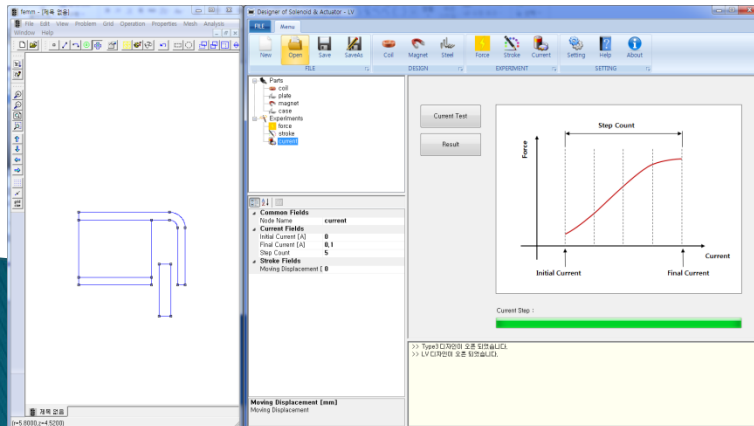


DoSA-2D Installation Guide



2022-05-07
zgita@gmail.com

First Installation vs. Update

Items	First Installation	Update
FEMM	Download Installation (execute)	X
DoSA-2D installation	Download Installation (execute)	Download Installation (execute)
Preferences	FEMM Preferences DoSA-2D Preferences	X

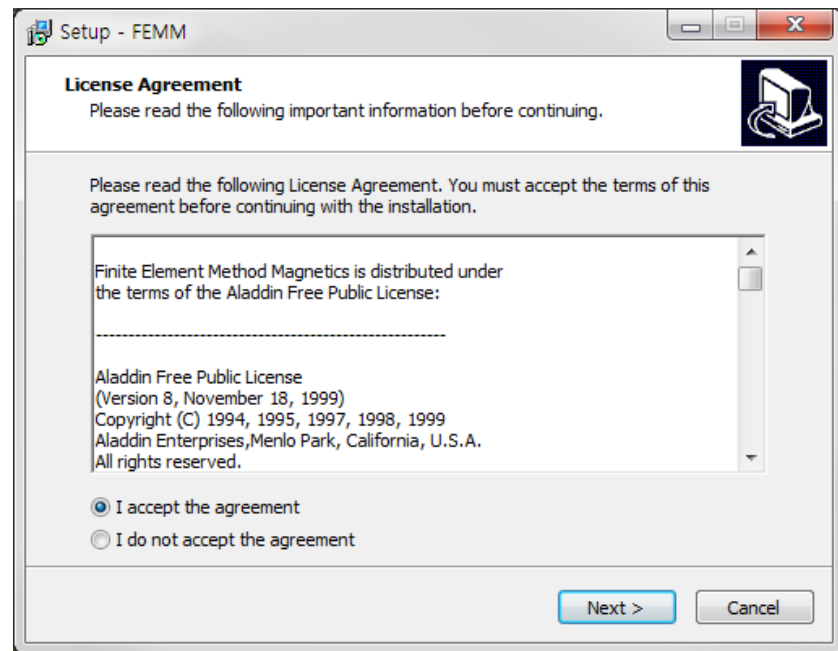
There is no need to refer to this installation manual when updating.

The update is completed only by executing the DoSA-2D installation file.

FEMM Installation

➤ FEMM download

- <https://www.femm.info/wiki/Download>
- Download and install the FEMM.

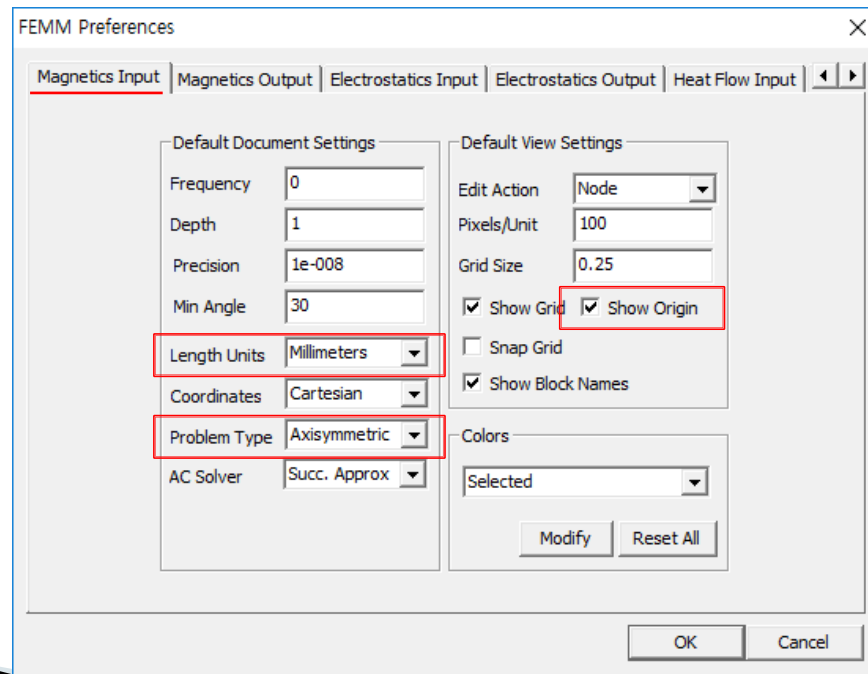


FEMM Setting

➤ FEMM Settings

- Open installed FEMM
- Open Installation Window : Main Menu > Edit > Preferences ...
- Exit FEMM after Setting is completes

[Magnetics Input]



- Length Units : Millimeters
- Problem Type : Axisymmetric
- Show Origin check

Download the DoSA

➤ Download the DoSA-2D Installation files

- <https://OpenActuator.org> → OpenCAE → DoSA-2D Link

Project Name	DoSA-Open_2D (Designer of Solenoids & Actuators)
Project Leader	GiTae Kweon (zgitae@gmail.com)
GitHub	https://github.com/OpenActuator/DoSA-Open_2D
Bulletin Board	https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng
Donation	DoSA-Open Project Donation
File Download	<div>- DoSA-Open_2D Installation File : DoSA-Open_2D_Setup_ver(0.9.11.0).zip - Installation Guide : Install_Guide_ENG.pdf - Solenoid Example File : Solenoid_Sample_ENG.pdf - VCM Example File : VCM_Sample_ENG.pdf</div>
Introduction	2D Open source actuator simulation software that can predict the performance of actuators in a similar working environment to the development of actuators

- Download the DoSA-2D_Setup_ver(x.x.x.x).zip and Unzip it.

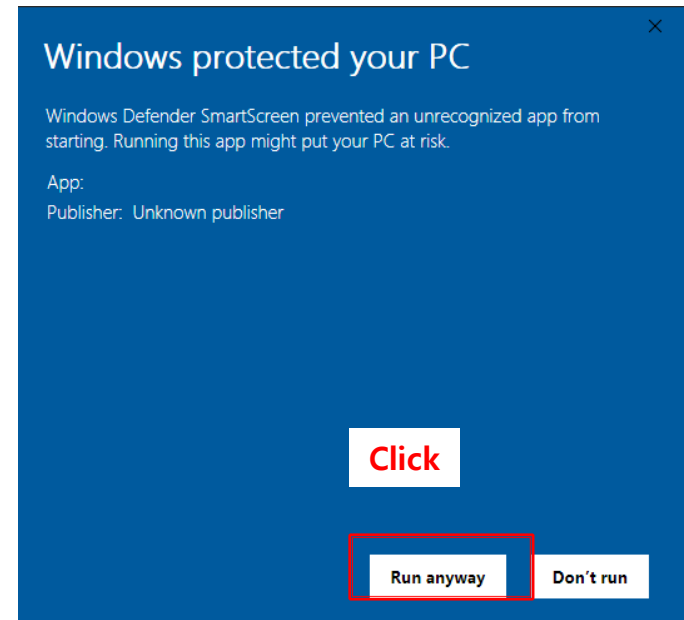
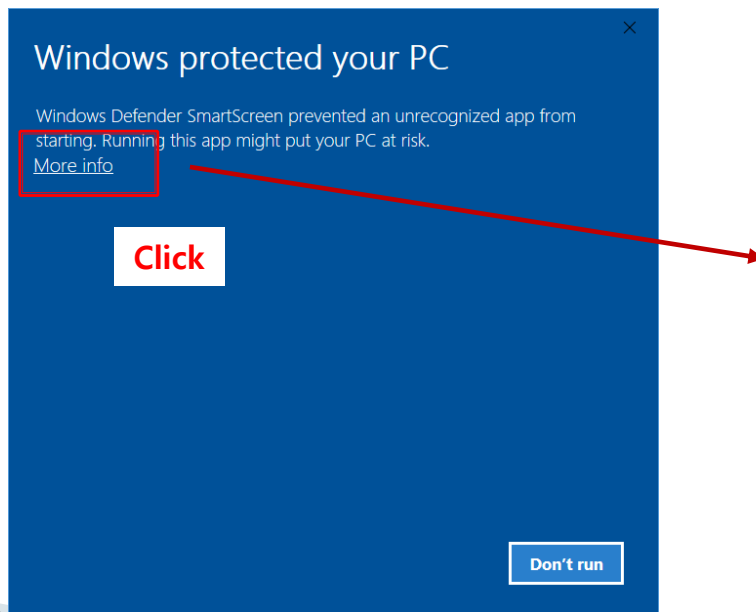
Install the DoSA

➤ Install the DoSA-2D

- Start to install the DoSA-2D_Setup_ver(x.x.x.x).exe.

➤ Problem of “windows protected your pc”

- Windows 10 has a protect function of a install file that don't have a digital signature. This screen appears because DoSA is not included due to the cost of digital signature.



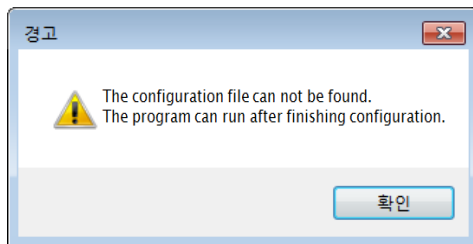
Run the DoSA

➤ First Run

- Run DoSA-2D icon on desktop
- Proceeds differently depending on the notification window

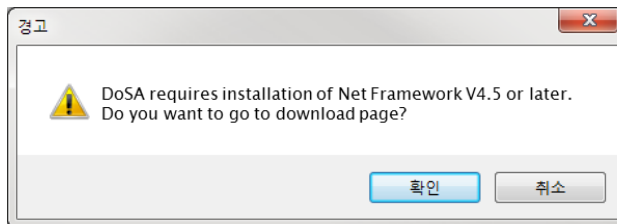


Case 1



Go to next page

Case 2



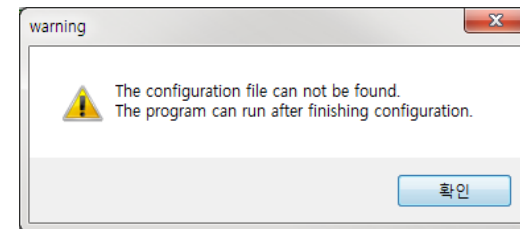
Version issues

**Go to Last page
Of Net Framework Installation**

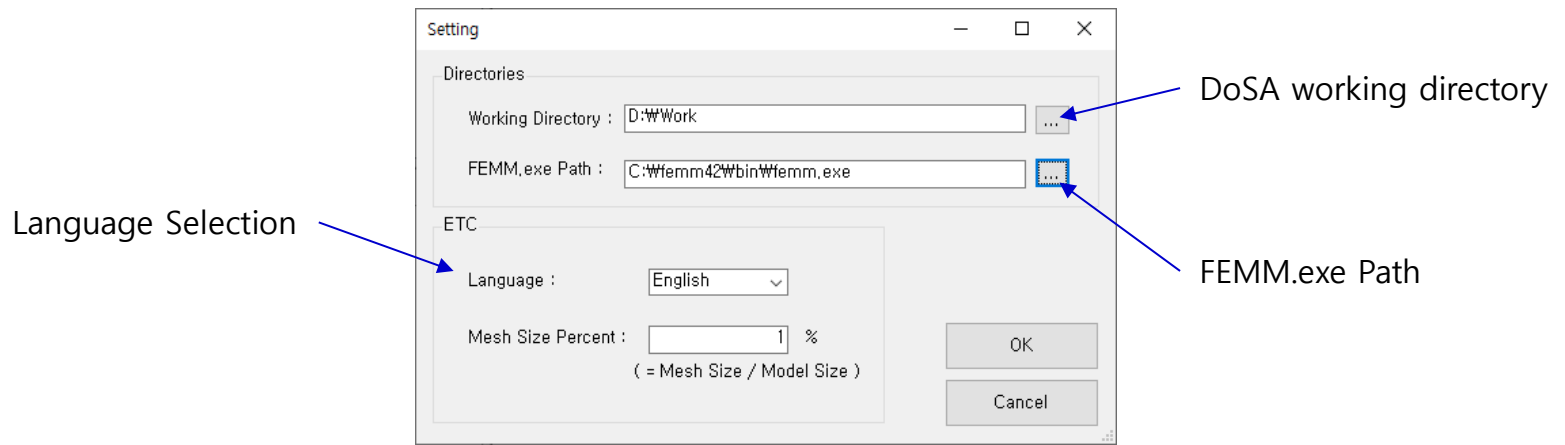
DoSA Settings

➤ Program Setting

- In case of the first execution, the warning window on the right side appears.
- First, Create a DoSA working directory in the appropriate location.
- When you close the warning window, the following configuration window appears.



- In the Setting window, select the working directory and the FEMM.exe path.



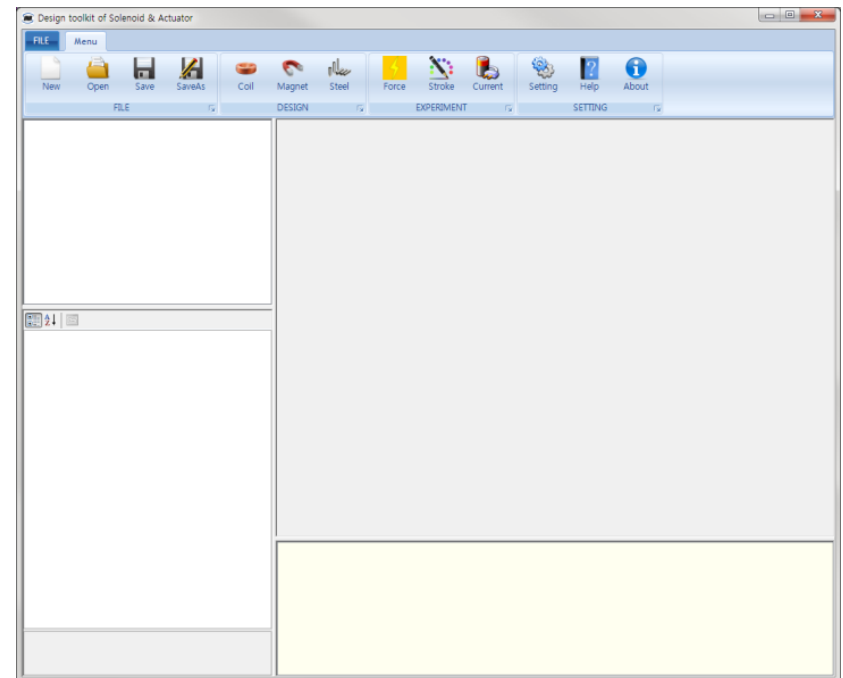
Finish installation

➤ DoSA-2D installation complete

- When the following window appears after setting up, installation is complete.

➤ Install upgrades

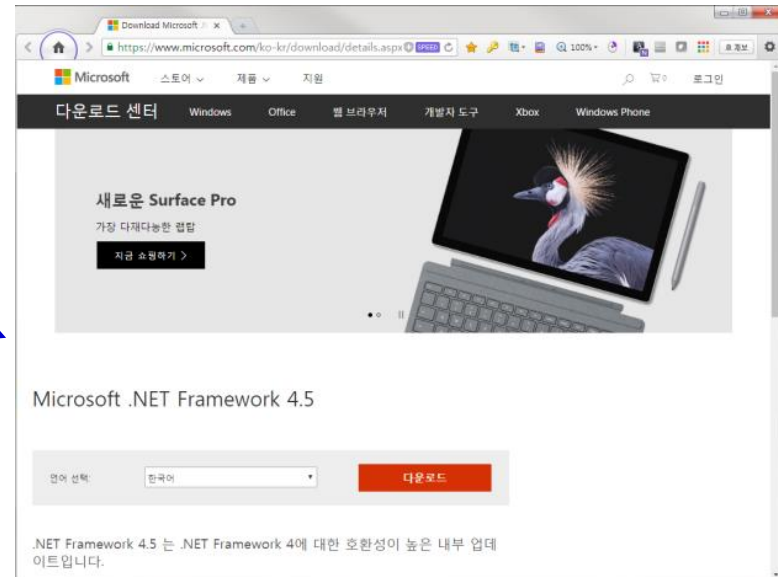
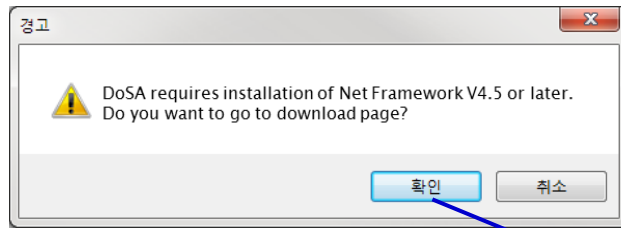
- No need to install ONELAB
- No configuration work required
- Just need to install DoSA-2D



[Ref.] Net Framework installation

➤ Net Framework Install

- If Net Framework is not installed in the system, the alert window(shown below) appears.
- If you click Okay button, the download page of Net Framework 4.5 will appear.



➤ Net Framework Installation

- After download, install Net Framework.
- After installing Framework, reinstall the DoSA-2D again.

감사합니다

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