Supplementary Sheet for the Installation of ELOP II Factory V4.1 build (6150) Hardware Management Version 8

> ⚠ **Archive your projects before installing ELOP II Factory V4.1.**
> **By opening, existing projects are automatically converted to the current version.**
> **The conversion cannot be undone.**

You find a listing and a description of the new functions in the manual "New Features".

1 Starting the operator interface for the installation of ELOP II Factory V4.1

Insert the **ELOP II Factory** CD into the CD drive. A few seconds later, setup will start automatically.
With certain settings (for example if auto run function of the CD drive has been deactivated) you must start the setup program manually. In this case double click the "start.exe" file in the CD's root directory.

When setup has been started, the ELOP II Factory CD's operator interface will be displayed with various options. Open the folder „*Software Installation\ELOP II Factory\ELOP II Factory Installation*" in the structure tree, from where you can control the installation of ELOP II Factory.

Install the hardlock driver and ELOP II Factory. Follow the instructions of the setup.

2 Upgrade from V4.1 build xxxx:

If V4.1 build xxxx is already used, only a new installation is required. The new build 6150 of ELOP II Factory V4.1 requires additional activation keys on the hardlock: The software installer automatically upgrades the hardlock with the new licenses during the setup of the software.
Additionally it is possible to set the licenses via the ELOP II Factory **Control Center, Administration, Upgrade Dongle.**

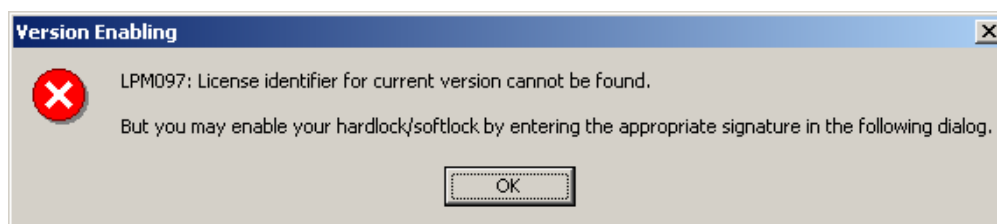## 3 Enable Hardlock during upgrade from an older version to ELOP II Factory V4.1

For each hardlock, which has an older license and shall be enabled for ELOP II Factory V4.1, an upgrade with the **valid signature** is required. After enabling, the hardlock can be used for ELOP II Factory V4.1 and all older ELOP II Factory versions.
If you haven't got a **valid signature** by the upgrade or do need additional signatures, please contact the HIMA support and refer to the hardlock serial number (sticker on the hardlock).

Proceed the following steps to activate the hardlock:

Step 1: Plug the hardlock that you want enable for ELOP II Factory V4.1 to the corresponding interface (LPT1 or USB) of the PC.
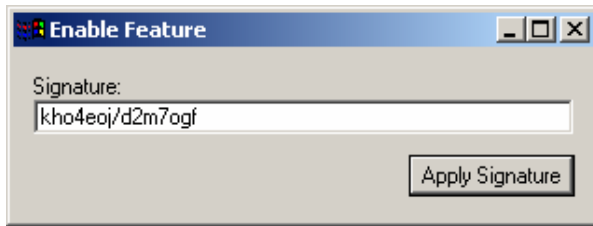
Step 2: Start ELOP II Factory V4.1. If the version is not enabled, the following error message appears.
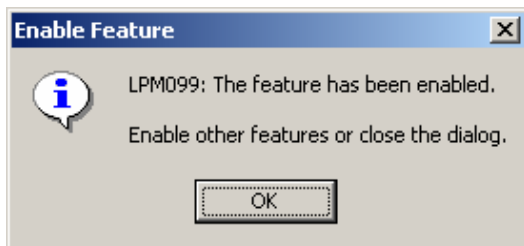

Click "OK" to open the dialog "Enable Feature" for entering the signature.

HIMA Paul Hildebrandt GmbH + Co KG, Postfach 1261, D-68777 Brühl

Step 3: Enter the 15-digit signature, received from HIMA, into the dialog "Enable Feature".

Click the button „Apply Signature" to confirm the input.

Step 4: The following message appears if the hardlock has been enabled.

The hardlock has been enabled successfully. ELOP II Factory V4.1 can now be started with this hardlock.
Repeat these four steps for each hardlock, that you want enable for ELOP II Factory Version 4.1.

Problems during enabling

Step 5: The following error message appears, if the hardlock could not be enabled:

The current version couldn't be enabled for this hardlock!

Possible causes:

- Invalid input.
- Upper and lower case have been ignored.
- O und 0 (zero) have been confused.
- Space character at the end of the signature.
- The input doesn't contain 15 characters.

Click "OK" to confirm the error message and enter the signature again.

If you get the error message again, after entering the correct signature, then the signature is faulty or doesn't match to the serial number of the hardlock.

Step 6: Close the dialog "Enable Feature" (the following message appears).

The hardlock could not be enabled with your signature, which you have entered in the dialog "Enable Feature".

In this case you need the OEM-UserNr of the hardlock for the HIMA-Support:

- Open the "ELOP II Factory Control Center".
- Open the "Command Promt" and enter **LCHLView**.
- Read the OEM-UserNr.
- Please contact the HIMA-Support and refer to the **OEM-UserNr** (e.g 122), to get the valid signature for the current version of ELOP II Factory.

4   Conversion of existing ELOP II Factory Projects to V4.1

Archive your project before opening it in ELOP II Factory V4.1.
By opening, existing projects are automatically converted to the current version.
The conversion cannot be undone!
For big projects the conversion can last for some time especially if there are complex structures, e.g. with remote I/O's.

The following rules apply for conversation:

- Upward compatible only.
- Projects can be converted without restriction.
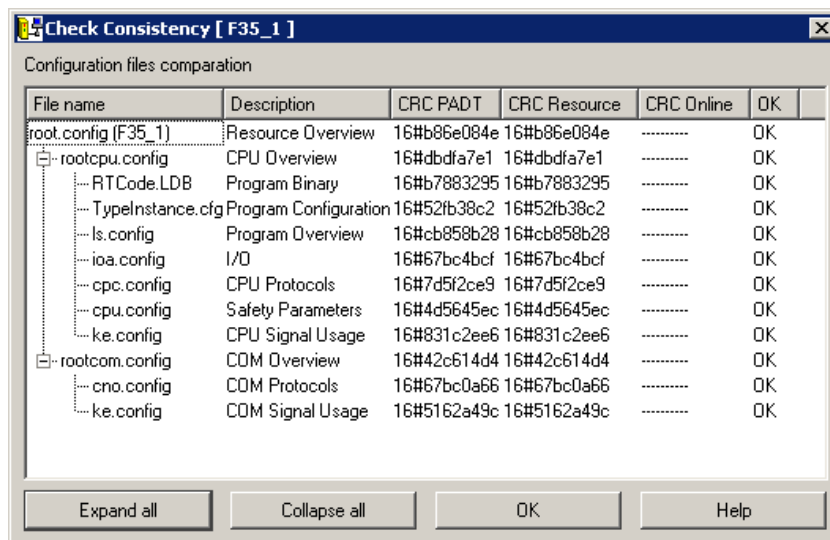
5   Check Consistency after the conversion

> ⚠️ **Due to improvements of the code generator, some changes may be made to existing projects.**
> **The consequences for safe operation depend on the application and must be cleared with the acceptance authorities by the operator!**

To find out whether changes by the usage of the new code generator have been carried out, please proceed as follows:

> ⚠️ **The following consistency check presupposes that the code generation of the project was executed correctly in the old ELOP II Factory version and the generated code is loaded into the controller.**

1. Open the control panel and open the connection to the controller.
2. From the menu bar of the control panel, select *Resource->Check Consistency…* to open the dialog "Check Consistency".

3. Check that the CRC of the controller (column "CRC Resource") and the CRC of the last code generation (column "CRC PADT") match (see column "OK").
4. Start the code generation in the new ELOP II Factory version.
5. From the menu bar of the control panel, select *Resource->Check Consistency…* to open the dialog "Check Consistency".
6. Check that the CRC of the controller (column "CRC Resource") and the CRC of the last code generation (column "CRC PADT") match (see column "OK").

If the CRCs are "OK", no further measures are required. In case of different CRCs, the affected area must be checked for correct function. In this case follow the notes in the safety manual and/or contact the HIMA support, please.

Remark: The CRC of the resource can also be determined via the context menu *resource->about configuration* in the Hardware Management.

6   Support

If you have problems concerning the installation or enabling the hardlock, please contact the HIMA Support.

Hotline   :   **+49 (0) 6202 709-185 / -255/ -258**
or
Phone   :   **+49 (0) 6202 709-0**
FAX   :   **+49 (0) 6202 709-107**
E-mail   :   **support@hima.com**