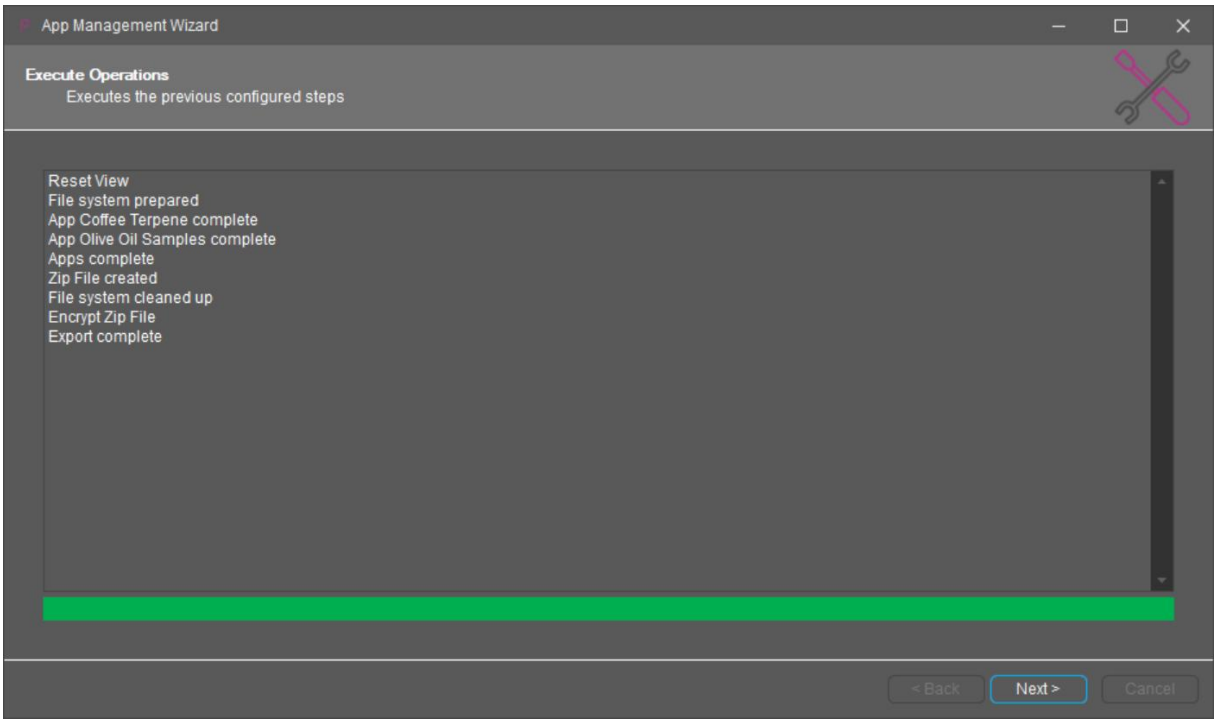

Figure 65 - Execution of export process

11.2.6. Finish

If each step is executed successfully, the final page of the wizard will be displayed. It follows the same layout as shown in *Figure 60 - End page of Wizard*. You can now complete the process by clicking '**Finish**' and saving your backup file.

12. User Management

Our software includes its own user management system. You can access it by clicking on the **'User Management'** menu entry under the **'Services'** option. The start page displays a list of all currently available users who have access to the software (marked as **Number 4**), along with the menu operations for interaction (see *Add User*, *Remove User*, *Change Password*).

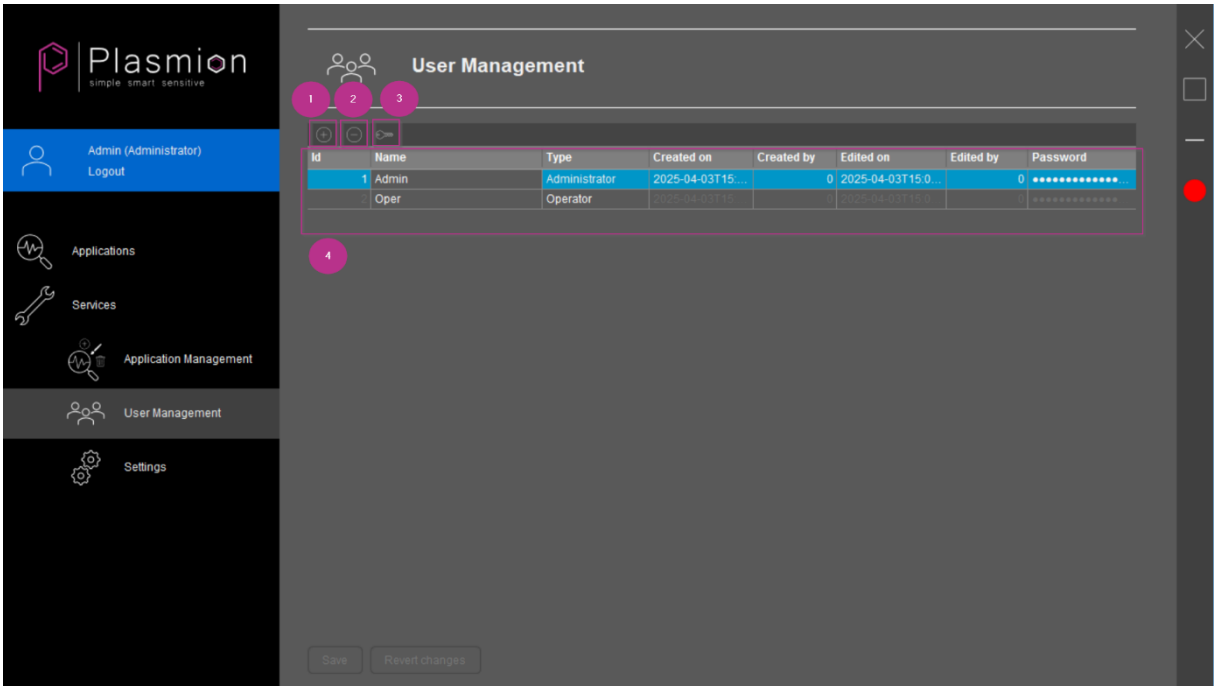

Figure 66 - User Management Overview

In the user list, you will find detailed information for each user such as the '**Name**', '**Type**', and the creation/update details. We support two types of users: an '**Operator**' type and an '**Administrator**' type.

The '**Operator**' type is intended for users who execute the different applications and do not need to perform any configurations.

The '**Administrator**' type is intended for managing and configuring the host container. Of course, Administrators can also execute applications, but their primary role is focused on management rather than execution.

Note:

At least one user account of the type '**Administrator**' is required. Otherwise, the user list cannot be saved.

12.1. Add User

With the small 'Plus' Icon (marked as **Number 1**), you can create a new user, which will be automatically added to the list (marked as **Number 4**). The ID will be incremented by the system, and you can enter the new '**Name**' and the '**Type**' for the user. To define the password, please look at *Change Password*.

12.2. Remove User

If you press the 'Minus' Icon (marked with **Number 2**), the deletion process for the currently selected user will be initiated. You must confirm the request (see *Figure 51 - Request about deletion*), and afterwards, the user list will be updated.

Remarks:

The deletion will be finalized when the user list is saved to the file system (see Chapter *Save*).

12.3. Change Password

As Administrator, you are allowed to change the passwords for other users, and of course, your own. The process is initiated by pressing the '**Key**' Icon (marked as **Number 3**). After that, the dialog (see *Figure 67 - Change Password Dialog*) will open, and you can enter the new values. During the Process of changing a password, there are two requirements:

- You must know the old password, otherwise you receive an error message (see *Figure 68 - Warning about wrong old password*).
- Both input fields for the new password must match, otherwise, you will receive an error message (see *Figure 69 - Warning about mismatching passwords*).

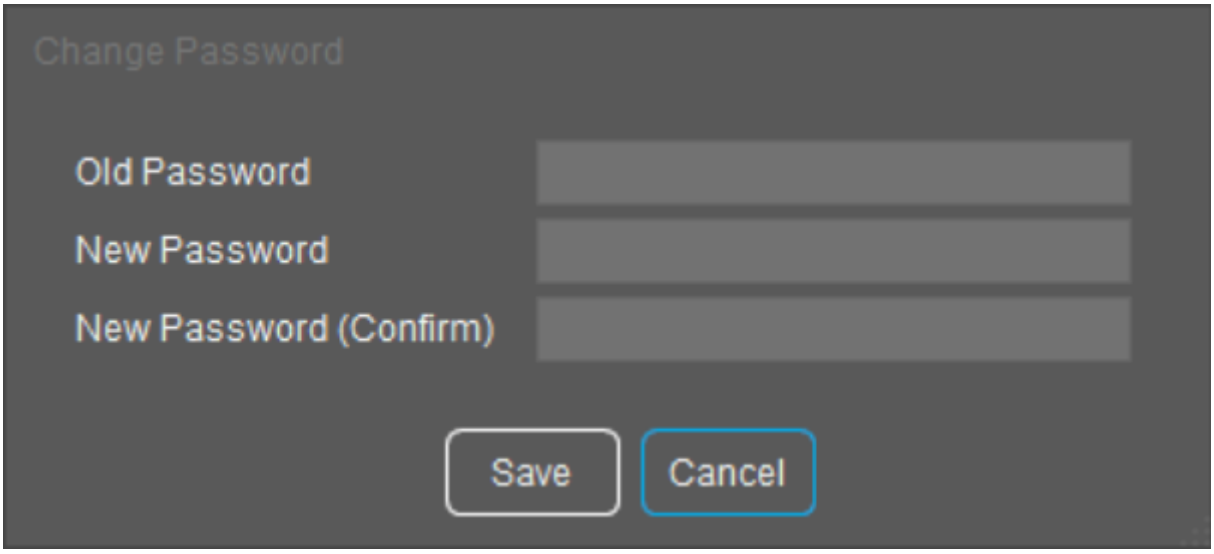

Figure 67 - Change Password Dialog

Note:

The default password for a new user is ‘**NewUser**’.

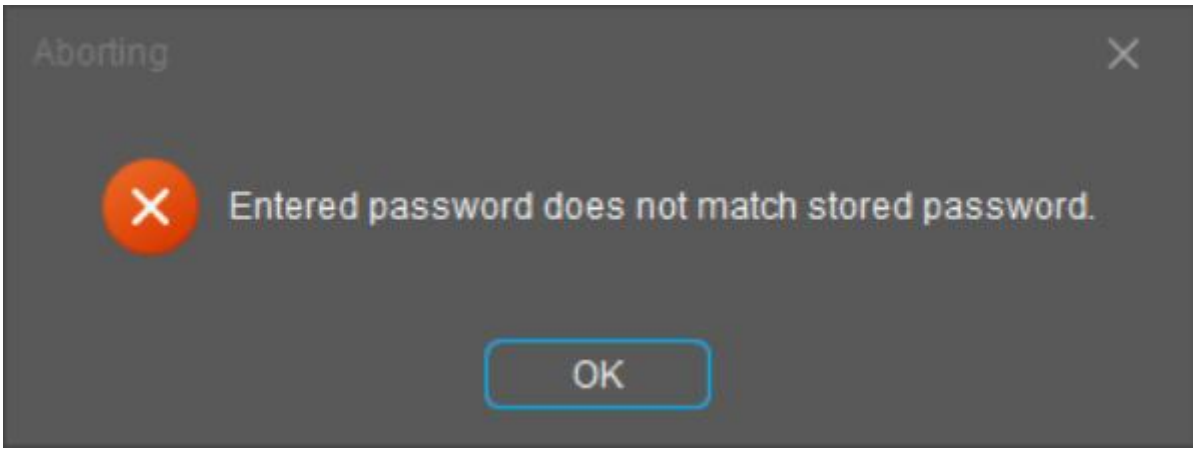

Figure 68 - Warning about wrong old password

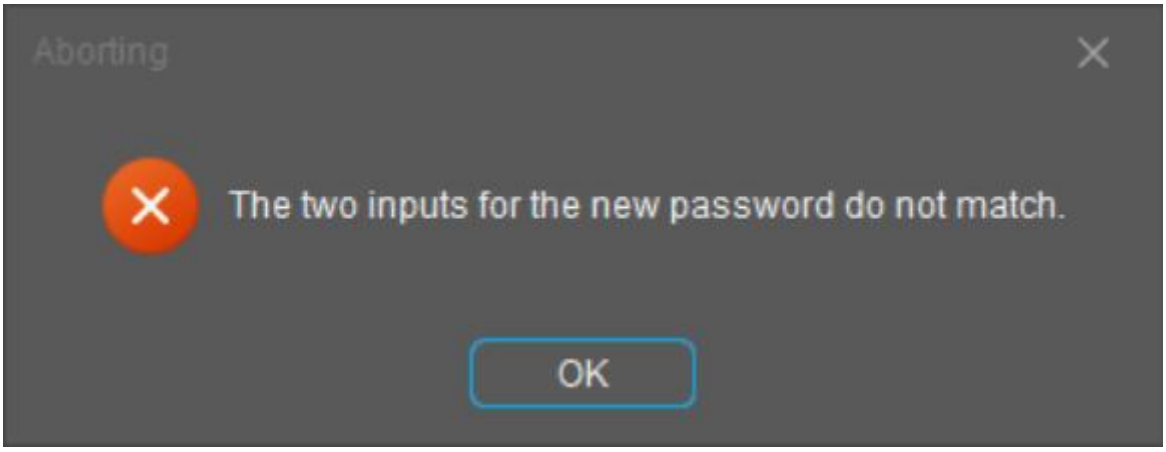

Figure 69 - Warning about mismatching passwords

12.4. Save

To confirm all changes or deletions, you must '**Save**' the user list. To do this, press the '**Save**' button at the bottom of the view. Then, all changes are written to the user files on your file system. If you try to leave the view while there is at least one change made, you will receive a request (see *Figure 70 - Request for unsaved changes*) to confirm the abort process.

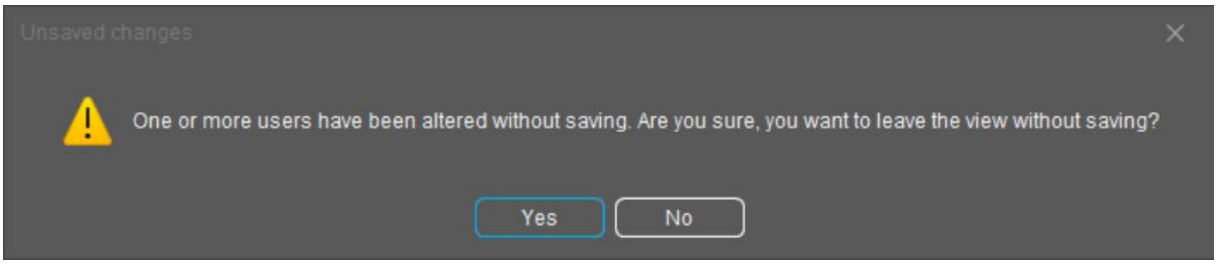

Figure 70 - Request for unsaved changes

Remarks:

After saving all changes, the user list is automatically reloaded in the background. Changes to the currently logged-in username or password will take effect after the current session ends.

12.5. Revert Changes

To reverse all changes made to all users, you can use the 'Revert Changes' button. You will receive a warning (see *Figure 71 - Request about reset of the user list*). If you confirm the request, the currently saved user file will be reloaded and displayed in the view.

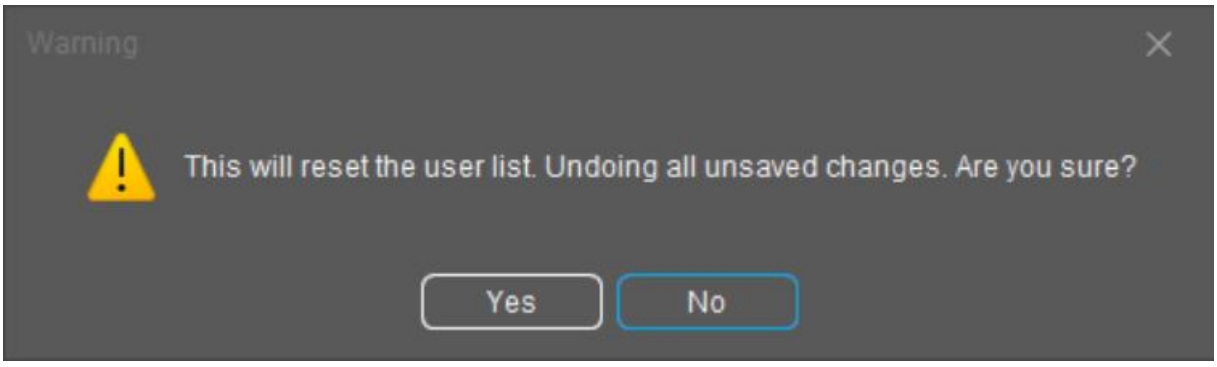

Figure 71 - Request about reset of the user list

13. Tips & Tricks

This chapter provides you with some tips and tricks for easier usage. If you have any ideas for improving the software or want to share useful tips with others, please feel free to contact us.

13.1. Shortcuts

For a shortcut, The PlasmionNet application requires two (2) control keys to be pressed simultaneously while typing a single word.

The control keys in our application are the **'Control' (Ctrl)** key (there is no difference between the left or right '**Control**' key) and the '**Alt**' key (only the left 'Alt' key is used). While holding both keys, you simply type one of the available words (see sub chapter titles).

13.1.1. Restart

This shortcut will restart the application. After the restart, the previously logged-in user will be logged back in, and the application's start page will be displayed.

14. Troubleshooting

Problem:

I receive the following message (*Figure 72 - Warning Programm already installed*) when I try to install PlasmionNet or double-click on the ".msi" file.

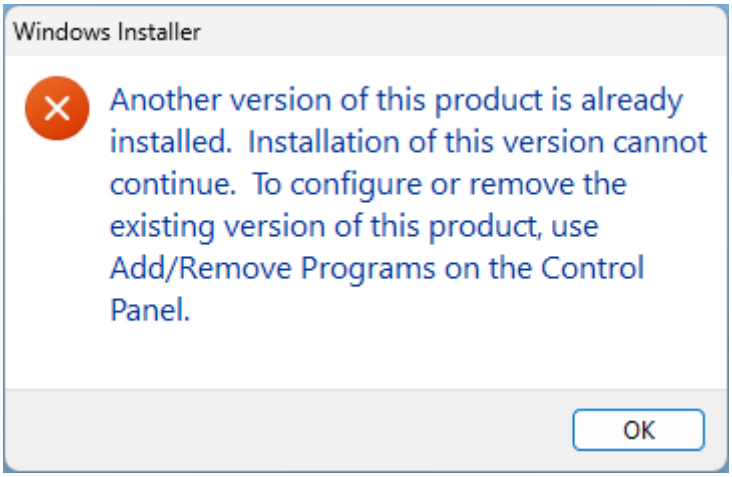

Figure 72 - Warning Programm already installed

Solution:

A previous version of PlasmionNet is either still installed or was not completely removed. You can either follow the uninstall process (described in *Remove*) or right-click on the installer file and select **"Uninstall."** This will remove all remaining files and entries, allowing you to restart the installation process (described in *Installation*).

Problem:

This request is shown when starting the application.

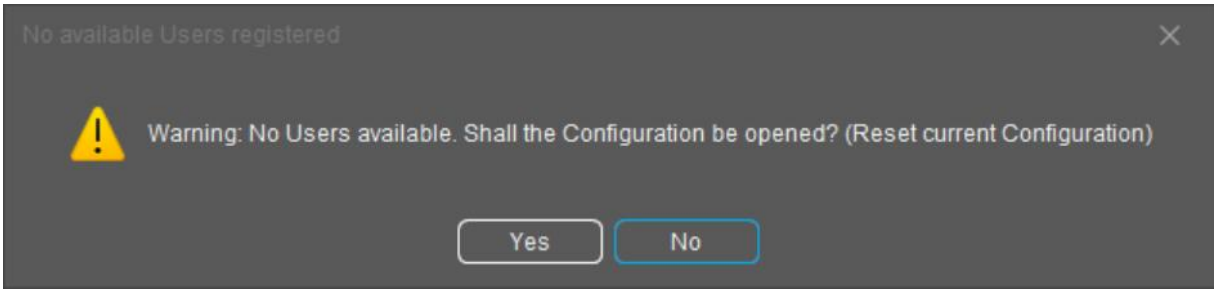

Figure 73 - Request to open the Wizard

Solution:

The application could not find the user configuration file. Please confirm the request to restart the configuration wizard.

Problem:

When I try to start the PlasmionNet application, the following error message is shown.

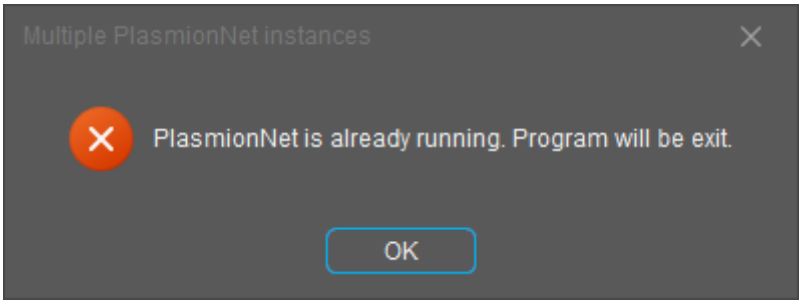

Figure 74 - Warning multiple instances of Application

Solution:

There are multiple instances of the PlasmionNet application running. Please close all open windows and try again. If the message persists, please check the **Task Manager** to end all processes related to the PlasmionNet application.

Problem:

When I try to start the PlasmionNet application, the following error message is shown.

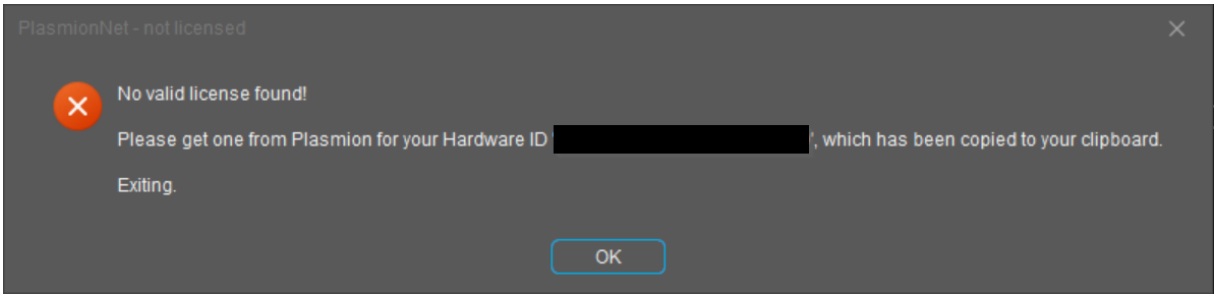

Figure 75 - Warning about missing license file

Solution:

No valid license file was found for the application. Please contact your designated Plasmion representative or use the general contact options. If you still have a valid license file, you can copy the license file into the root directory of the application.

Problem:

You forgot your credentials for log-in into the application.

Solution:

Please contact your software Administrator so they can change your password. If you are the Administrator of the application, please contact your designated Plasmion representative or use the general contact options. A Plasmion support manager will assist you in resetting your password.

Problem:

After selecting the new app package for import, the following messages pops up after pressing '**Next**'.

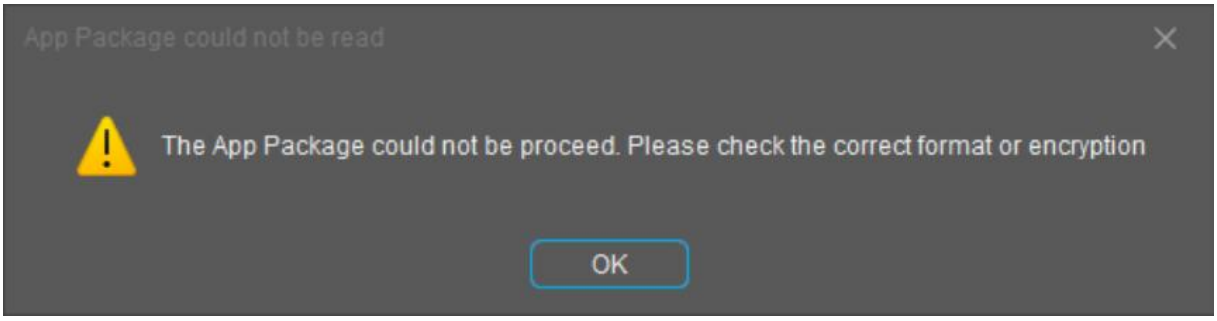

Figure 76 - Warning about wrong encrypted app package

Solution:

The selected file does not match the correct encryption options for your local container. Please ensure you have selected the correct file. If the problem persists, please contact your designated Plasmion representative or use the general contact options to receive the app package with your encryption key.

Problem:

After pressing start in the app, I receive the following message.

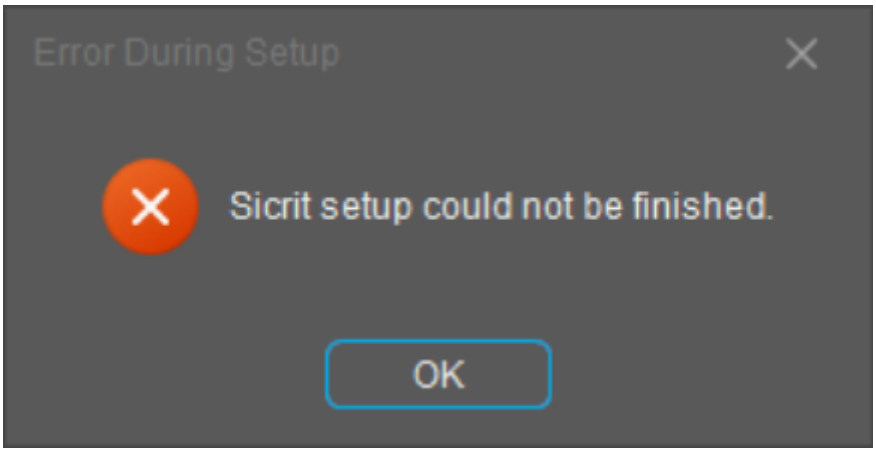

Figure 77 - Error for Sicrit setup

Solution:

The preparation of the operating values for the SICRIT® device could not be completed. There are multiple possible reasons for this issue. You can try the following steps:

- Wait 30 seconds and try the operation again.
- Close the application and reopen it.
- Restart the application.
- Restart the SICRIT® device.

15. Enclosure

Section which contains addition data or technical sheets.

15.1. Computer Requirements

- Hardware (Required)
  - 4-Core CPU with 3.8 GHz with GPU Chip
  - 16 GB RAM (DDR4-3200)
  - 1 TB SSD
  - 2 Network Ports (only if a HaVoc System is used)
    - 1 for internal House Network
    - 1 for the HaVoc Network (192.168.254.X)
  - 500 W PSU
- Hardware (Recommend)
  - 6-Core CPU with 3.8 GHz with GPU Chip
  - 32 GB RAM (DDR4-3200)
  - 2 TB SSD
  - 2 Network Ports (only if a HaVoc System is used)
    - 1 for internal House Network
    - 1 for the HaVoc Network (192.168.254.X)
  - 650 W PSU
- Optional
  - RAID 1 System with 4 TB Storage
- Software
  - Windows 11
  - .NET Framework 3.5 (includes .NET 2.0 and 3.0)
  - .NET Framework 4.7.2
  - Browser
  - TeamViewer (for supporting cases)

- Firewall
    - 80 Hurrycane (if used)
    - 502 Sicrit
    - 5938 TeamViewer (for supporting cases)
    - 6002 Mass Spectrometer (if used)
    - 8080 Hurrycane (if used)
    - 64001 Pal Automation Robot (if used)
    - Internetaccess (for supporting cases)
- User
    - 1 User Account with Local Administration Privilege on the Computer