

# STKO INSTALLATION GUIDE

Install STKO like a pro and  
troubleshoot basic installation  
issues



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STKO 

Scientific ToolKit for OpenSees

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# FIRST STEPS

**Thanks for your interest in STKO!**

We have prepared this short guide to make sure you can easily install and download STKO. If you have read this guide and still are having trouble, make sure to email us at [info@asdeasoft.net](mailto:info@asdeasoft.net) for help, including screenshots of the problem including any error messages that appear.

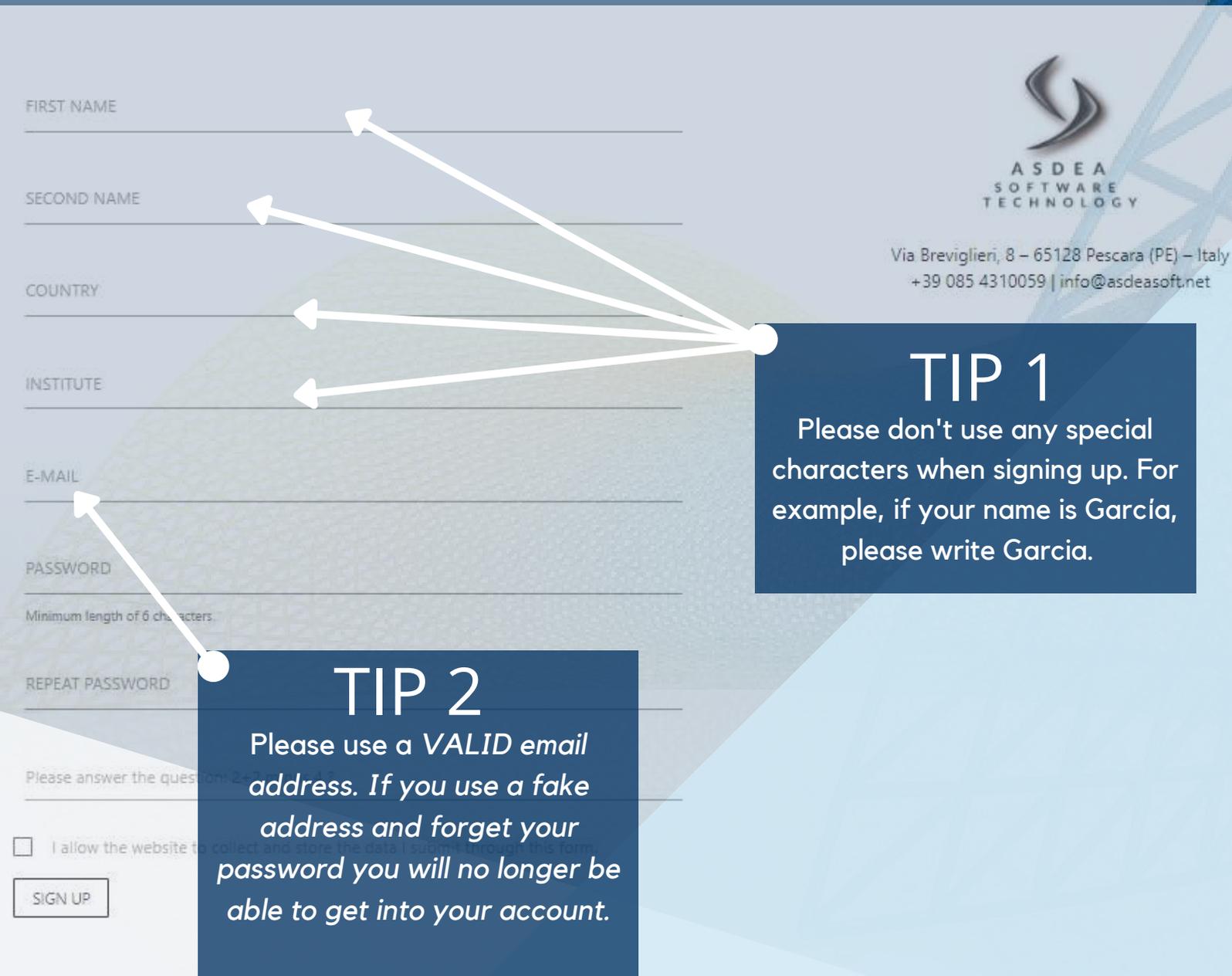
**LET'S GET STARTED!**

# CREATE AN ACCOUNT

## Signing up

If you haven't signed up for a user account on our website you will need to\*. Please go to <https://asdeasoft.net/?register> to register for your account.

\*If you purchased a license from us and we sent you a direct download link, you can skip this step.



The image shows a registration form with the following fields: FIRST NAME, SECOND NAME, COUNTRY, INSTITUTE, E-MAIL, PASSWORD, and REPEAT PASSWORD. The PASSWORD field has a note: "Minimum length of 6 characters." Below the form is a checkbox for "I allow the website to collect and store the data I submit using this form" and a "SIGN UP" button. In the top right corner, there is the ASDEA SOFTWARE TECHNOLOGY logo and contact information: "Via Breviglieri, 8 - 65128 Pescara (PE) - Italy" and "+39 085 4310059 | info@asdeasoft.net".

**TIP 1**  
Please don't use any special characters when signing up. For example, if your name is García, please write Garcia.

**TIP 2**  
Please use a *VALID* email address. If you use a fake address and forget your password you will no longer be able to get into your account.

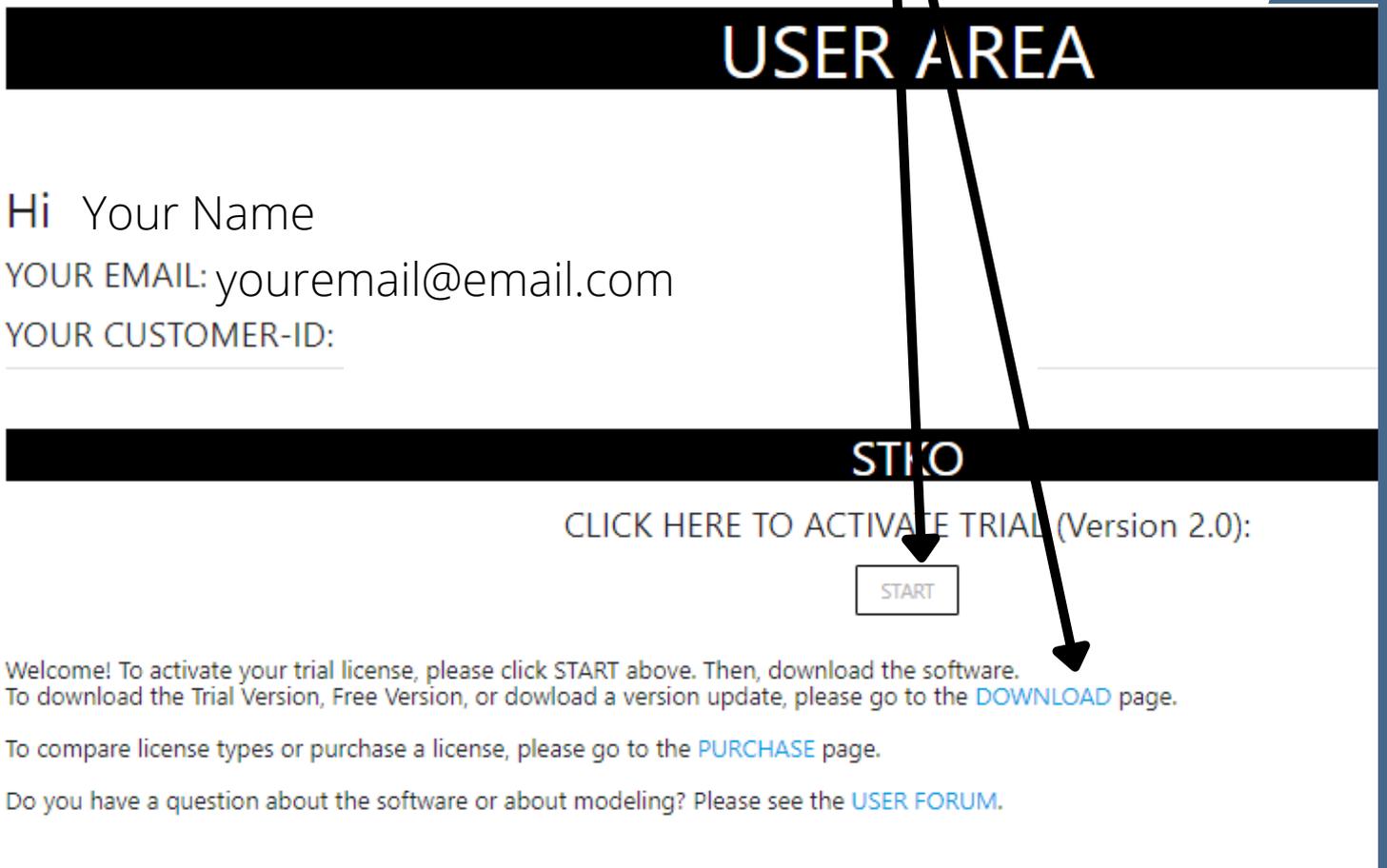
# USER AREA

## Next Step

Once you have logged in, you will be taken to your user area. It will have your name and your email. If you have never used STKO before, your customer ID will be blank.

To start your STKO Trial\*, click the START button and then go to the download page by clicking the link.

\*If you have purchased a license, don't click START; go straight to the download page



**USER AREA**

Hi Your Name  
YOUR EMAIL: you@email@email.com  
YOUR CUSTOMER-ID: \_\_\_\_\_

**STKO**

CLICK HERE TO ACTIVATE TRIAL (Version 2.0):

Welcome! To activate your trial license, please click START above. Then, download the software. To download the Trial Version, Free Version, or download a version update, please go to the [DOWNLOAD](#) page.

To compare license types or purchase a license, please go to the [PURCHASE](#) page.

Do you have a question about the software or about modeling? Please see the [USER FORUM](#).

# DOWNLOAD THE SOFTWARE

## Tips and Tricks

The [download page](#) is fairly straightforward. Click the download button to download STKO. It is important to note that STKO DOES NOT include OpenSees. You will need to download OpenSees separately. On the download page, you can find a list of places where you can download OpenSees.

STKO for OpenSees **FREE Academic License**

Are you ready to try STKO for free?

Create an account, or login to download the *Free Academic License!*  
See the **Purchase Page** for more information on the license types.



Download Your FREE STKO License

**DOWNLOAD**

In addition to downloading STKO, **YOU WILL NEED** to install or compile **OpenSees**.

There are several options:

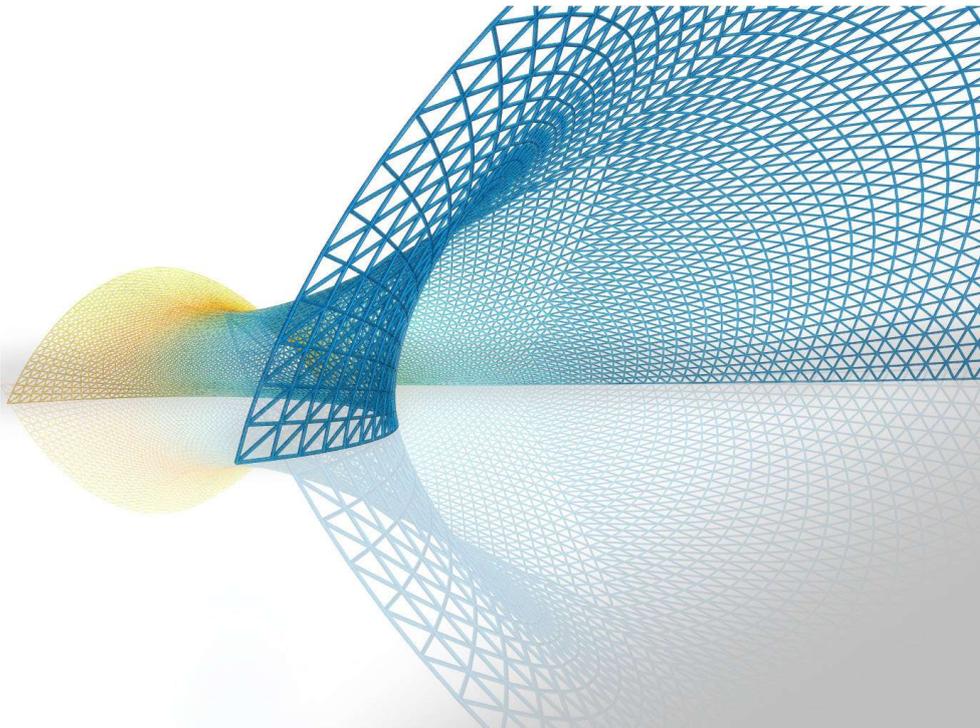
- OpenSees 3.2.2 compiled by prof. Nicola Tarque, Pontifical Catholic University of Peru ([website here](#))  
Features: Sequential OpenSees, Parallel OpenSees, Continuous Updates
  - [Download](#) the precompiled version of OpenSees (sequential) and OpenSeesMP (parallel)
  - Install them in the folder C:\OpenSees-Solvers (Default location)
- Sequential OpenSees compiled by prof. Xin-Zheng LU, Tsinghua University, China ([website here](#))  
Features: Sequential OpenSees
  - [Download](#) the precompiled version of OpenSees (sequential)
  - Put the executable in the folder C:\OpenSees-Solvers (If this file doesn't exist, you will need to create it)

# INSTALLING STKO

## System Requirements

As with all software, STKO has some system requirements needed to run correctly:

- 64-bit processor architecture
- 4 GB memory
- At least 500 MB disk space available for installation
- Video Card supporting at least OpenGL 3.0 or higher and GLSL (OpenGL Shading Language) 1.20 or higher



# INSTALLING STKO

## Executing the file

Once you click the download button, the STKO installer file will begin to download. Once the file has downloaded, click to run the installer.

Download Your FREE STKO License

DOWNLOAD

In addition to downloading STKO, **YOU WILL NEED**

There are several options:

- OpenSees 3.2.2 compiled by prof. Nicola Tarque, Features: Sequential OpenSees, Parallel OpenSees
    - [Download](#) the precompiled version of OpenSees
    - Install them in the folder C:\OpenSees-Solvers
  - Sequential OpenSees compiled by prof. Xin-Zhen
- Features: Sequential OpenSees

STKO-2.0.1-Installe...exe  
6,6/182 MB, 2 min rimanenti

# INSTALLING STKO

## Troubleshooting

Windows may try to block the download.

Make sure you click to run anyway.

You may also run into difficulties with your antivirus software. Make sure to add the program as an exception to avoid problems during your installation.

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.  
[More info](#)

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: STKO-2.0.1-Installer.exe  
Publisher: Unknown publisher

Run anyway

Don't r



Your Antivirus

Program Blocked!

This antivirus has blocked this program from opening

Program

C:\Program Files\STKO\STKO-Uninstall.exe

If you trust this software, you can add an exception

[Add an exception](#)



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STKO

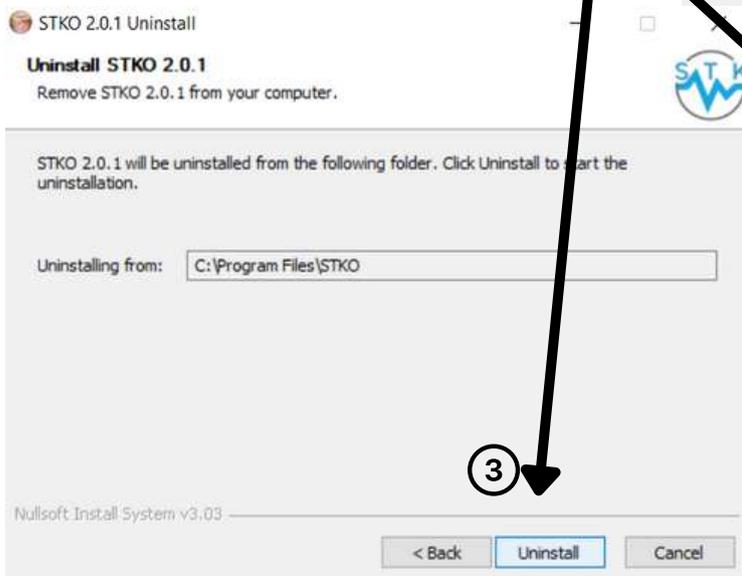
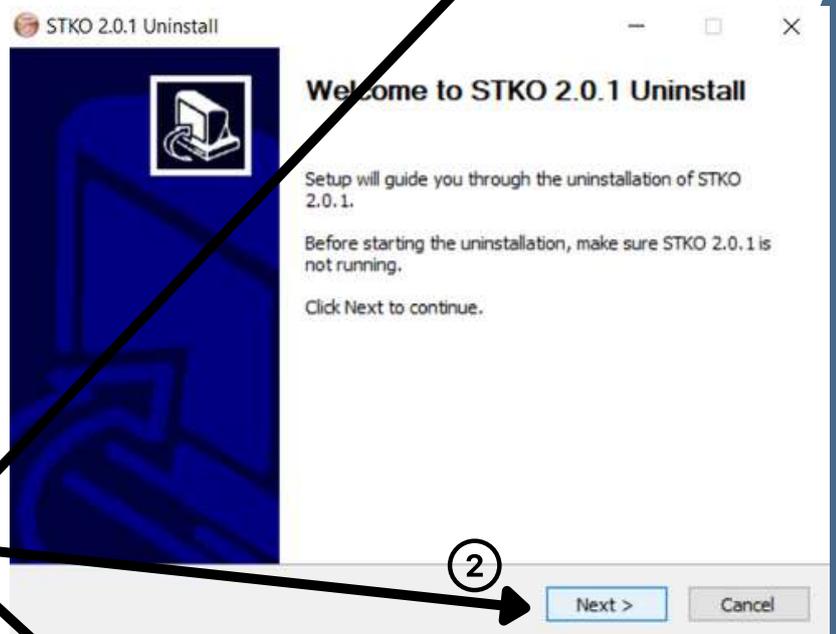
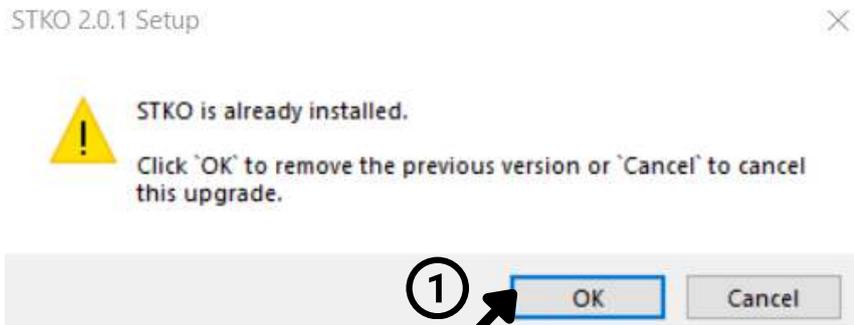
Scientific ToolKit for OpenSees

# INSTALLING STKO

## Uninstalling

If you are installing STKO for the first time, you can skip this step as you won't receive the prompts.

If you have previously installed STKO, the installer will automatically ask to uninstall STKO. You need to uninstall the old program in order to install the new one. Follow the prompts:



# INSTALLING STKO

## Installing

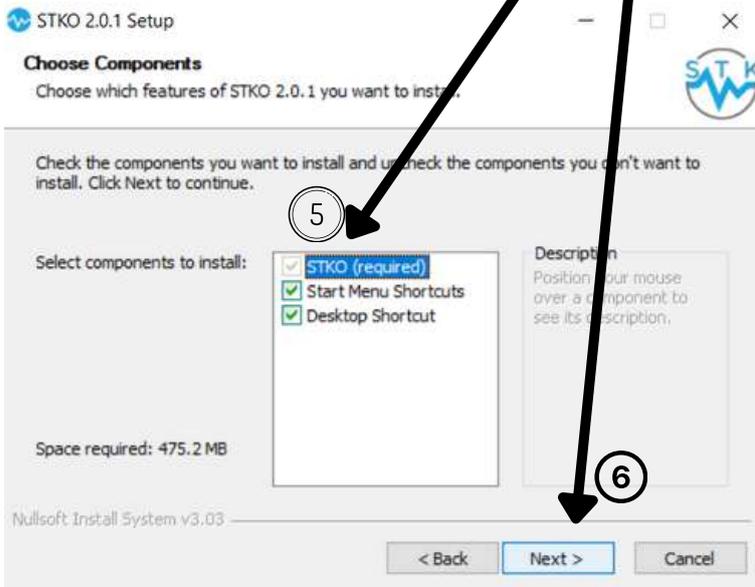
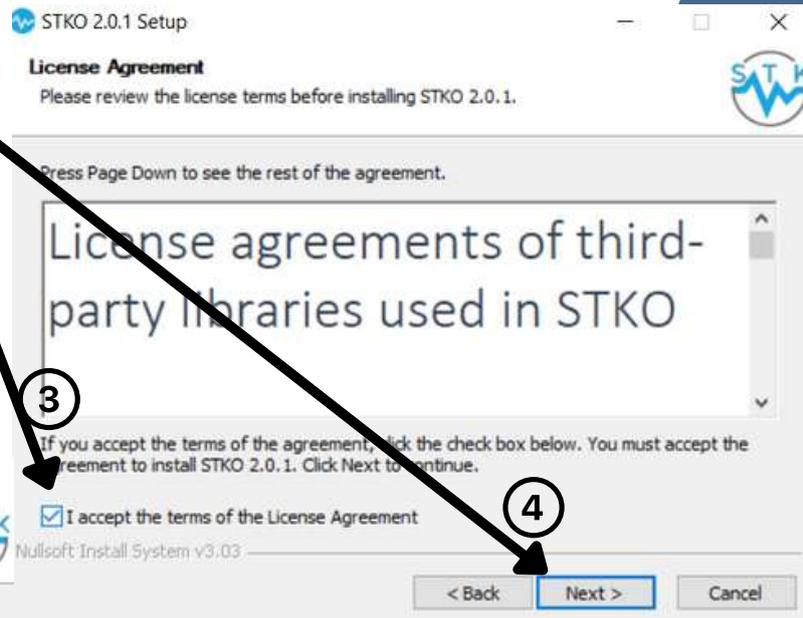
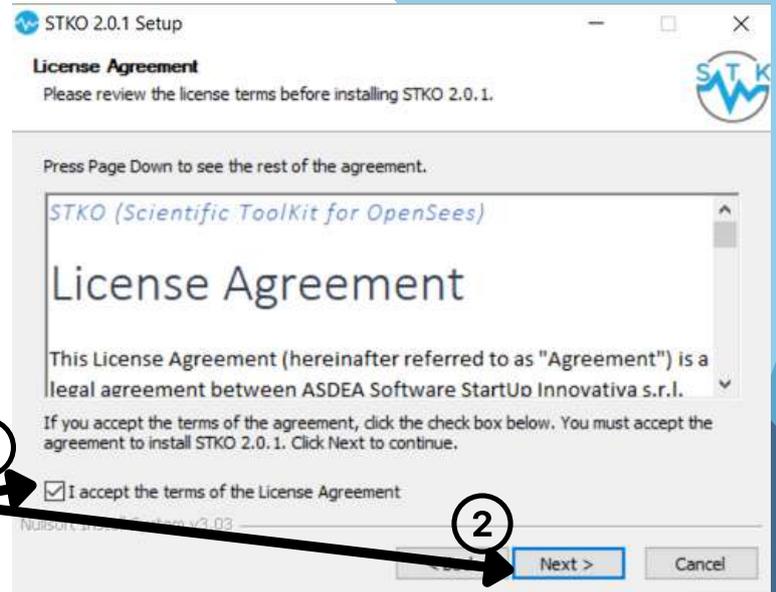
Now you are ready to install STKO!

Follow the prompts of the Setup.

Check the box and agree to the license agreement and click next.

Agree to the user licenses of third-party libraries and click next.

Choose the components you want installed and then click next.



# INSTALLING STKO

## Installing

Choose whom to install the program for and then click Next.

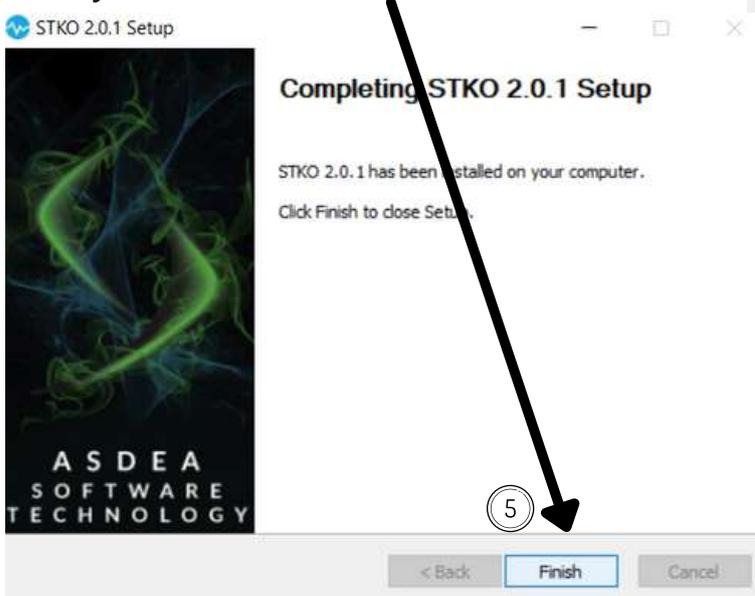
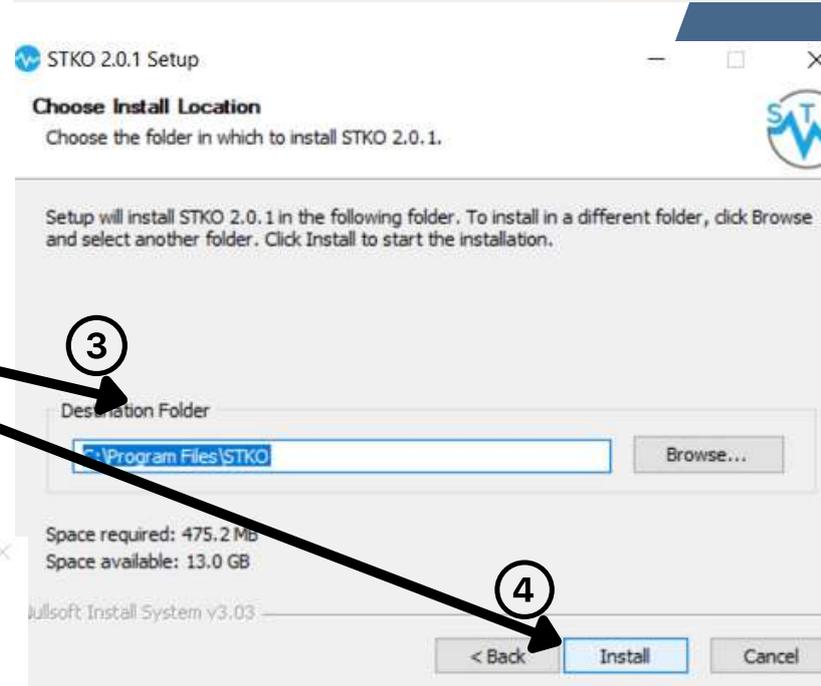
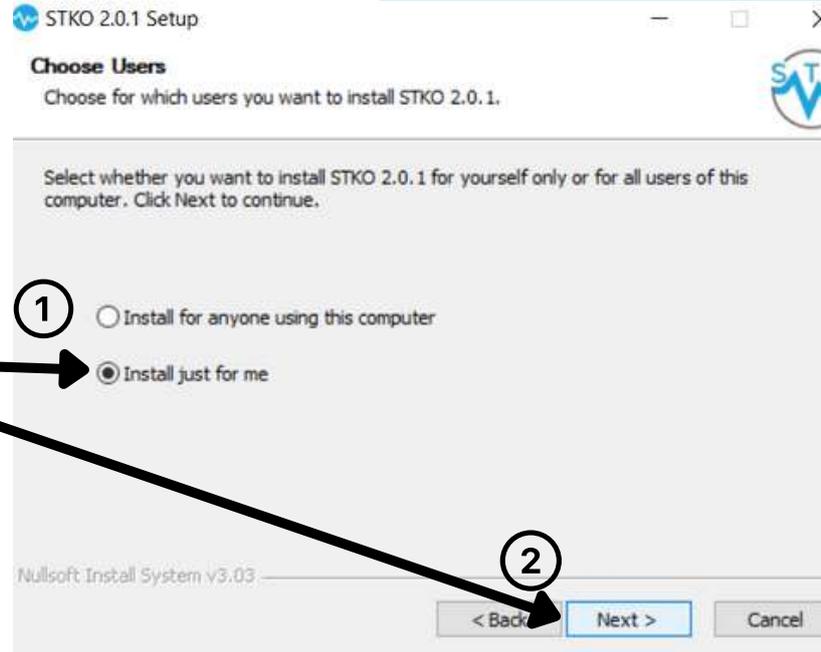
Choose the install location.

We recommend the default folder.

Make sure that there are no special characters in the file name; otherwise, the program won't be able to recognize them.

Then click Install.

Click Finish on the last screen and you are done!



# LAUNCHING STKO

## For the First Time

If you were given a direct download link by our team, you will need to insert your customer IDs when prompted by the software. We will have sent this to you by email. Make sure you insert it correctly, otherwise the software won't be able to validate the license.

If you downloaded the software from our website while you were logged in, the software should automatically recognize your customer ID.

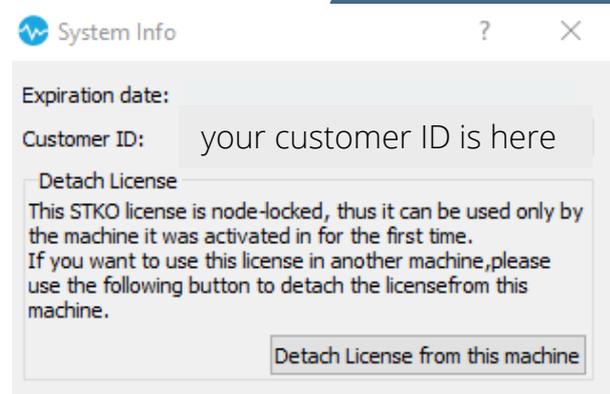
# TROUBLESHOOTING

## Common Errors

This error means your STKO License expired! Don't worry though, you will still be able to use the Free version. If you believe you have a working license, there are a few things that may have gone wrong.

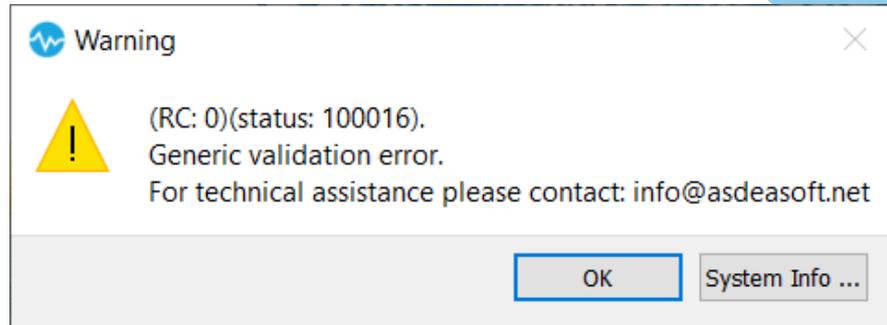
Open STKO and click Help, then System Info. Check that the customer ID listed is the correct one for the license. If it is different, you will need to write to us and ask for a tool to switch the license. Please provide us with the current Customer ID on your computer and the customer ID of the license you want to be using.

If, instead, the customer ID is correct, and the expiration date is blank, likely, you did not install STKO as the administrator. Try downloading STKO again and running the installation as the computer's administrator.



# TROUBLESHOOTING

## Common Errors



This particular error is caused by a Microsoft update which creates problems reading our licensing software's (sentinel ems) security key.

This is a known bug with certain Microsoft 7 updates.

However, as Microsoft windows 7 is no longer supported, the relevant articles on the update that causes the issue (kb 2661254) are no longer accessible on the Microsoft website.

To fix it, there are a few options. You can try to roll back the update to a previous version, however, its possible that more than one Windows 7 update contains that particular packet and it may be difficult to find a version without it.

What we would recommend is upgrading to Windows 10

This was possible for free in the past, and it may still be.

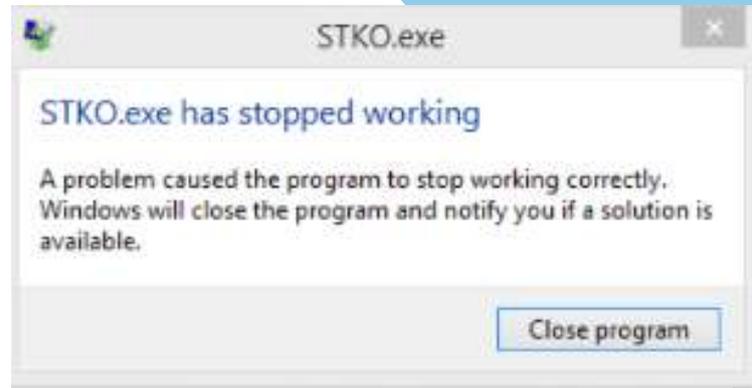
Otherwise, you can attempt to install STKO on a different computer.

If you aren't using Windows 7, or you received a different error code please let us know.

# TROUBLESHOOTING

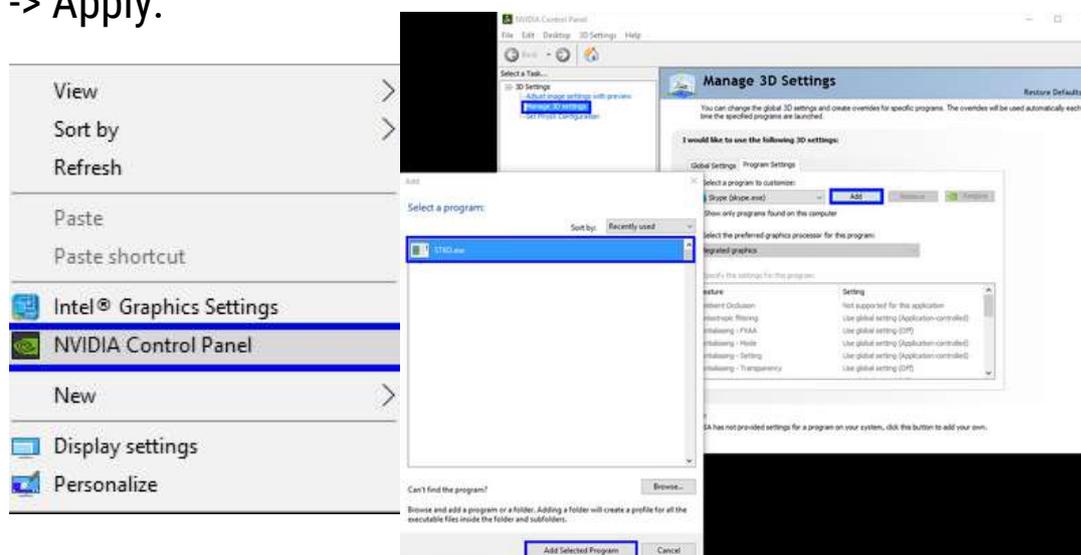
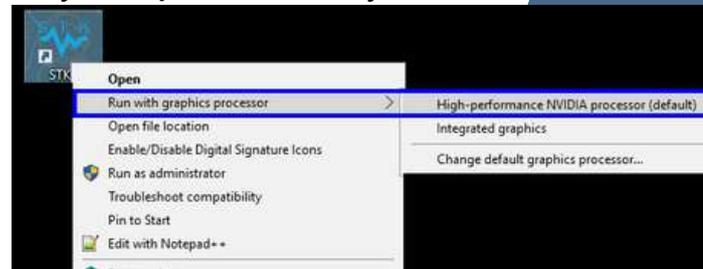
## Common Errors

If you see an error window similar to this, or if STKO crashes upon opening, the likely culprit is your graphics card or graphics settings.



Some graphics cards don't support the minimum requirements of STKO. If you are using a laptop, your computer may come with two graphics cards: an integrated one (energy saving), and an Nvidia (or other type). You should attempt to change the graphic card accessed when you open STKO by following one of these two procedures:

1. Right-click on the STKO icon and select Run with graphics processor -> High-performance NVIDIA processor (default).
2. Right-click on the desktop and run NVIDIA Control Panel -> Manage 3D settings -> ADD -> STKO.exe -> Add Selected Program -> Apply.



Note that method 1 is faster, but you will need to do it every time you want to run STKO. Method 2 is slower, but you will only have to do it once. Let us know if this doesn't solve the problem.

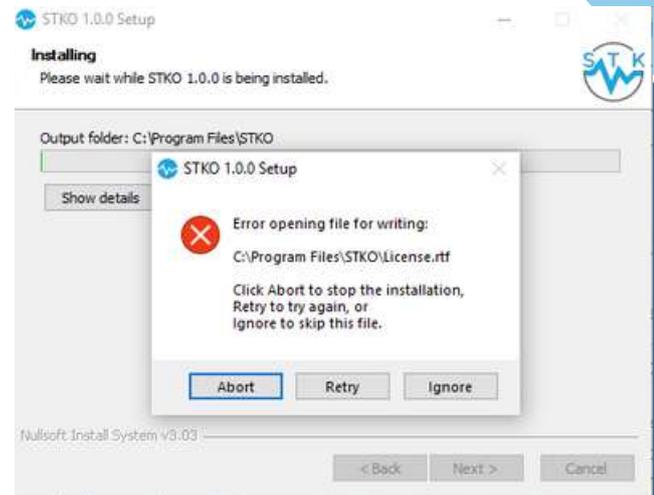
# TROUBLESHOOTING

## Common Errors

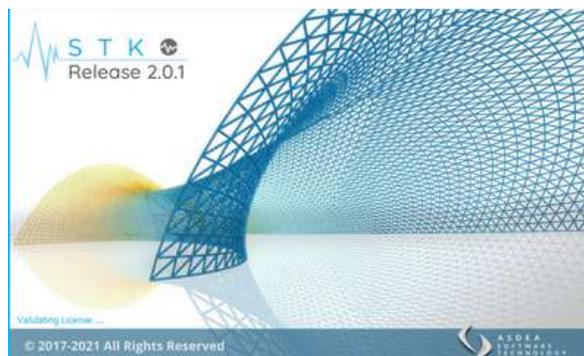
This is a simple error to solve.

If you are seeing this error it is likely caused by one of two things:

1. You are attempting to reinstall the program while you have it open. Please close the program and try again.
2. You are trying to install the program but you don't have administrator rights. In this case, make sure you run the installation as the administrator.



Is STKO stuck on the validation screen? Usually, this means that an error code has opened behind the software. Hover your mouse over the STKO icon on the toolbar to see if there is a second window open. If there is, hold down the Shift Key, then right-click the hidden error code on the toolbar and click move. Then drag it out from behind the validation screen.



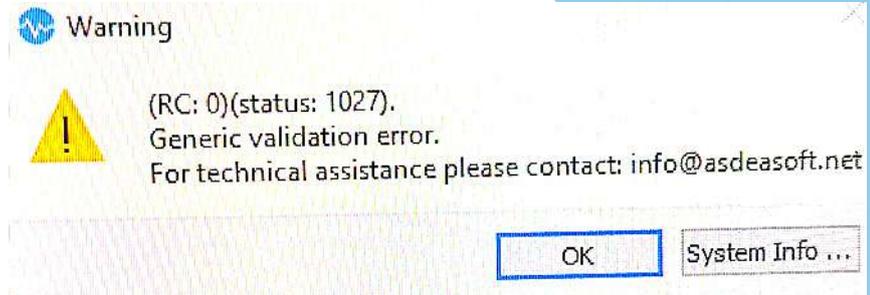
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# TROUBLESHOOTING

## Common Errors

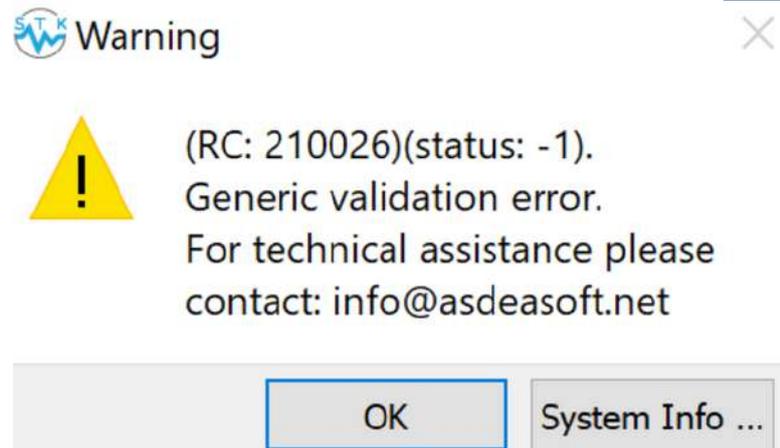
Error 1027 likely means that you did not install STKO as the administrator.

Try downloading STKO again and running the installation as the computer's administrator.



Error 210026 is a tricky error to solve.

What this means is that there is a problem with your system's clock. Our licenses validate their expiration dates by using your device's time settings. If the licensing system sees that the time is not accurate, it will not connect to your license. Try changing your system's clock settings to automatic to sync the time and date with the online server. [You can find guides on how to do this by doing a quick Google search.](#) If that doesn't fix the problem, there may be something interfering with the clock. Try scanning your computer for malware which can maliciously change the time settings. Cracked software or other non-licensed programs could also be tampering with the time. If you are using a computer supplied by your workplace or school talk to the IT personnel. If you are still unable to fix the issue, contact us.



# THE END

## Happy Modeling!

We hope you were able to easily and quickly install STKO and troubleshoot basic errors using this guide. If you have encountered an error message not seen in this guide, or need further assistance, we are always happy to help you. Email us at [info@asdeasoft.net](mailto:info@asdeasoft.net).

If you have questions about modeling using STKO, make sure to ask those on our user forum:

<https://asdeasoft.net/forum/>