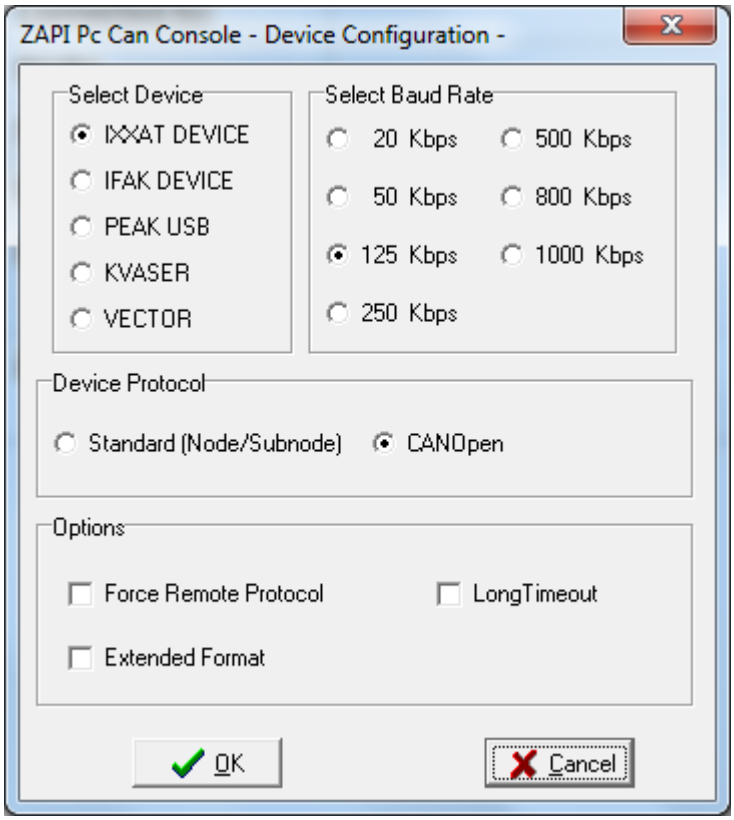
How to Download software by ZpCanconsole:

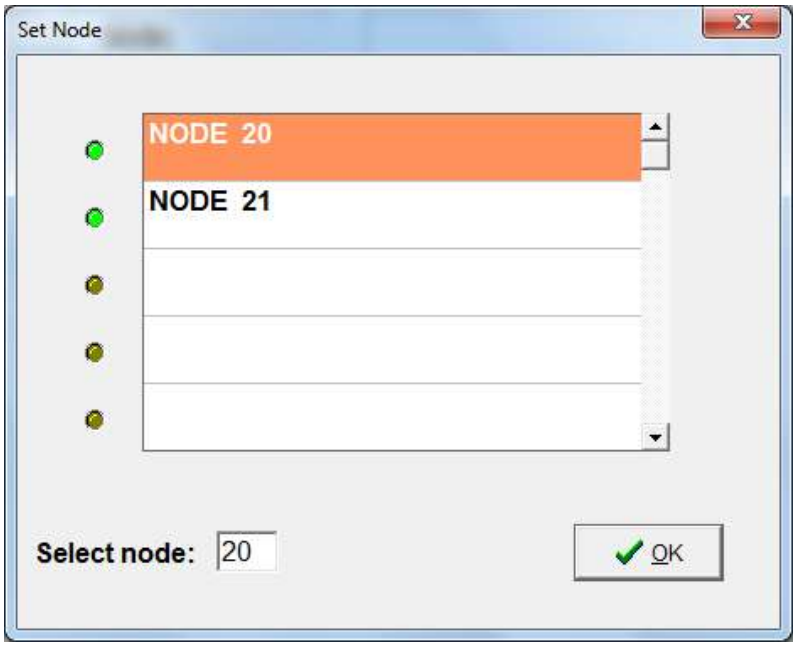
With new version of ZpCanConsole is possible to download directly software inside inverter using software **file with extension *.z86.**

IMPORTANT: Download software with ZpCanConsole is possible only with inverter of new generation with 2uC and only if we connect with inverter using CANOPEN PROTOCOL.

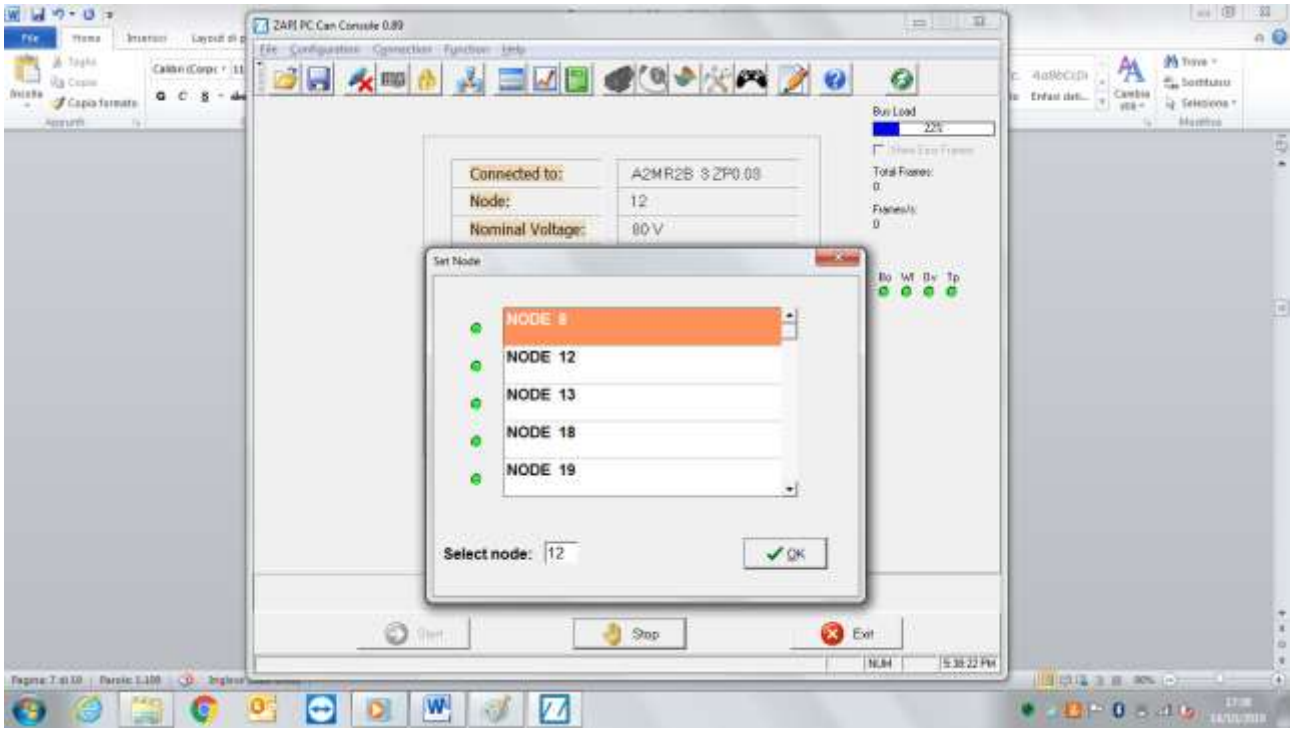
1.CONNECT USING REMOTE PROTOCOL:



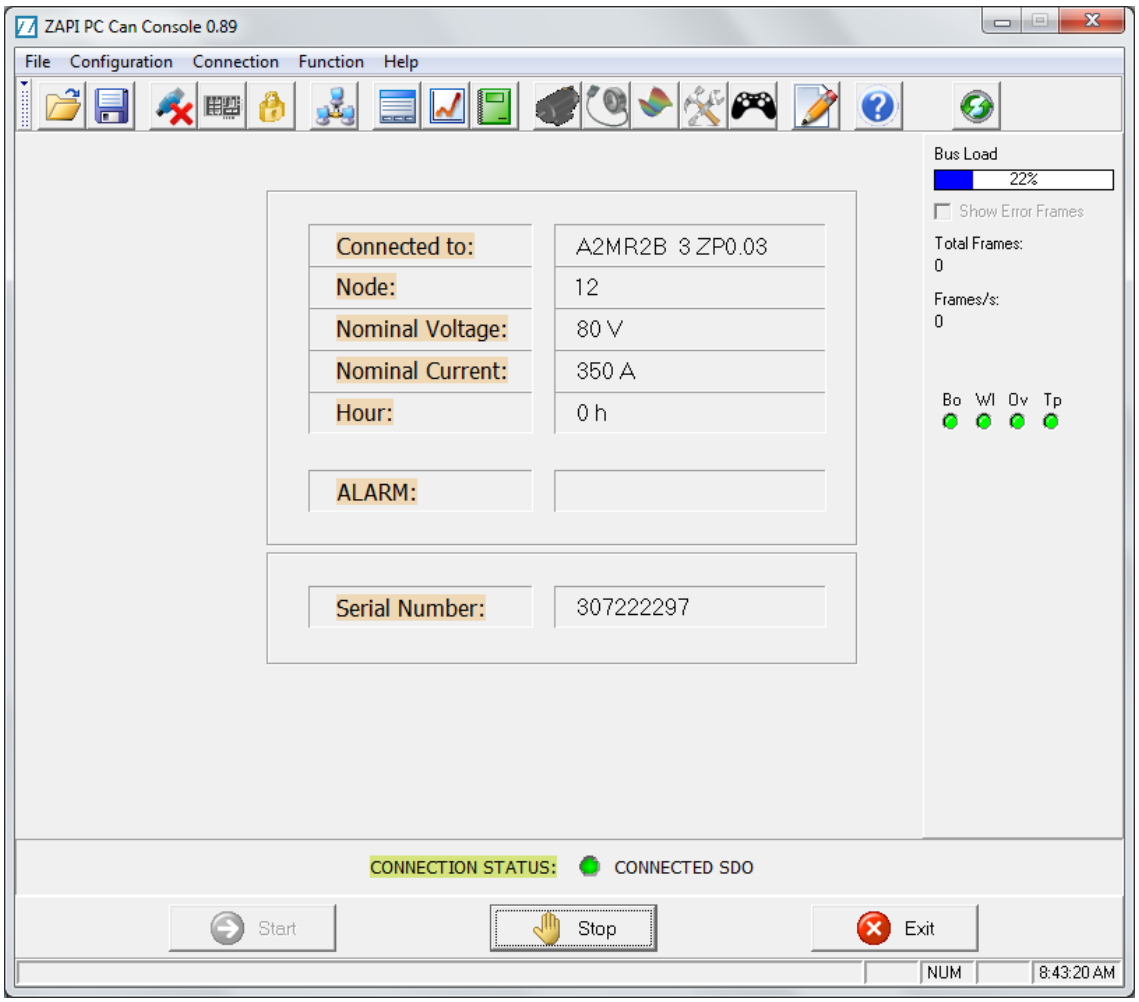
2.Select Node to connect with inverter 2uC that could be in stand alone mode:



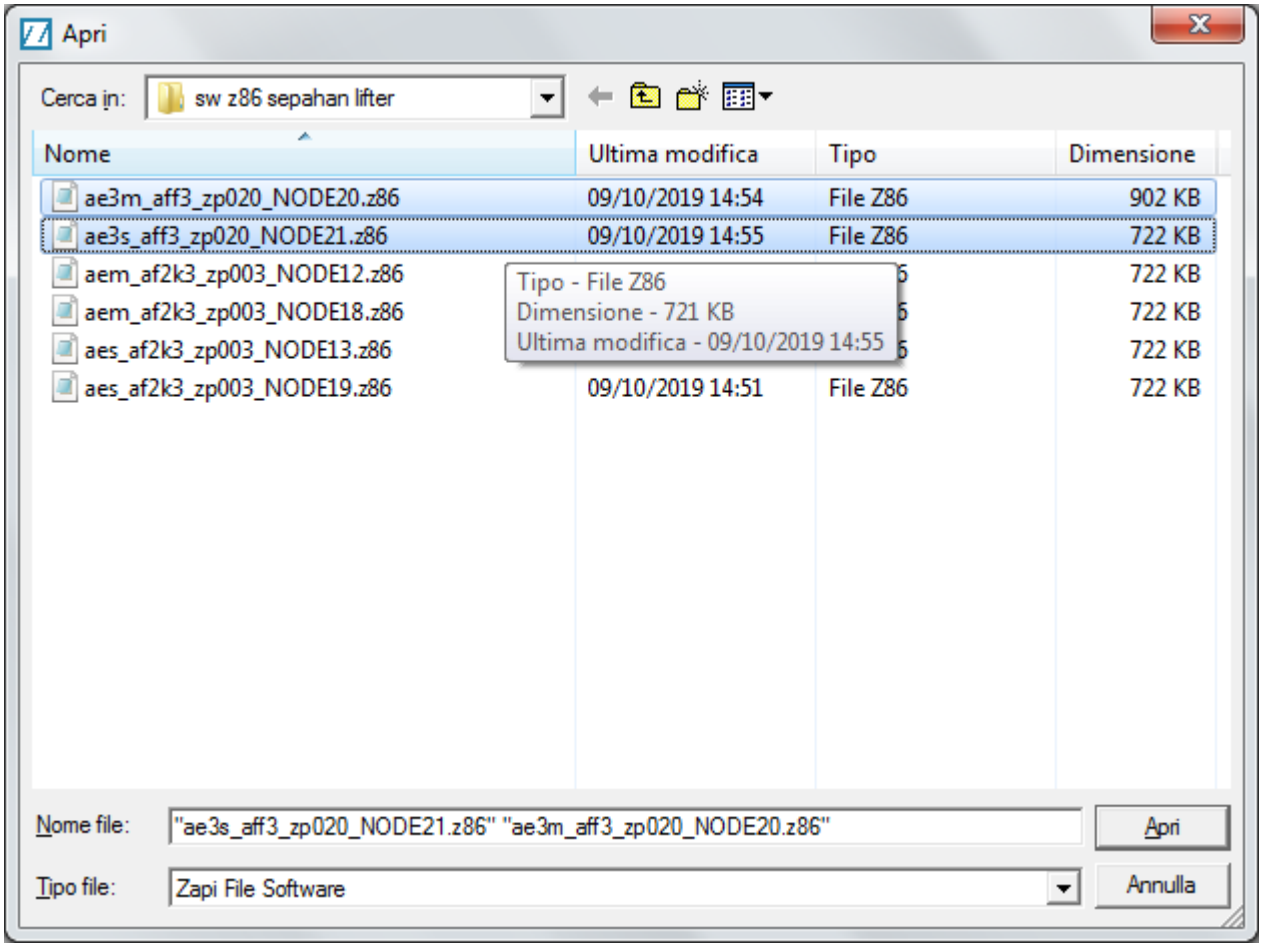
Or in a complex can-bus line with more than one inverter:



3.Click on the icon  to open upgrade software function:

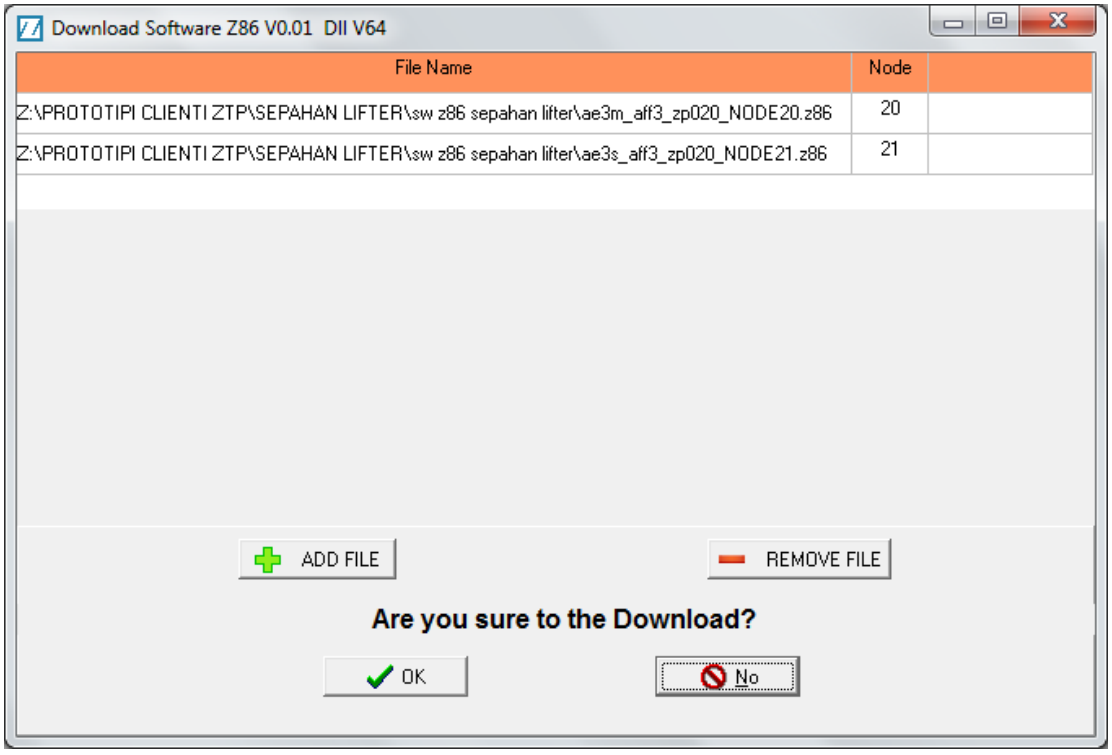


4.Select your software to download on your inverter with extension z.86:

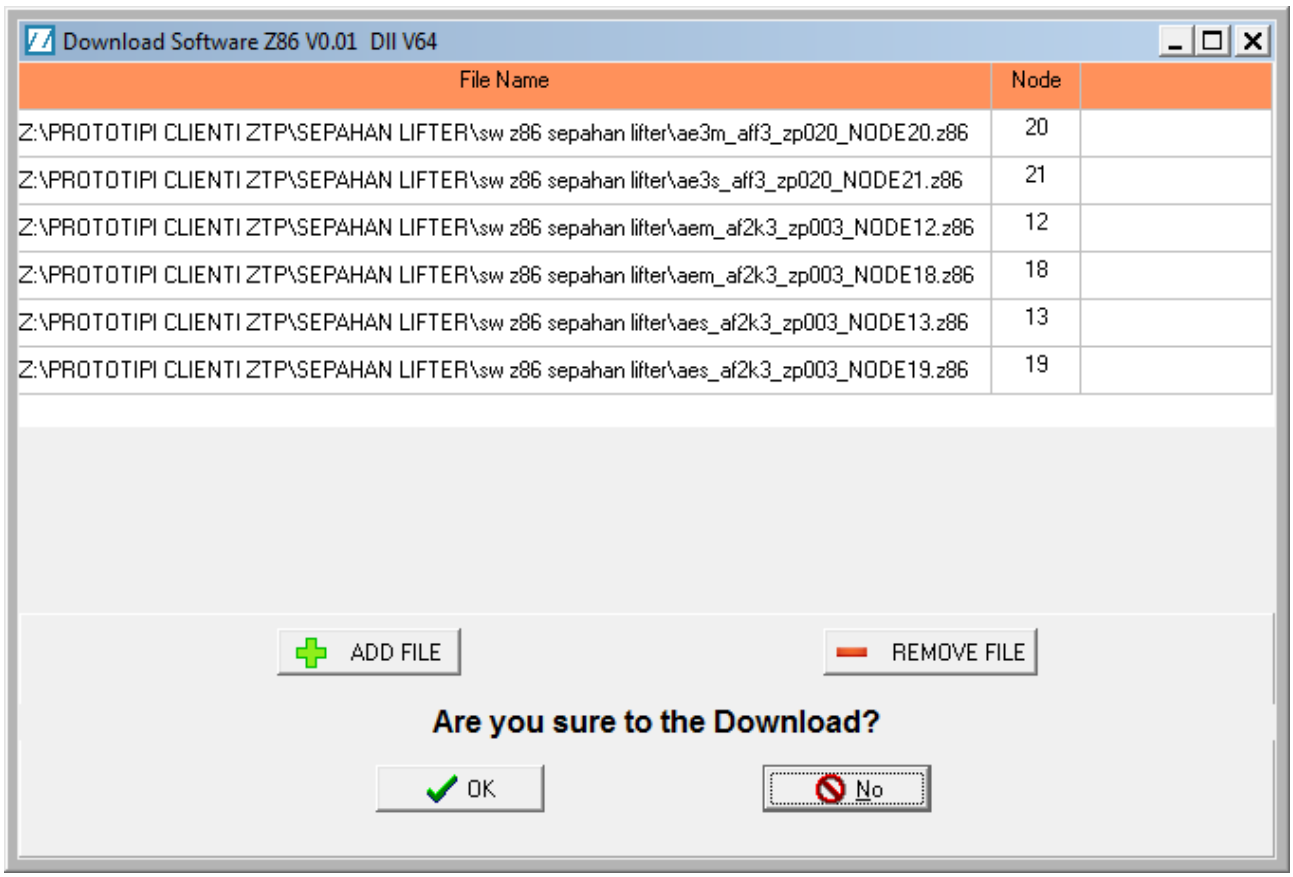


NOTE: If we have inverter 2uC, you must select firmware for uP master (EX:ae3m_aff3_zp020_NODE20.z86) and firmware for uP slave (EX:ae3s_aff3_zp020_NODE21.z86).

5.It is possible download software for single inverter 2uC or more than one inverter:



NOTE:If you have more than one inverter in a complex can bus line (more than one inverter), is possible add file with button ADD FILE or remove file with button REMOVE FILE :



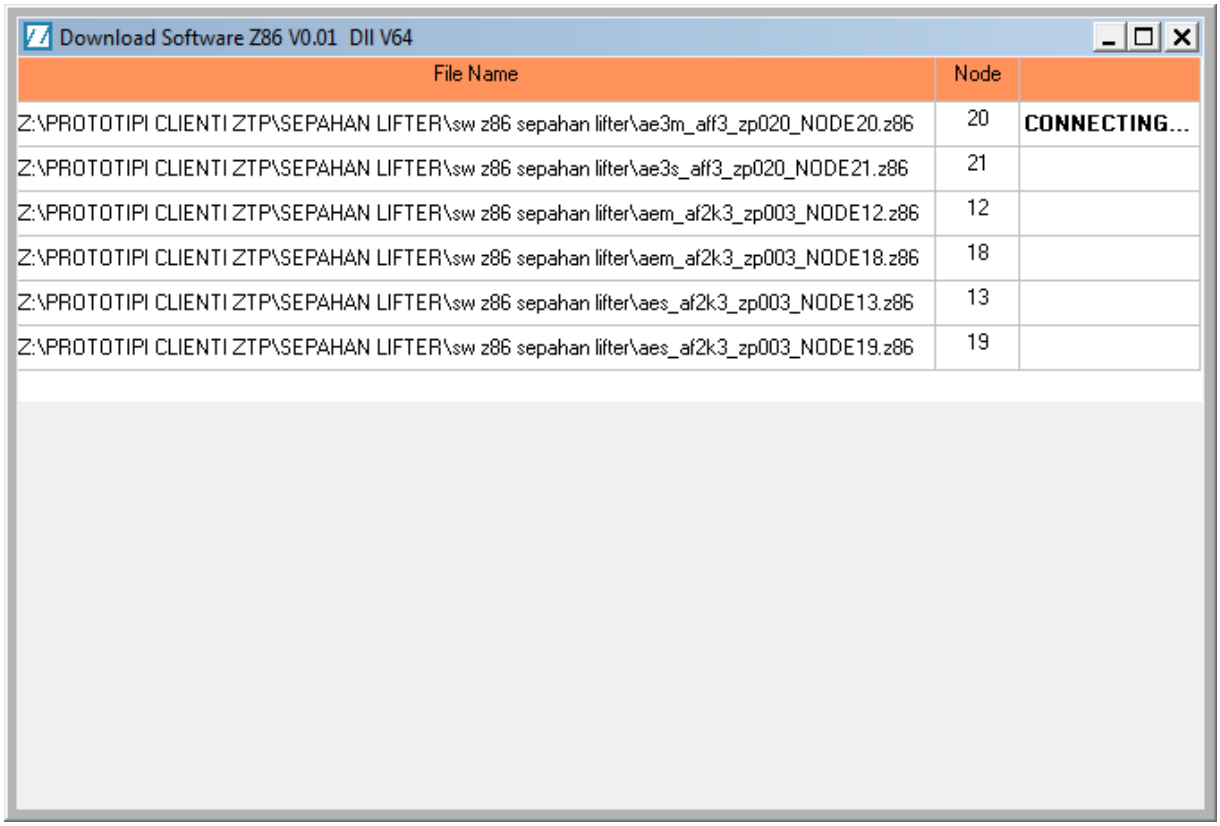
IMPORTANT: It will be possible after software file *.z86 selection, change directly NODE of inverter to flash:

Click directly on NODE window, it will open window where write directly NODE that you want flashing:

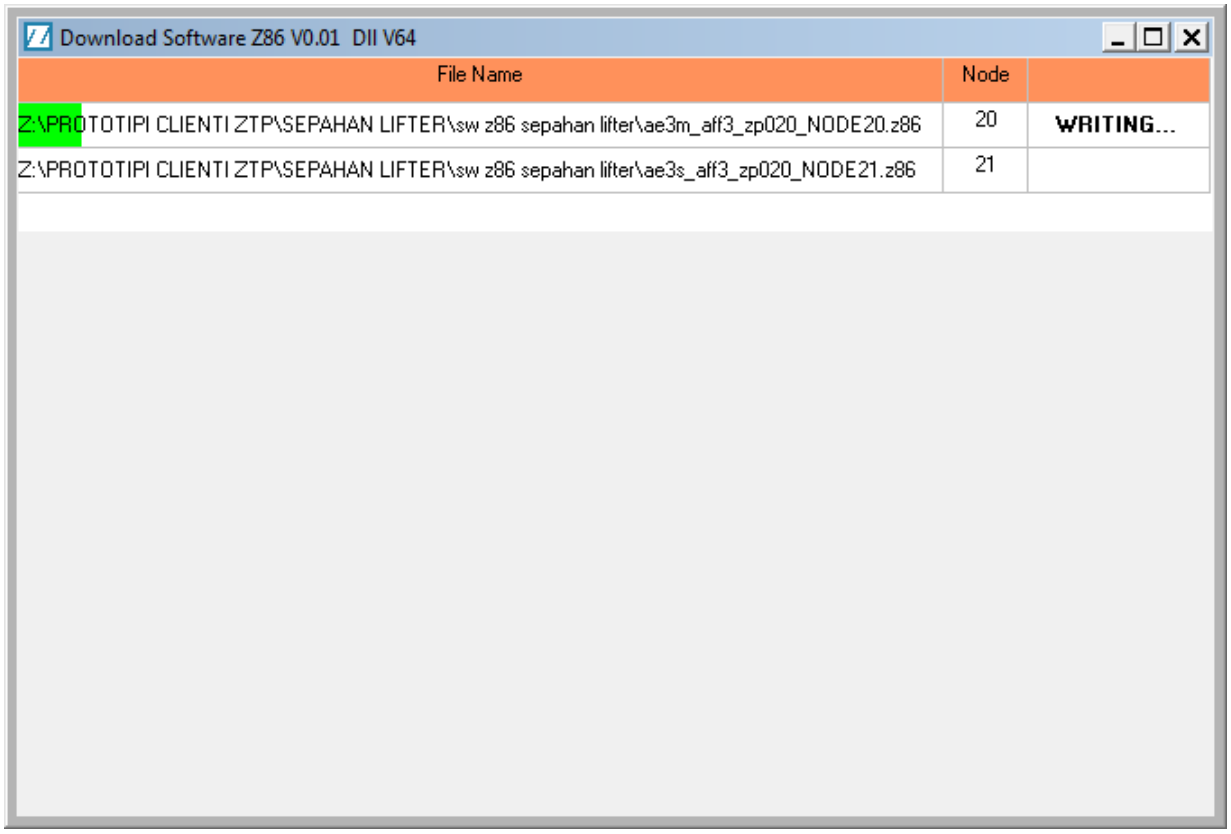
IMPORTANT NOTE: If in parameter of menu special adjustment there is 2ND SDO ID OFST set different to 0, node to select for flash inverter will be NODE ID+ is 2ND SDO ID OFST.

EXAMPLE→NODE ID=16 and 2ND SDO ID OFST=12, node ID to insert for flash inverter will be 16+12=28

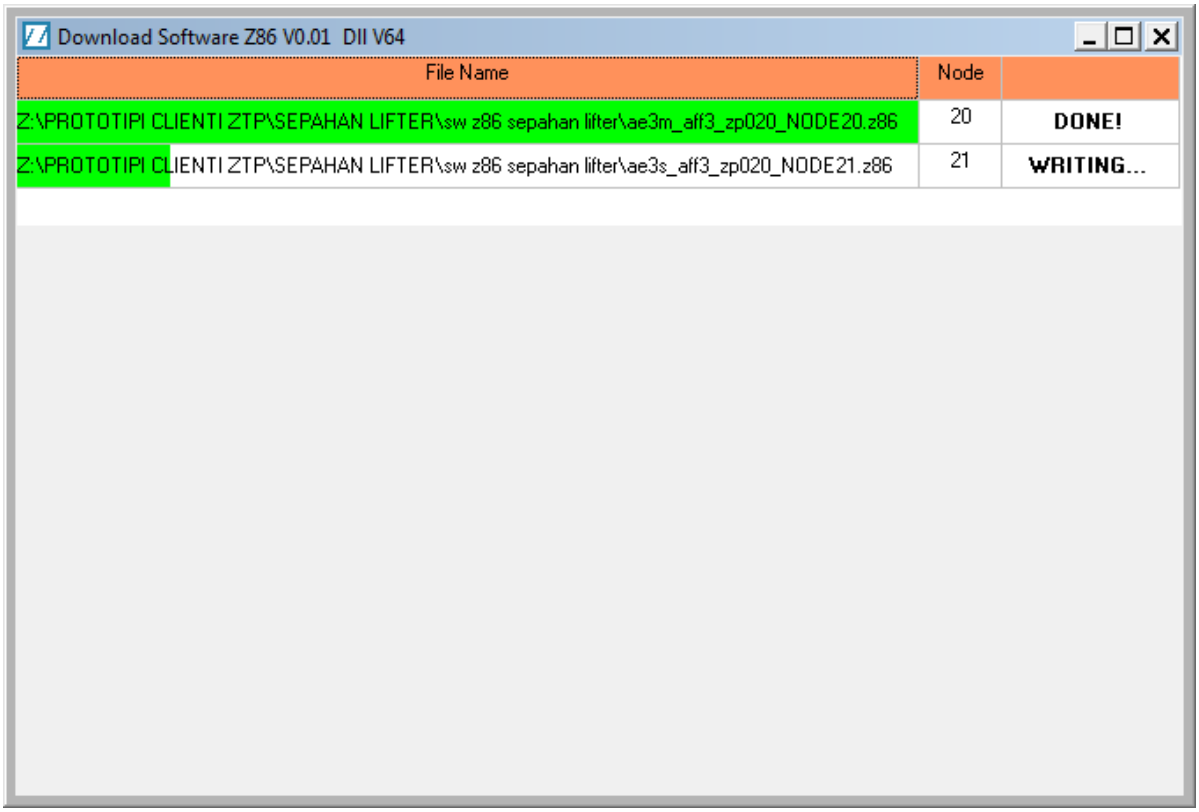
6. Now you are ready to flash inverter, click on  and it start to "CONNECTING..":



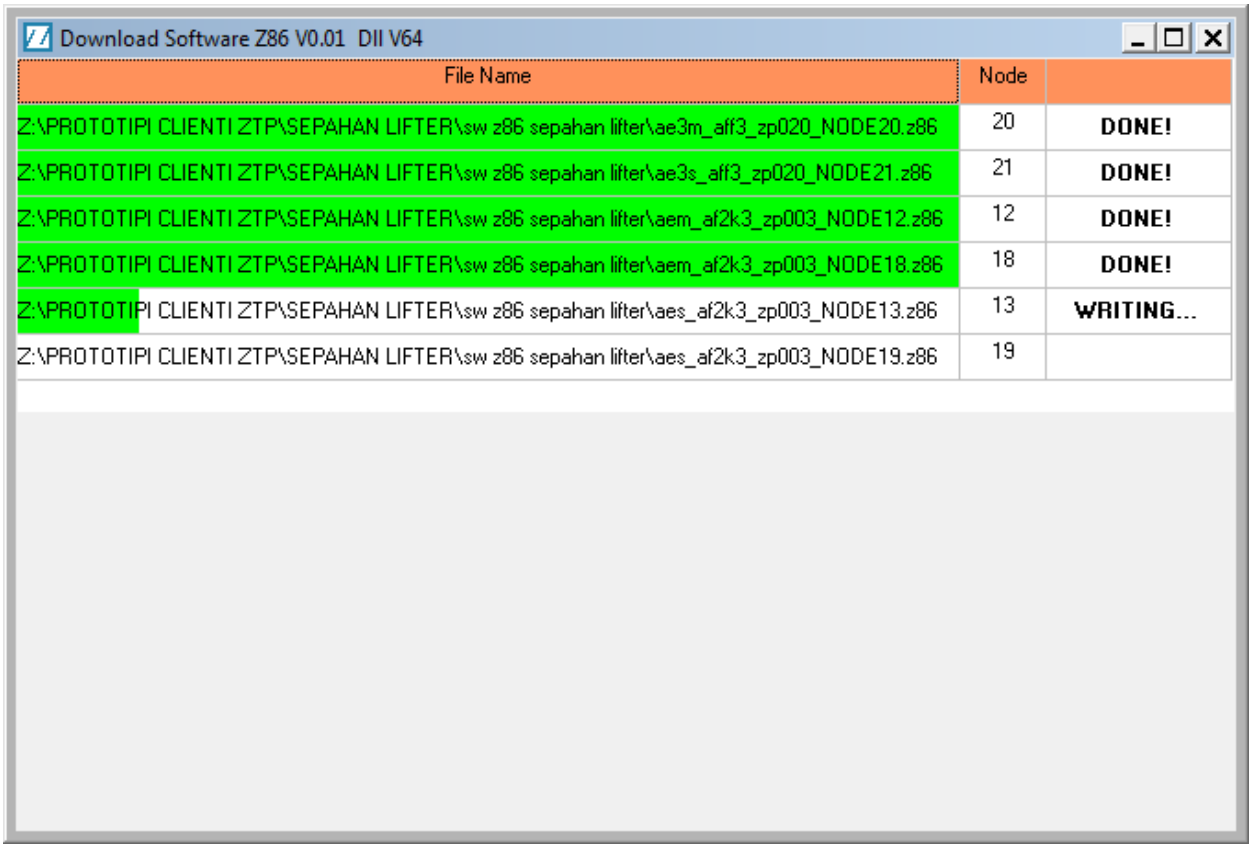
7.After connetting, if all will be ok, inverter will open Main Contactor and it starting to “WRITING…” software on your inverter:



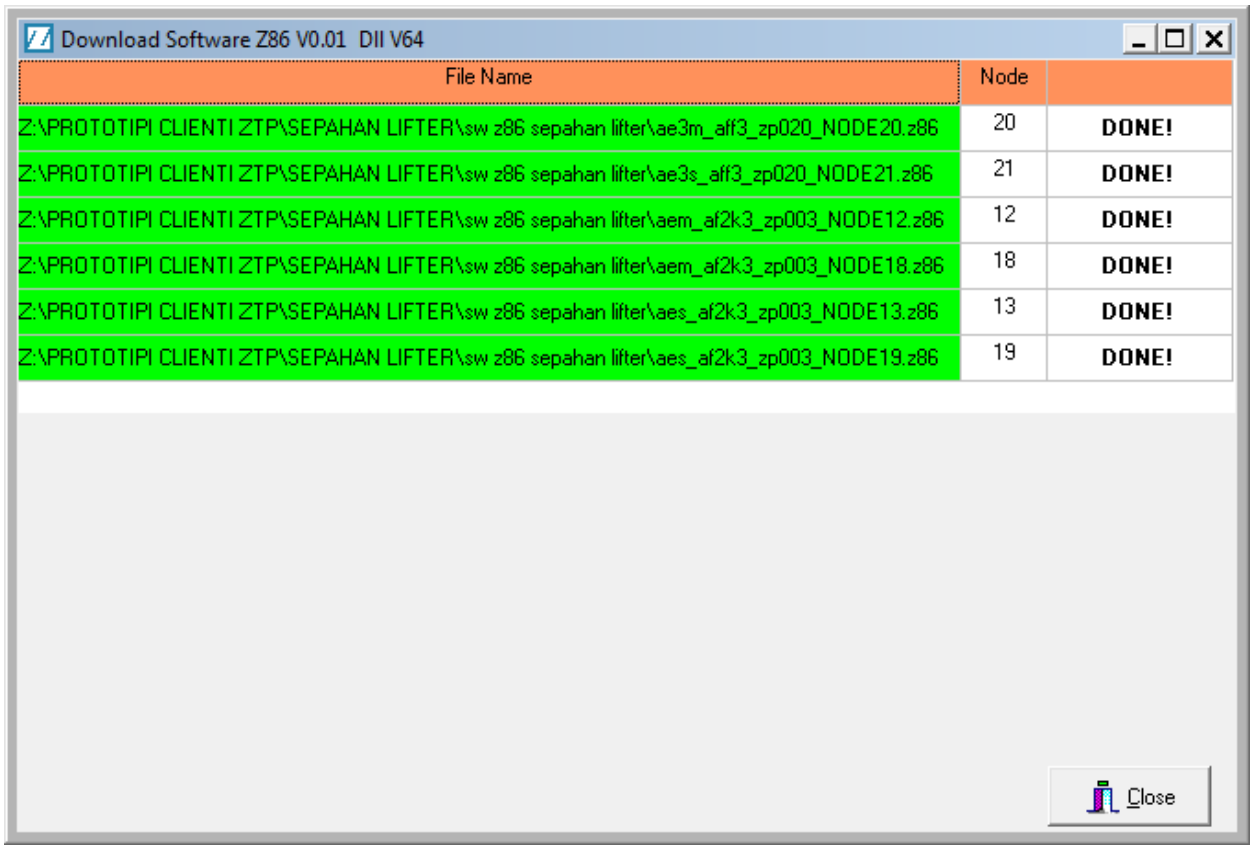
8. When will be complete operation of “WRITING…”it will showing “DONE!” and starting to flashing the other node that you had select before:



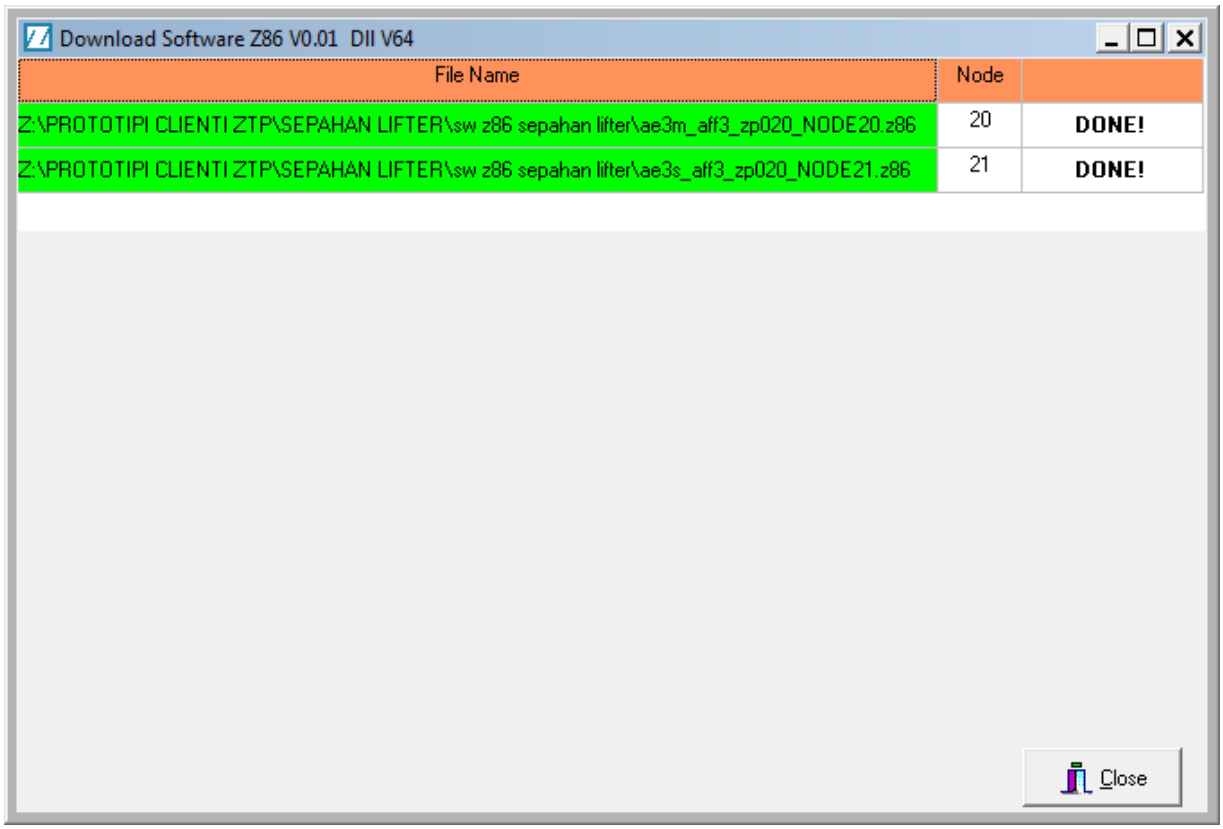
NOTE: If you have a complex can-bus line with more than one inverter, it will writing and flashing software in all node present and selected:



If all operation of downloading software, complete with success it will show you “DONE” for all node:

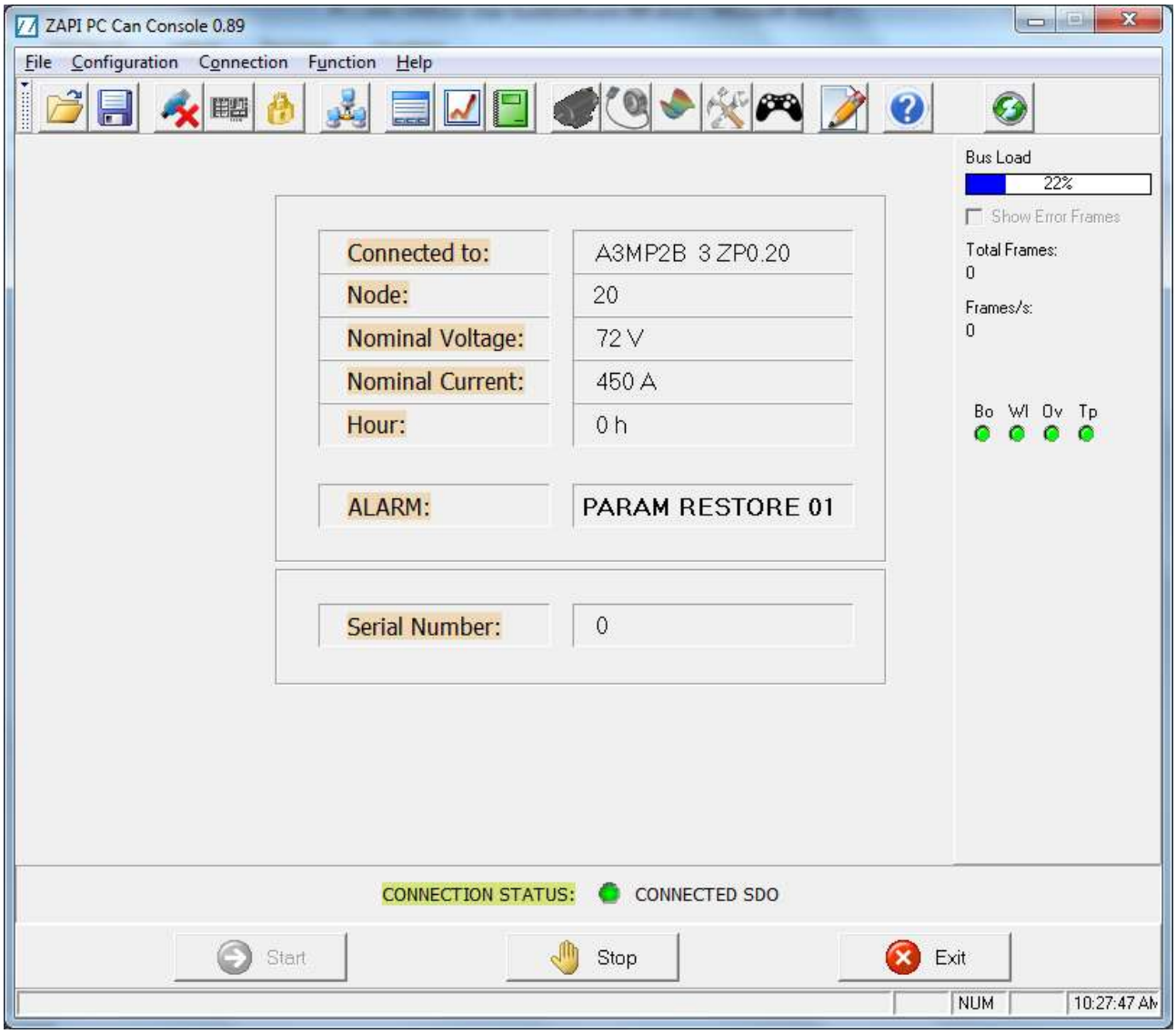


10.When “WRITING…” operation finish, Click on Close  and Key-off inverter.



NOTE: When you upgrade software, at the end of “WRITING…” it will do automatically an erase of memory (CLEAR EEPROM) and when you Key-on machine you will have default parameter of inverter and will be necessary re-setting parameters of inverter.

11.At the first key-on after updating of software, you could have some alarm (because of default parameter), check user manual of inverter to set right parameter and remove alarm present:



EXAMPLE OF ALARM AND TROUBLESHOTING AFTER FLASHING AND CLEAR EEPROM:

1PARAM RESTORE

Cause:
The controller has restored the default settings. If a CLEAR EEPROM has been made before the last key re-cycle, this warning informs you that EEPROM was correctly cleared.

Troubleshooting:
- A travel demand or a pump request does cancel the alarm.
- If the alarm appears at key-on without any CLEAR EEPROM performed, replace the controller.

WARNING SLAVE

Cause:
Warning on supervisor uC.

Troubleshooting:
Connect the Console to the supervisor uC and check which alarm is present.

WRONG ENC SET *(MDI/LED code = 83)*

Cause
Mismatch between parameters ENCODER PULSES 1 and ENCODER PULSES 2 (see paragraph 8.2.5).

Troubleshooting
Set the two parameters with the same value, according to the adopted encoder.