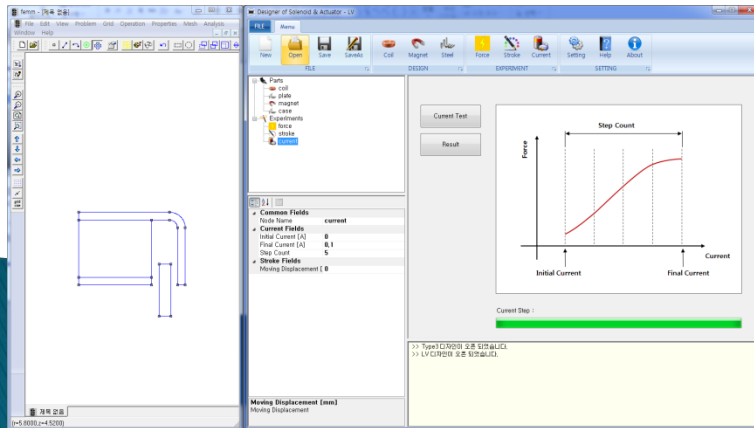


# DoSA-Open\_2D Install Guide

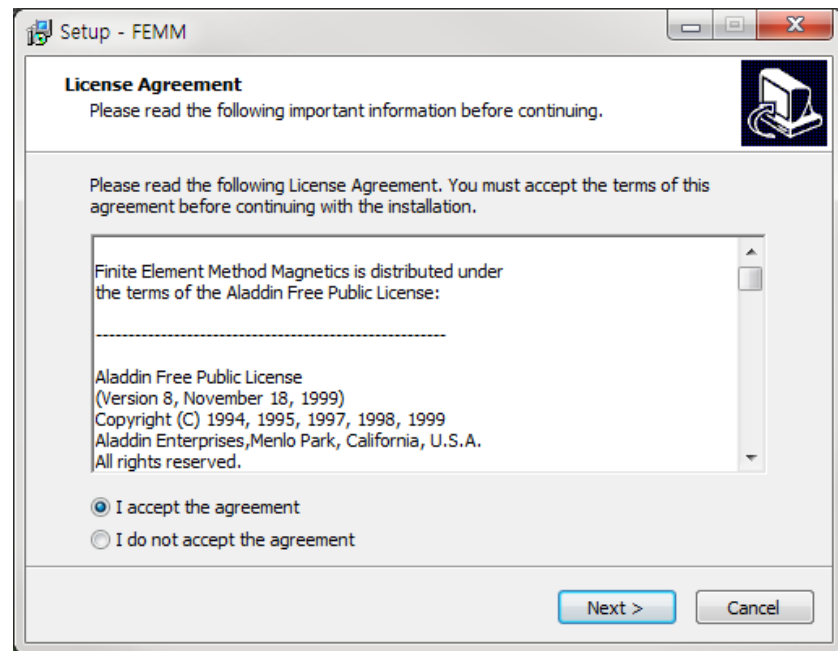


2021-03-27  
zgita@gmail.com

# FEMM Installation

## ➤ FEMM download

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

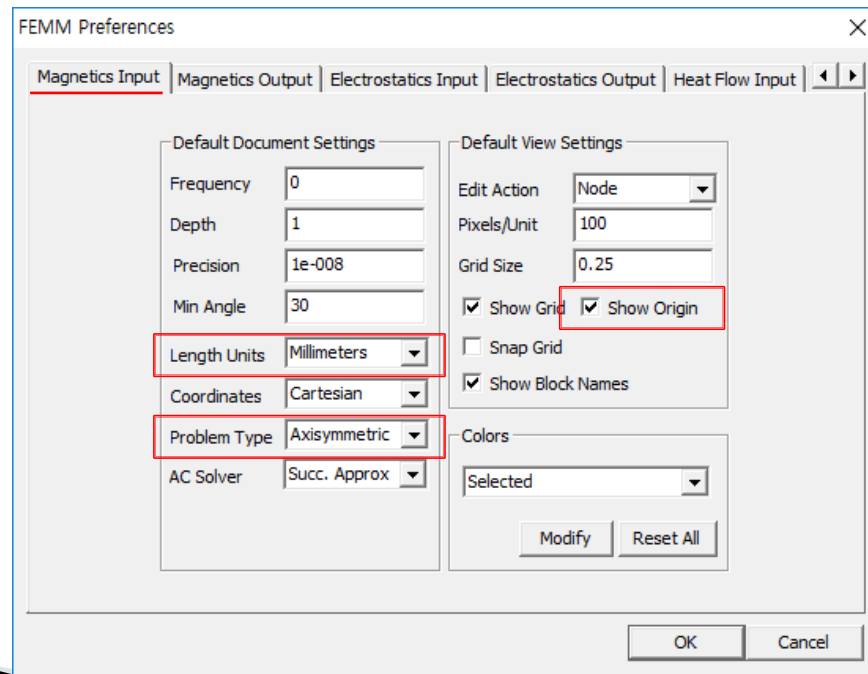


# FEMM Setting

## ➤ 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-Open\_2D Installation files

- [http://solenoid.or.kr/index\\_dosa\\_open\\_2d\\_eng.html](http://solenoid.or.kr/index_dosa_open_2d_eng.html)

Project Name	DoSA-Open_2D (Designer of Solenoids & Actuators)
Project Leader	GiTae Kweon ( <a href="mailto:zgitae@gmail.com">zgitae@gmail.com</a> )
GitHub	<a href="https://github.com/OpenActuator/DoSA-Open_2D">https://github.com/OpenActuator/DoSA-Open_2D</a>
Bulletin Board	<a href="https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng">https://solenoid.or.kr/gtzero1/gt_zboard.php?id=dosa_open_eng</a>
Donation	<a href="#">DoSA-Open Project Donation</a>
File Download	<div>- DoSA-Open_2D Installation File : <a href="#">DoSA-Open_2D_Setup_ver(0.9.11.0).zip</a> - Installation Guide : <a href="#">Install_Guide_ENG.pdf</a> - Solenoid Example File : <a href="#">Solenoid_Sample_ENG.pdf</a> - VCM Example File : <a href="#">VCM_Sample_ENG.pdf</a></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-Open\_2D\_Setup\_ver(x.x.x.x).zip and Unzip it.

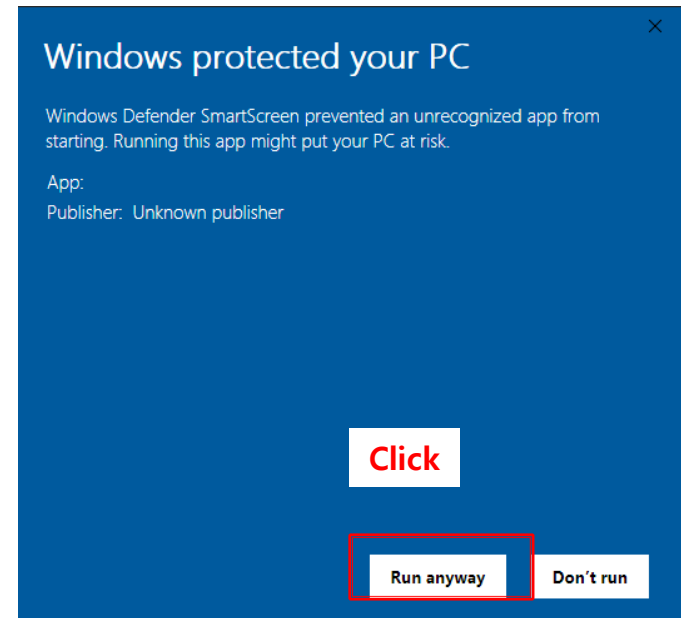
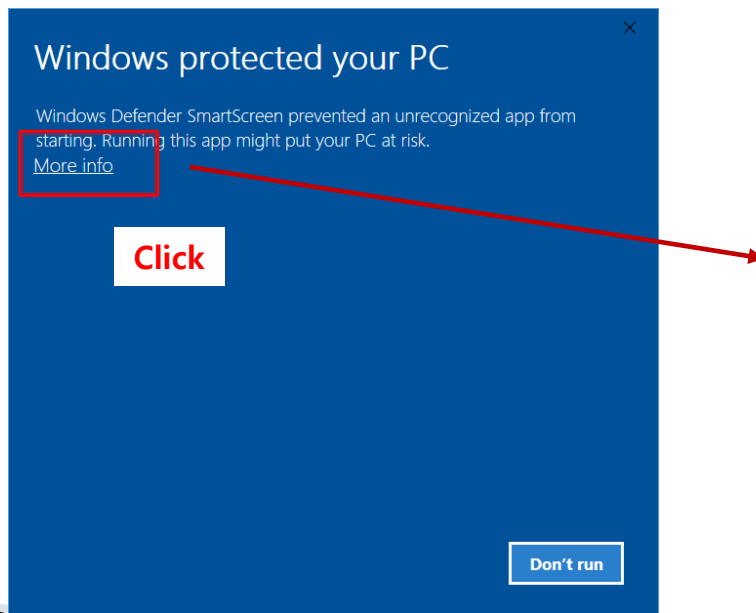
# Install the DoSA

## ➤ Install DoSA-Open\_2D.exe

- Start to install the DoSA-Open\_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-Open is not included due to the cost of digital signature.

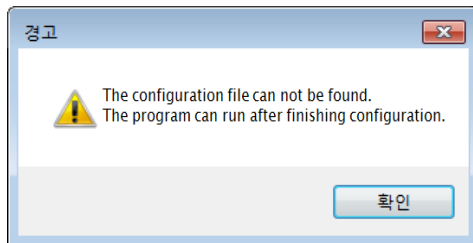


# Run the DoSA

- Handle differently depending on the notification window after running DoSA-Open\_2D

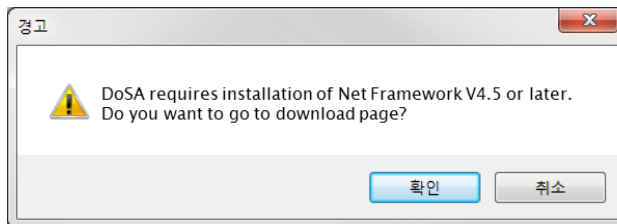


Case.1



**Go to next page**

Case.2



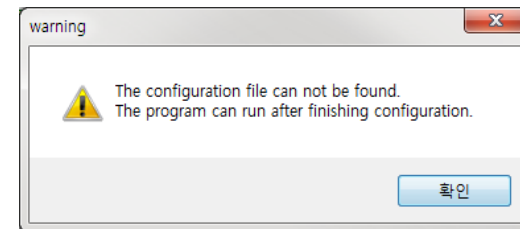
**Version issues**

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

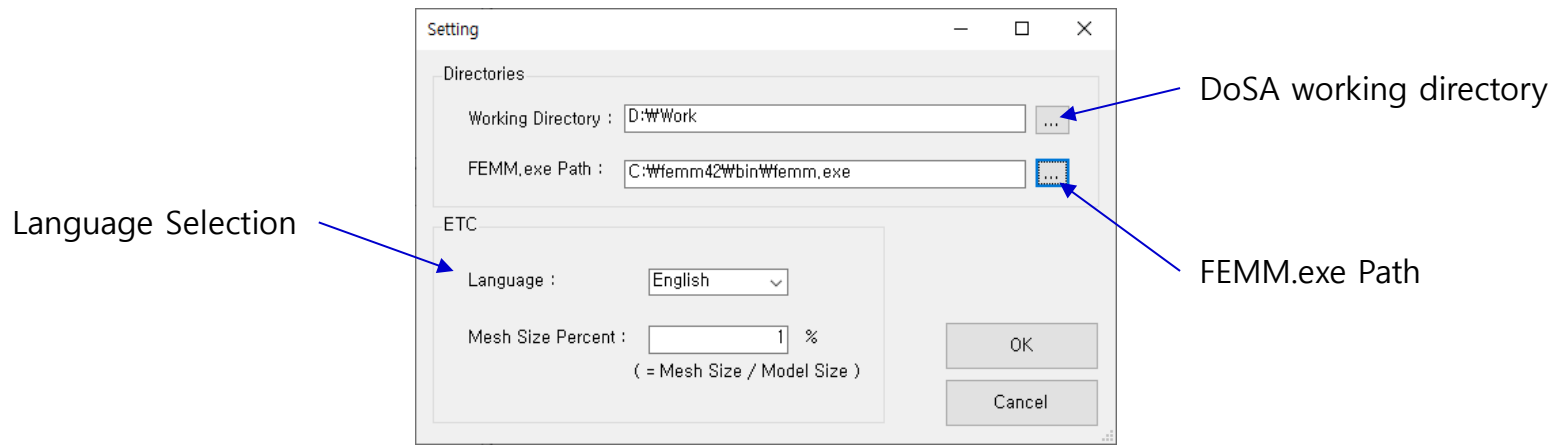
# DoSA Settings

## ➤ 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.

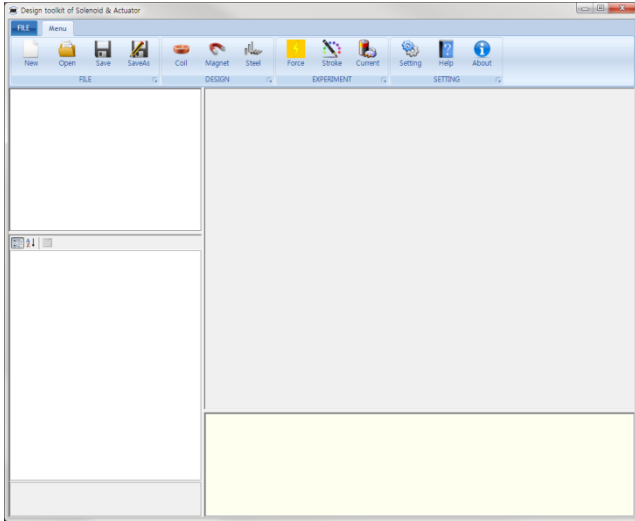


- In the Setting window, select the working directory and the FEMM.exe path.

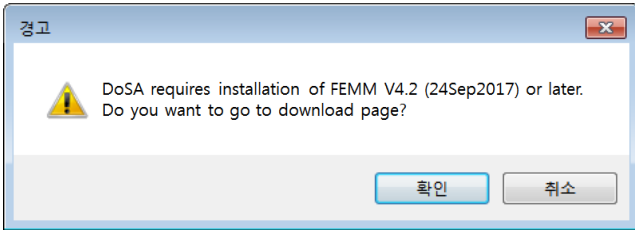


## Finish installation

- After setting, proceed according to the following window.



# Install Complete



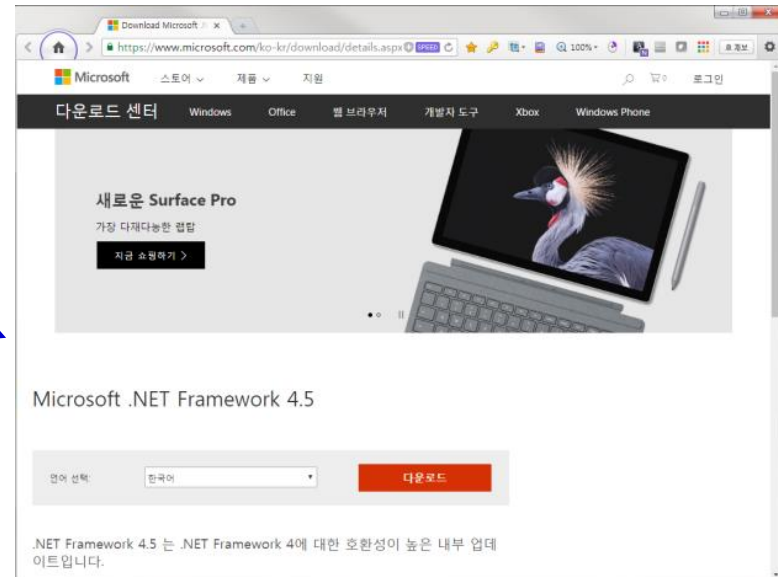
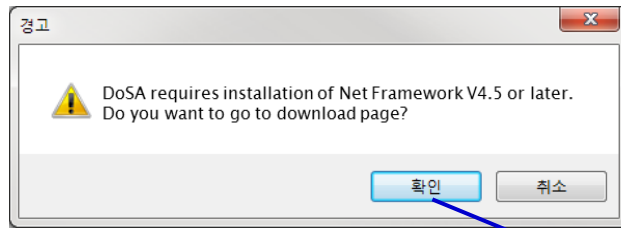
 **FEMM Version issues**  
Install the latest version of FEMM  
and run DoSA.exe again



# [ 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, run DoSA.exe again and continue to install DoSA.

# 감사합니다

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Homepage : <http://openactuator.org>

