

SCORGTM Installation User Guide

SCORGTM 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. SCORGTM 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 SCORGTM 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 <u>http://www.microsoft.com/en-gb/download/details.aspx?id=40779</u>)
- 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 SCORGTM 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 \rightarrow Programs and Features

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Control Panel →	All Control Panel Items Programs and Features				👻 🍫 Searc	:h Pro 🔎	
Control Panel Home	Uninstall or change a program						
View installed updates	To uninstall a program select it from the list and then click Uninstall. Change or Renair						
Turn Windows features on or	res on or						
off	Organize 🔻 Uninstall/Change	Organize 🔻 Uninstall/Change 🔠 💌 🔞					
Install a program from the network	Name	Publisher	Installed On	Size	Version	-	
	HP Deskjet 1050 J410 series Basic Device Software	Hewlett-Packard Co.	22/12/2013	95.6 MB	22.0.334.0		
	HP Deskjet 1050 J410 series Help	Hewlett Packard	22/12/2013	12.1 MB	140.0.66.66		
	🔂 HP Deskjet 1050 J410 series Product Improvement Stu	Hewlett-Packard Co.	22/12/2013	6.90 MB	22.0.334.0		
	Intel Composer XE 2011 Update 6 for Windows*	Intel Corporation	10/10/2012	1.62 GB	2011.6.233		
	Intel(R) PROSet/Wireless WiFi Software	Intel Corporation	09/10/2012	130 MB	13.03.0000		
	🔬 Java 7 Update 67	Oracle	20/07/2013	129 MB	7.0.670	E	
	🕌 Java(TM) 6 Update 29 (64-bit)	Oracle	10/01/2013	91.6 MB	6.0.290		
	▲ Java(TM) SE Development Kit 6 Update 32 (64-bit)	Oracle	05/12/2012	128 MB	1.6.0.320		
	😻 LiveUpdate 3.3 (Symantec Corporation)	Symantec Corporation	12/10/2012		3.3.0.92		
	.net Microsoft .NET Compact Framework 2.0 SP2	Microsoft Corporation	10/10/2012	93.2 MB	2.0.7045		
	.het Microsoft .NET Compact Framework 3.5	Microsoft Corporation	10/10/2012	81.5 MB	3.5.7283		
	Microsoft .NET Framework 4.5.1	Microsoft Corporation	16/12/2013	38.8 MB	4.5.50938		
	Microsoft Device Emulator (64 bit) version 3.0 - ENU	Microsoft Corporation	10/10/2012	2.29 MB	9.0.21022		
	🔀 Microsoft Document Explorer 2008	Microsoft Corporation	10/10/2012				
	Microsoft Office 2003 Web Components	Microsoft Corporation	13/11/2013	19.3 MB	12.0.4518.1014		
	Sa Microsoft Office Professional Plus 2010	Microsoft Corporation	13/11/2013		14.0.6029.1000	-	
Microsoft Corporation Product version: 4.5.50938 Support link: http://go.microsoft.com/fwlink/?Linkld=2861 Help link: http://go.microsoft.co Update information: http://go.microsoft.com/fwlink/?Linkld=2861						<u>6133</u> 6134	



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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 SCORGTM installer by running the [*setup.exe*] from the installation disk.

SCORG 5.9.0 - InstallShield Wiz	ard
	Preparing to Install
	SCORG 5.9.0 Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Extracting: SCORG 5.9.0.msi
	Cancel

Click 'Run anyway' in case protected message is displayed by Windows SmartScreen.



STEP 3. Accept the PDM Analysis Ltd licensing terms.

🛃 SCORG 5.9.0 - InstallShield Wizard	×	🛃 SCORG 5.9.0 - InstallShield Wizard	×
License Agreement	SCORG	Customer Information	🛠 SCORG"
Please read the following license agreement carefully.	pdmanalysis	Please enter your information.	pdmanalysiន្ល
This End User Licence Agreement ("EULA") is between: (1) PDM Analysis Limited (the "Licensor"), a company incorgunder registration number 0891363, whose registered active acti	porated in England didress is at Bourne and application ("the as the "Parties" and Print	User Name: City, University of London Organization: City, University of London	
InstallShield 	> Cancel	InstallShield < Back	Next > Cancel

STEP 4. Enter the User Name and Organization.





STEP 5. Install.

🕼 SCORG 5.9.0 - Insta	IIShield Wizard	×	🛃 SCORG	5.9.0 - InstallShield Wizard	– 🗆 X
Ready to Install the Program		*SCORG"	Installing SCORG 5.9.0		*SCORG"
The wizard is ready	to begin installation.	pdm analysis	S The program features you selected are being installed.		pdmanalysis
If you want to review exit the wizard. Current Settings:	w or change any of your installation settings, clic	sk Back. Click Cancel to	P	Please wait while the InstallShield Wizard installs take several minutes.	SCORG 5.9.0. This may
Setup Type:				Status:	
Typical					
Destination Folder: C:\\$CORG\ User Information: Name: City, Uni Company: City,	versity of London University of London		To the Michael of A		
Instalishield ————	< Back Insta	all Cancel	Instalionielo -	< Back	Next > Cancel
STEP 6.	Click Finish with Lat	unch the program	1		
	🖟 SCORG 5.9.0 - InstallS	hield Wizard		×	
		InstallShield V	/izard Com	pleted	



Cance

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.





Name*	Type Of Business	
Į.	rnvate	
Company Name*	Industry	
	Oil & Gas 🗸 🗸	
Email*	Website	
Phone Number*	Country/City	l r
How will SCORG be used		
Proxy Settings	Submit	

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.

Name*	Type Of E Private	Business	motors.
Company Name*	Industry Oil & Gi	🛃 Proxy Settings	Users are required to registe The computer device must
Email*	Website	Set Up Proxy Settings Manualy	Post: 20
Phone Number*	Country.	Address.	G v et
How will SCORG be used			Save ito
			Thank you for using SCORO
Proxy Settings		Submit	

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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