SCORG™ Installation User Guide

SCORG™ is a software for design and analysis of Screw Compressors, Pumps and Motors. It allows grid generation of moving domains for such machines to be analysed by use of Computational Fluid Dynamics (CFD) with selected CFD solvers. SCORG™ is designed to minimise efforts and maximise efficiency of the design process through profile handling, geometry and preliminary thermodynamic evaluation and grid generation of a large number of positive displacement rotary machines with multiple rotor arrangements. For more information on the product please visit the website: www.pdmanalysis.co.uk or refer to documentation help.

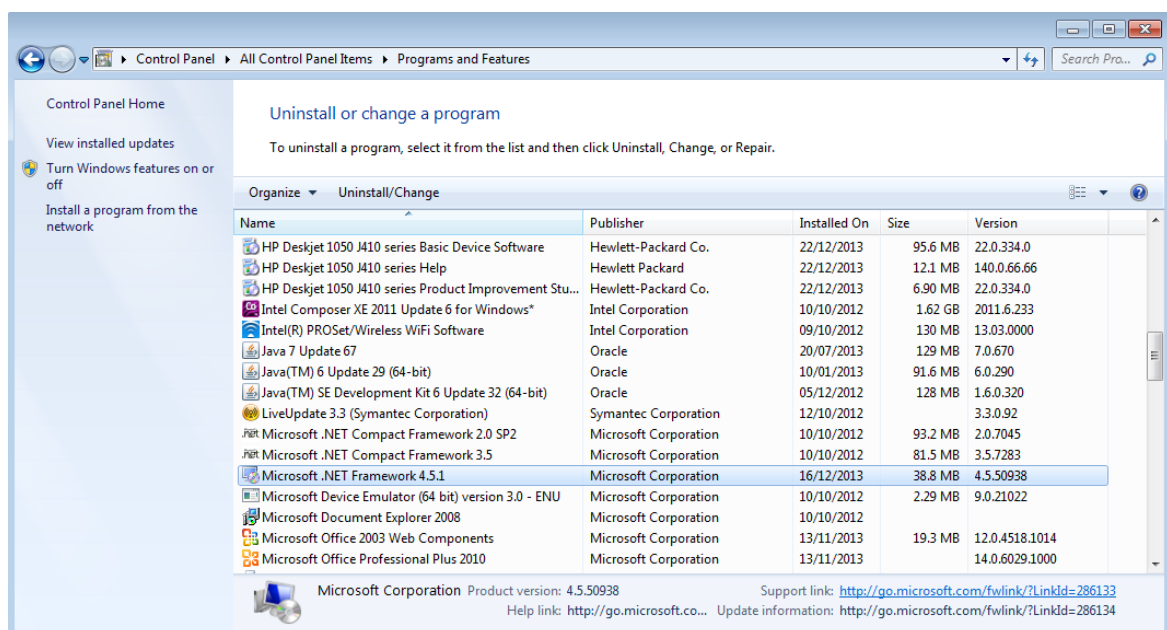This guide lists the steps for installing SCORG™ on a Microsoft Windows machine.

System Requirements:

- Operating System: Windows 7 or higher versions with 32bit or 64 bit type.
- MS .Net framework 4.5.1 or higher. (Available at http://www.microsoft.com/en-gb/download/details.aspx?id=40779)
- RAM: Recommended more than 2.0GB.
- Admin rights required for installation.

The software will generally be provided as an online download or on a CD image. The installation directory consists of SCORG™ installation and MS .NET framework 4.5.1 for systems that do not already have the libraries.
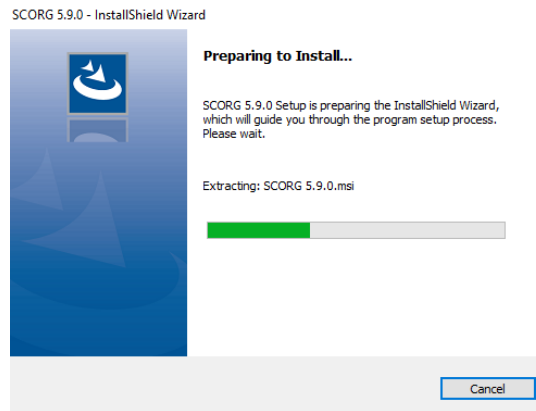
Installation:

STEP 1. Check if the system already has .Net Framework 4.5.1 or higher. This can be done by inspecting the Control Panel → Programs and Features
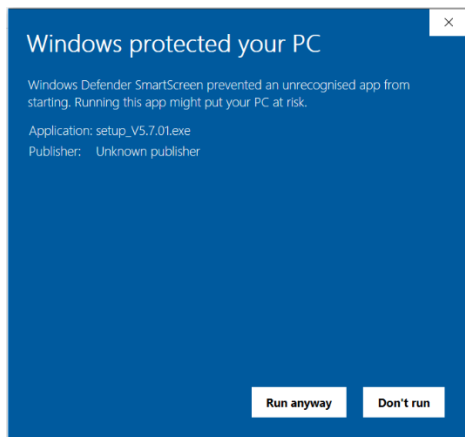
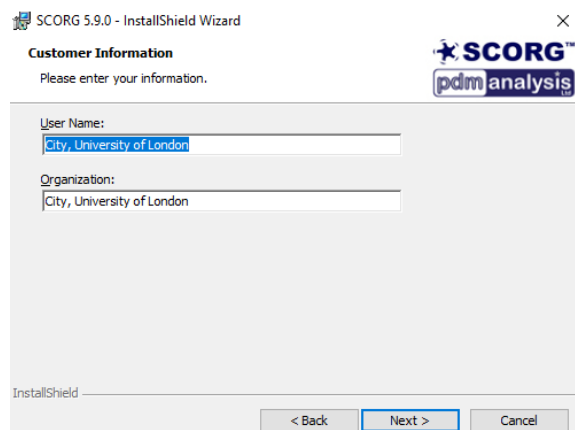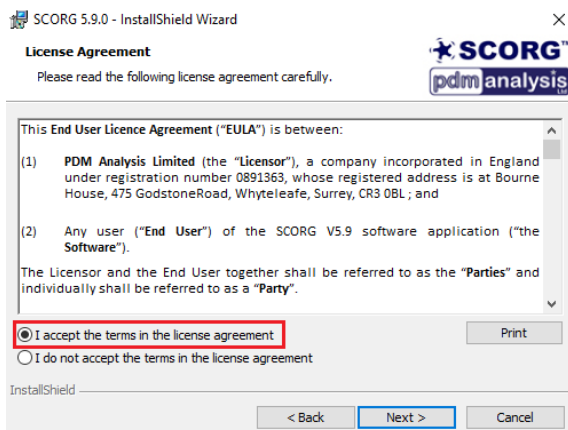If the framework is absent or a lower version is found then install the latest version. Download from http://www.microsoft.com/en-gb/download/details.aspx?id=40779

STEP 2.   Launch the SCORG^{TM} installer by running the [*setup.exe*] from the installation disk.

Click 'Run anyway' in case protected message is displayed by Windows SmartScreen.
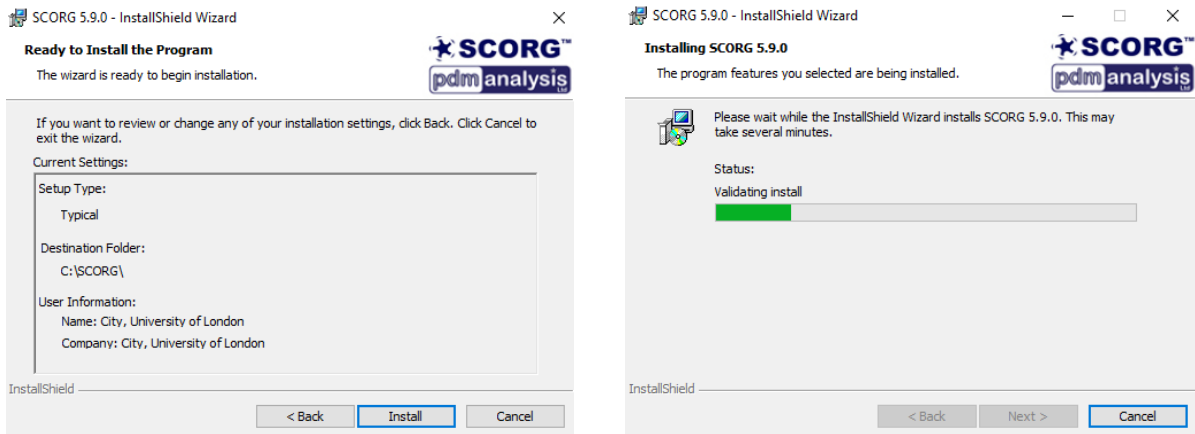
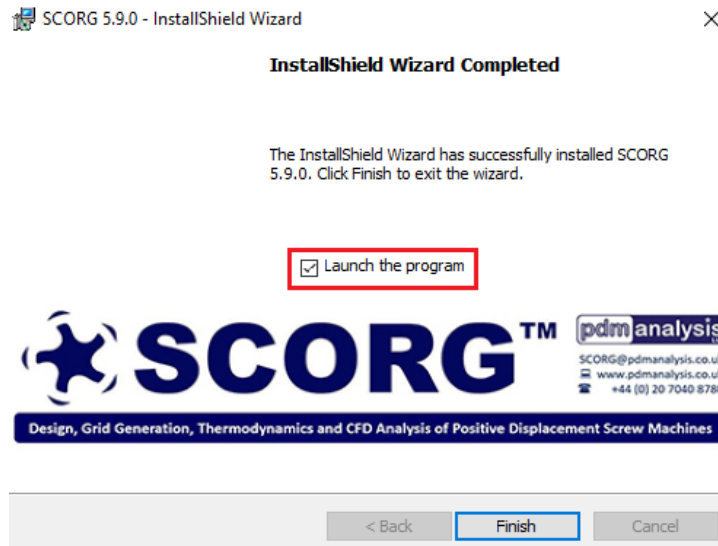**STEP 3.**   Accept the PDM Analysis Ltd licensing terms.

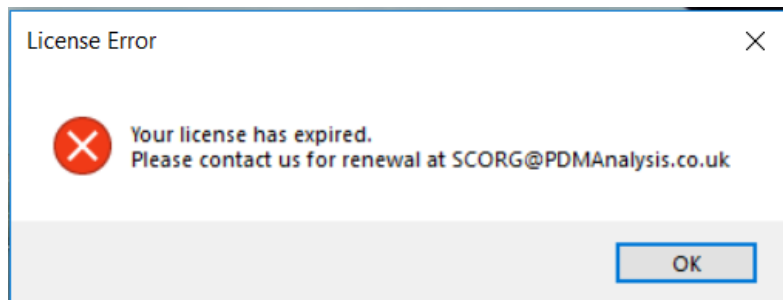**STEP 4.**   Enter the User Name and Organization.
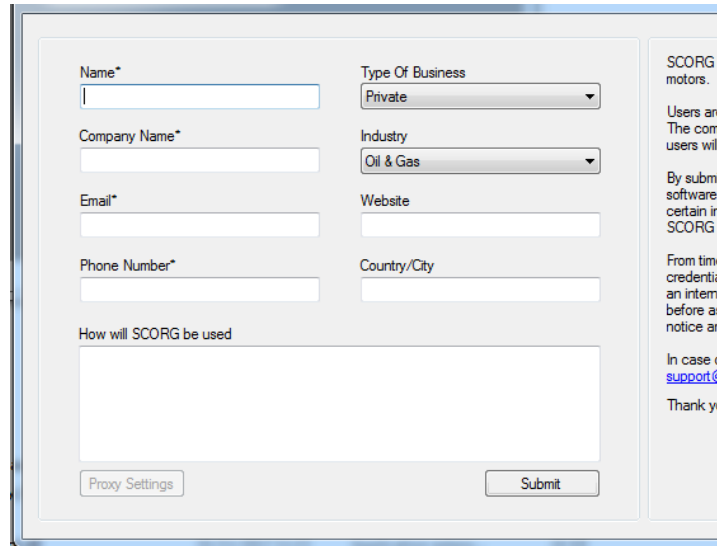
STEP 5. Install.

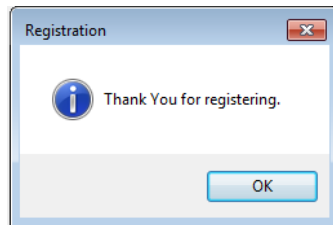**STEP 6.** Click Finish with Launch the program

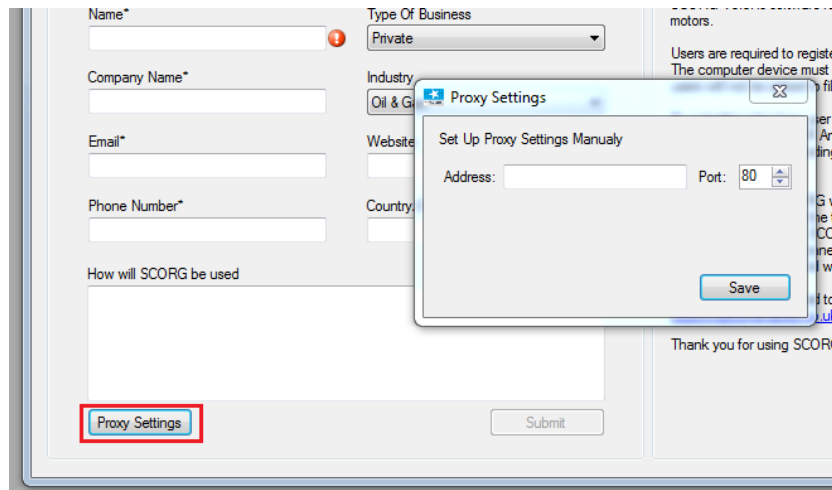**STEP 7.** When asked to open the license folder, Click NO

STEP 8. A product registration form is mandatory to be filled and submitted for the licensing of SCORG v5.9. Enter the correct details in the registration form and Submit. An active internet connection will be required for submission.

Once successfully registered, the below message should be seen.

STEP 9. In case your organisation uses a Proxy server to access the internet, the corresponding IP and port number can be entered in the form for submission.

STEP 10. After this stage SCORG will launch in DEMO mode. i.e. you can use it to view existing projects, access help documentation and tutorial documentations. All the calculations will be disabled.

STEP 11. Send the 'request.lic' file from C:\SCORG\License Folder to PDM Analysis contact.

STEP 12. PDM Analysis will send you an email with a valid license file.

STEP 13. Save the license file [scorg.lic] in the License folder.

STEP 14. Now the product can be used in Full mode.

Once the Full license has expired, SCORG will operate in DEMO mode.

License Options available:

- **Grid:** Full grid generation license. User can import and modify User profile and perform grid generation for CFD calculations, use full Geometry module and generate DEMO profile in the Profile Generation Module.
- **Thermodynamics:** Full multi-chamber Thermodynamics license. User can import and modify User profile, use full Geometry module and generate DEMO profile in the Profile Generation Module. User can calculate full multi-chamber Thermodynamics module.
- **Complete:** Full multi-chamber Thermodynamics and grid generation license.

End of Document

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