

Supplementary documentation for the Bosch OSSO-SO Configurator tool

Issue **Defining an OSS-SO site in a third-party configuration tool**
Topic Using the Allegion OSSMobile tool

Overview

Before they can be mapped into a Bosch access control system (ACS), the main parameters of an OSS-SO locking system (also known as an OSS-SO "site") must be defined in the manufacturer's own configuration tool.

Here we use the Allegion OSSMobile application.

- This tool exports a configuration in the form of an XML file, to form the foundation of the Bosch OSS-SO configuration.
- The person responsible for configuring OSSO in the Bosch ACS imports the XML file into the Bosch OSSO Configurator tool, and adds to it those details that the Bosch ACS requires.

Prerequisite hardware and software

- The Allegion OSSMobile Application
- USB radio stick or NFC in a USB port of the computer where the OSSMobile application is running.

Defining an OSS-SO locking system with the OSSMobile application

Introduction

We define a basic OSS-SO locking system (also known as a "site") and export it to an XML file for further processing in the Bosch OSSO Configurator tool.

Configuring the application for MIFARE DESfire cards

1. Start the OSSMobile application

From
BT/PAA

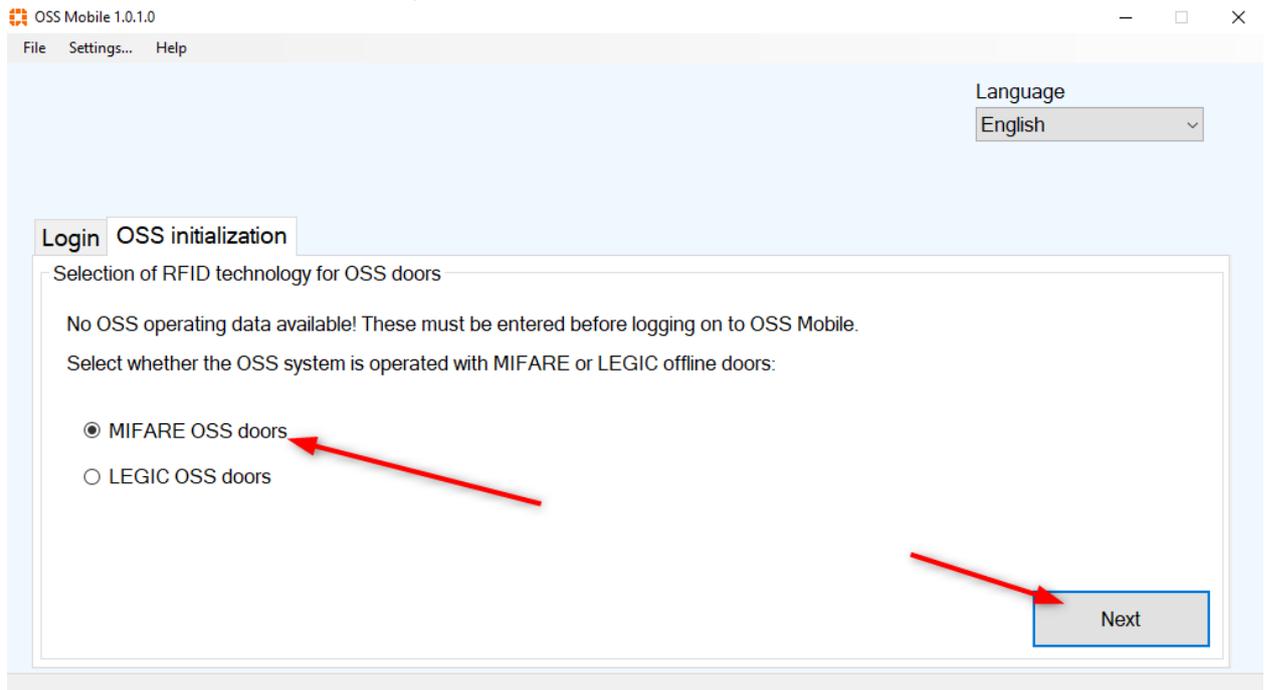
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2. On the OSS initialization tab, select MIFARE OSS doors and click **Next**



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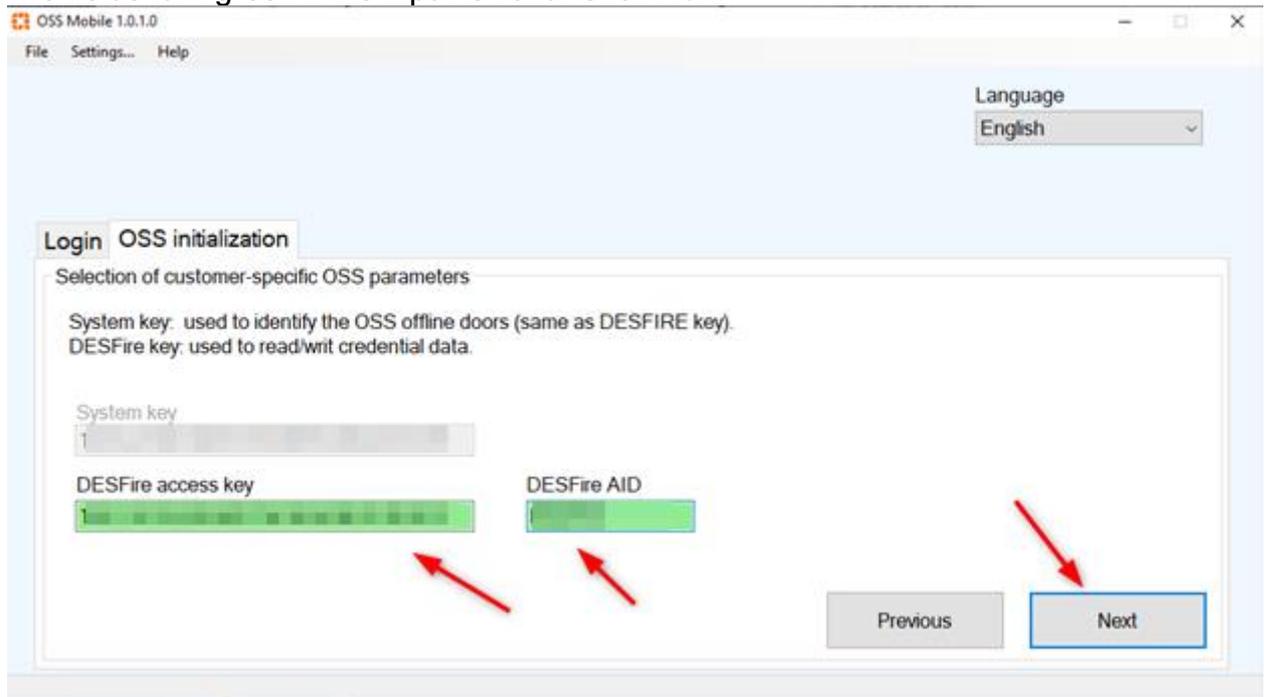
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3. Enter the DESFire access key and the DESFire AID without the hex prefix 0x. The two fields turn green if the input is valid. Click **Next**



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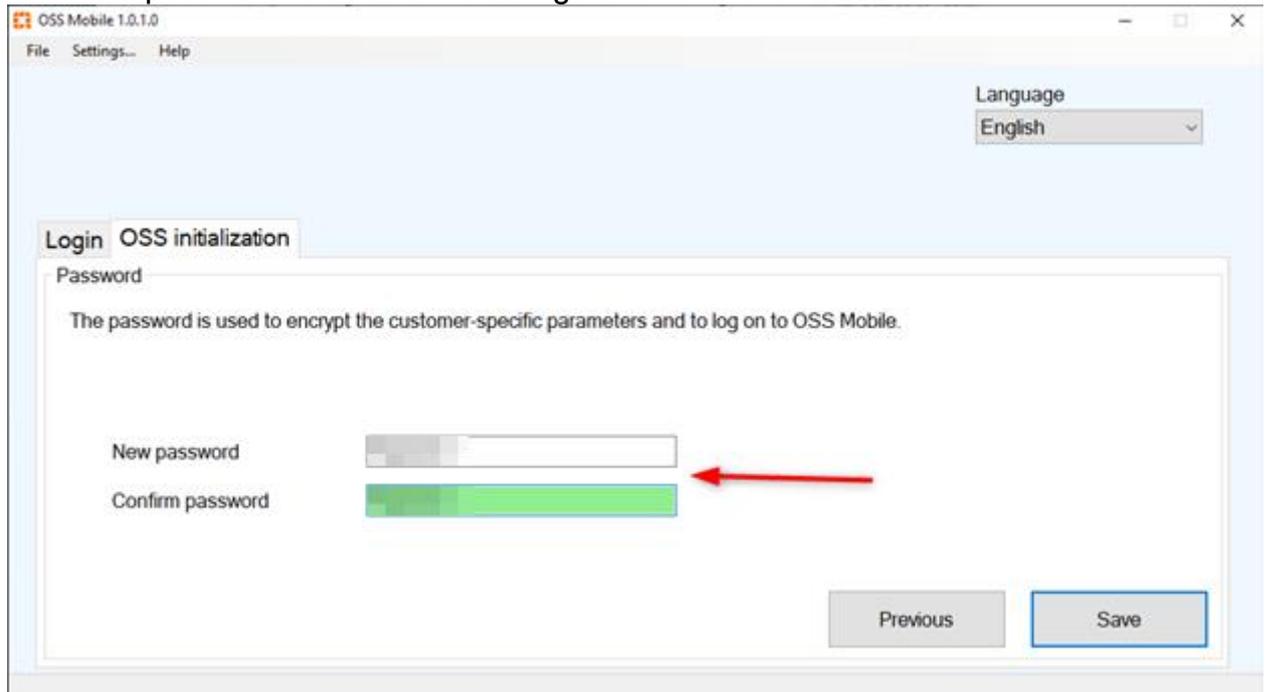
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4. Define a password to secure the configuration and click **Save**



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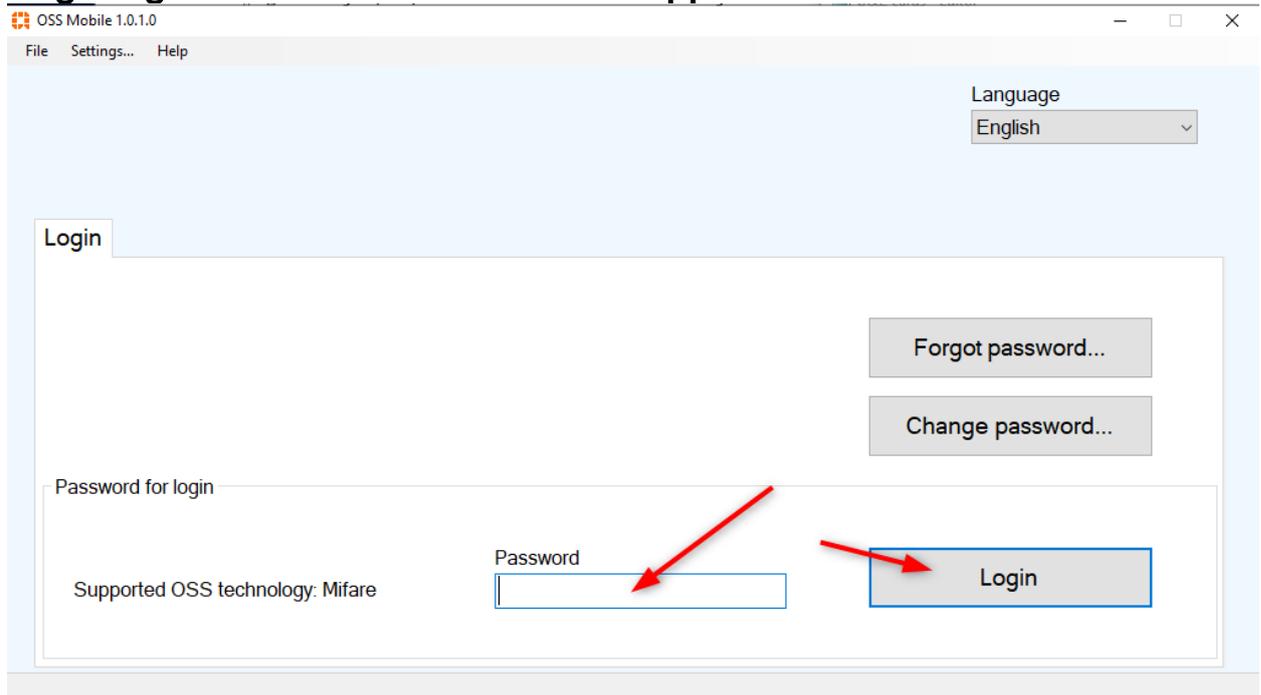
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Configuring locks with the OSSMobile application



1. Start the installed and configured OSSMobile App
2. Enter the password that you set for this configuration in the previous section.
3. Connect the NFC USB transmitter to PC and hold the reader in front of Allegion reader

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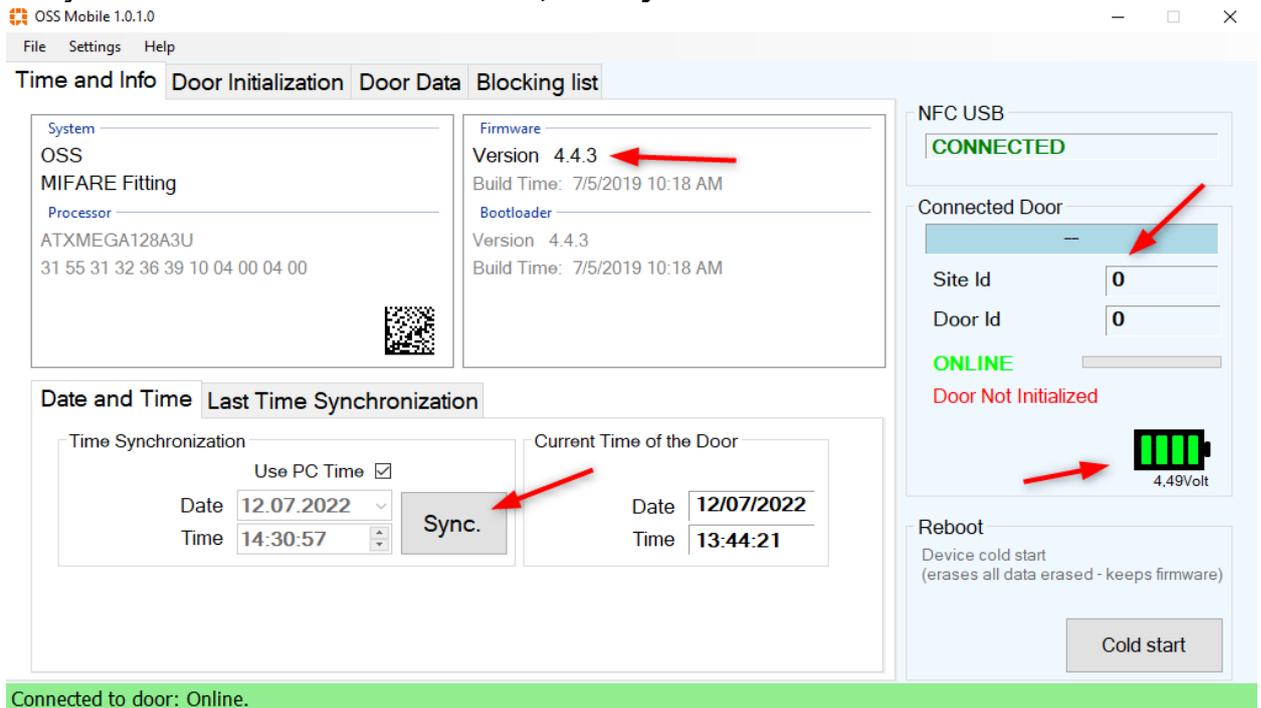
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4. The **Time and Info** tab shows the lock firmware, the door configuration and the current battery state and time.

To synchronize the PC time with the lock, click **Sync.**



The screenshot shows the OSS Mobile 1.0.1.0 application interface. The 'Time and Info' tab is active, displaying system information, firmware details, and door configuration. Red arrows highlight the 'Version 4.4.3' in the Firmware section and the 'Sync.' button in the Date and Time section. The right sidebar shows 'NFC USB' as 'CONNECTED', 'Connected Door' as 'ONLINE', and a battery level of 4.49Volt. A 'Cold start' button is visible at the bottom right.

System	Firmware
OSS	Version 4.4.3
MIFARE Fitting	Build Time: 7/5/2019 10:18 AM
Processor	Bootloader
ATXMEGA128A3U	Version 4.4.3
31 55 31 32 36 39 10 04 00 04 00	Build Time: 7/5/2019 10:18 AM

Date and Time	Last Time Synchronization	Current Time of the Door
	Use PC Time <input checked="" type="checkbox"/>	
Date	12.07.2022	Date 12/07/2022
Time	14:30:57	Time 13:44:21

Connected to door: Online.

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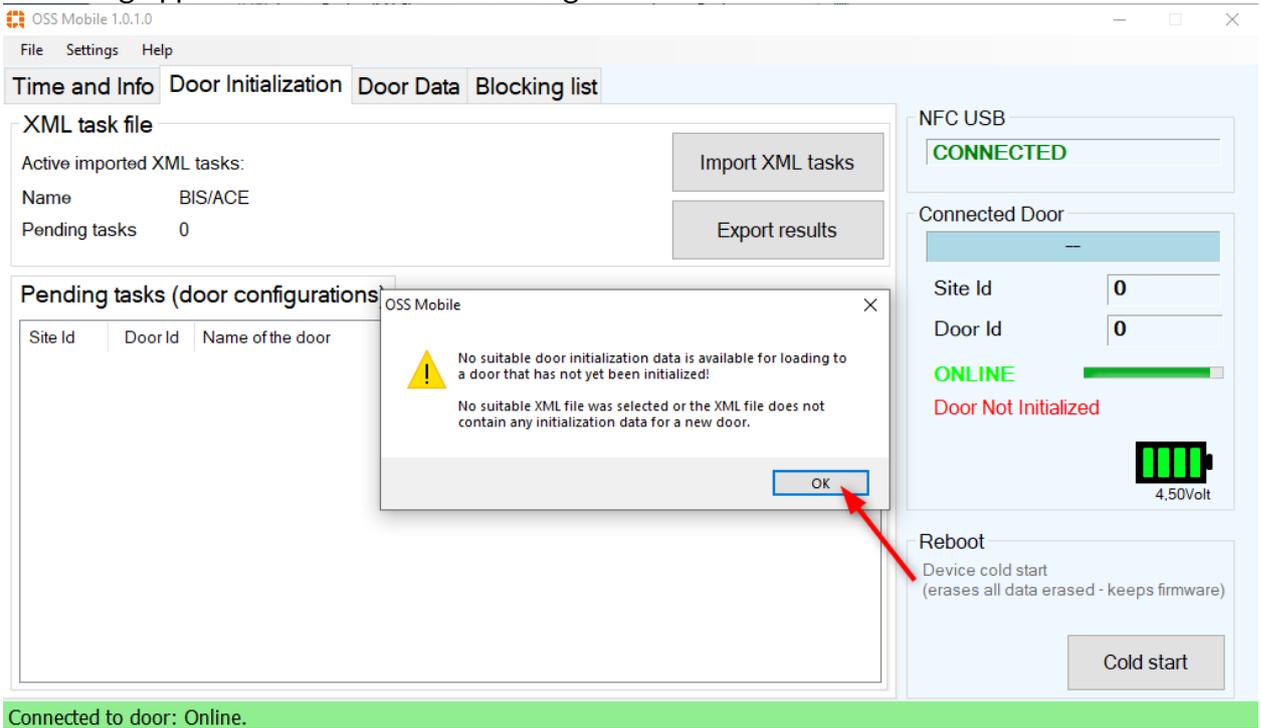
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- 5. Open the **Door Initialization** tab.
A warning appears. Click **OK** to acknowledge.



The screenshot shows the OSS Mobile 1.0.1.0 application interface. The 'Door Initialization' tab is selected. A warning dialog box is displayed in the foreground with the following text:

OSS Mobile

 No suitable door initialization data is available for loading to a door that has not yet been initialized!
No suitable XML file was selected or the XML file does not contain any initialization data for a new door.

OK

The background interface includes a menu bar (File, Settings, Help), tabs (Time and Info, Door Initialization, Door Data, Blocking list), and several panels: 'XML task file' with 'Import XML tasks' and 'Export results' buttons; 'Pending tasks (door configurations)' table; 'NFC USB' status (CONNECTED); 'Connected Door' section with Site Id (0), Door Id (0), ONLINE status, and Door Not Initialized warning; a battery icon showing 4.50Volt; and a 'Reboot' section with 'Cold start' button.

Connected to door: Online.

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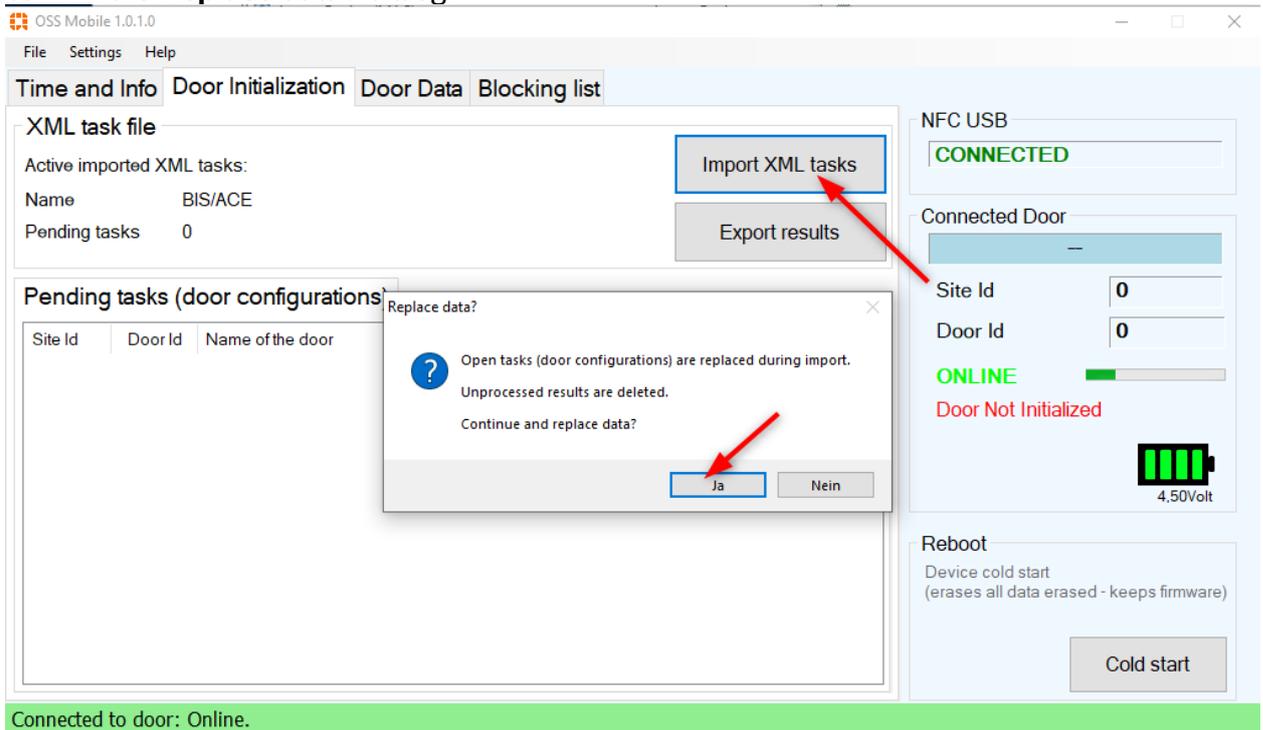
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- 6. To assign the AMS configuration to the lock, click **Import XML tasks**
IMPORTANT: Importing a configuration file deletes unsaved data. Save your work and confirm the **Replace data?** dialog.



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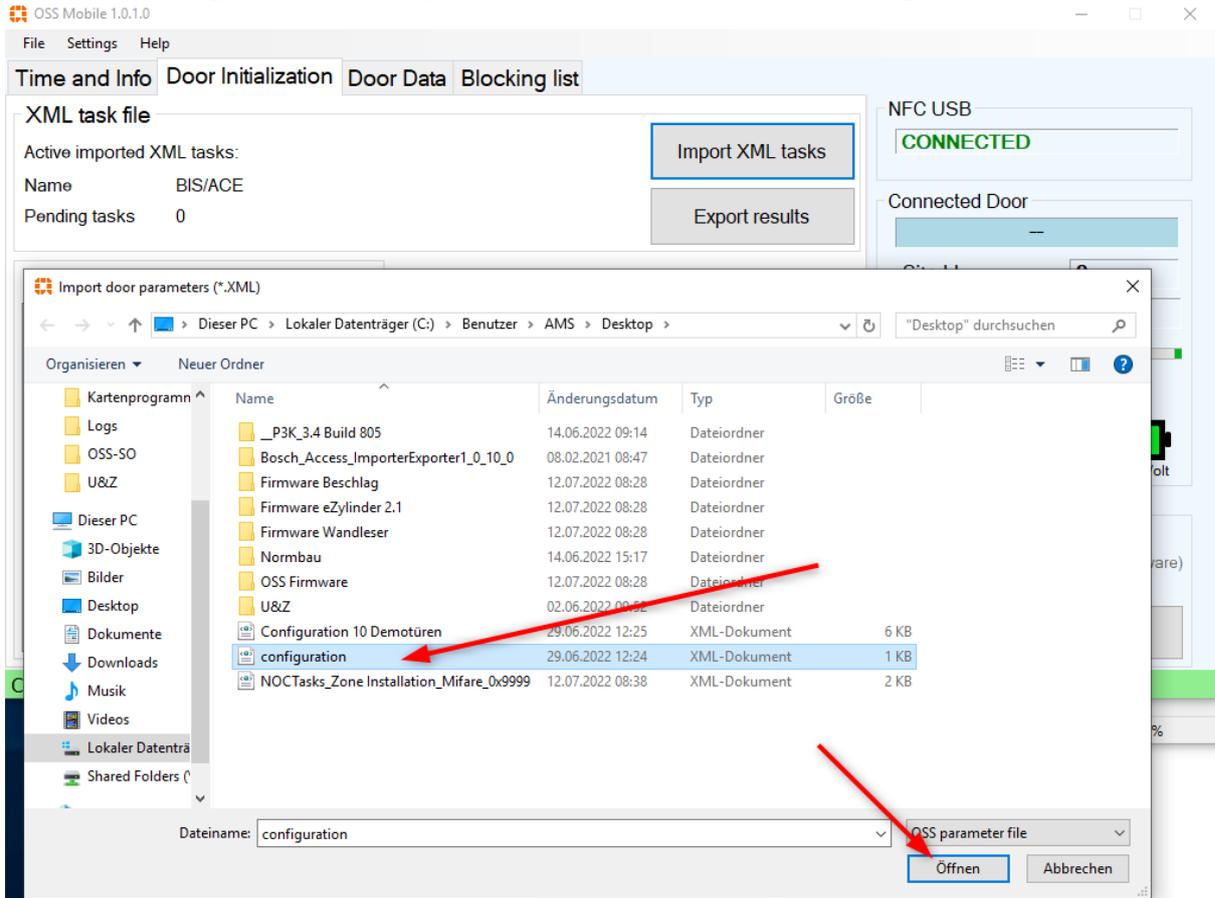
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7. Select the configuration file that you created in the Bosch OSO Configurator.



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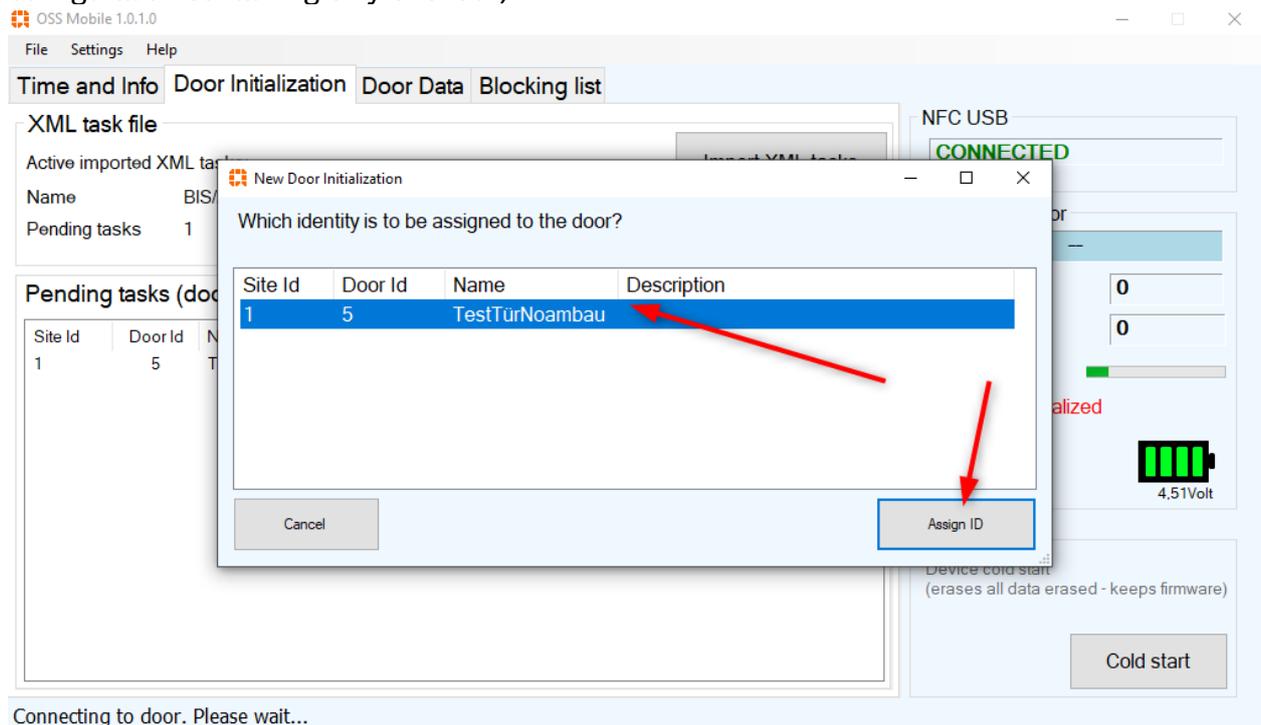
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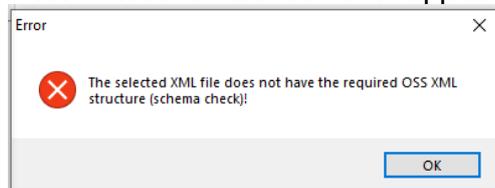
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8. Click **Open** to import the configuration

If the configuration is free of errors, a list of locks will appear. (This illustrated example shows a configuration containing only one lock).



Note: If a schema check error appears when opening the configuration:



then abort the import and make the following edit to the configuration file before re-importing:

Replace the string:

<Configuration xmlns="http://oss-so.com">

with

<Configuration>

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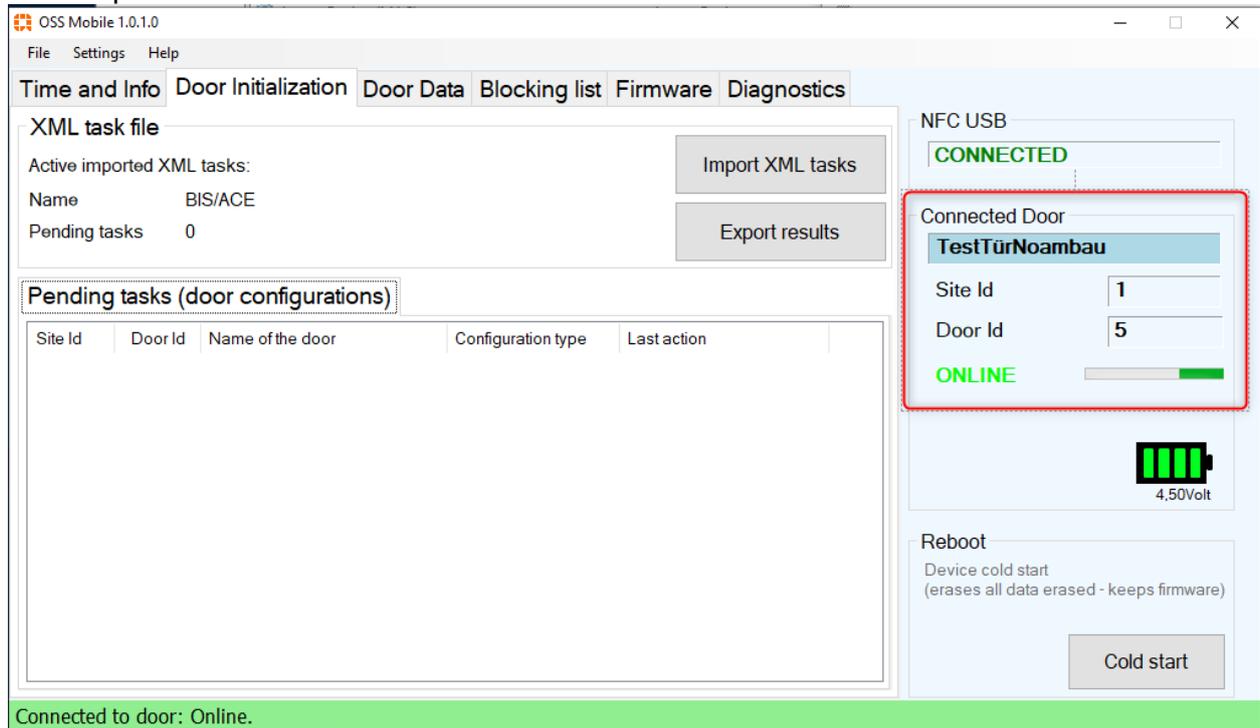
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9. Select the AMS lock configuration that you want to assign, and click **Assign ID** .
The tool writes the configuration to the lock and displays the Site ID and Door ID in the dialog (see below). The configuration and the assignment to the AMS configuration are now complete.



10. Save the XML file in a location to which the Bosch OSO Configurator tool has access.
11. Proceed to the chapter in [OSS-SO_Integration.pdf](#) for instructions on importing an OSS-SO site in the Bosch OSO Configurator tool.