

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

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 Rep.	air			
Turn Windows features on or	ro annsan a program, select it norn the list and then	click offitistall, change, of hepi				
off	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	
	🛃 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	
	EiveUpdate 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	
	前t 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	
	S Microsoft Office Professional Plus 2010	Microsoft Corporation	13/11/2013		14.0.6029.1000	



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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	DRG™	Customer Information	🛠 SCORG"
Please read the following license agreement carefully.	nalysiື່ຍ	Please enter your information.	pdm analysis
This End User Licence Agreement ("EULA") is between: (1) PDM Analysis Limited (the "Licensor"), a company incorporated in Engling under registration number 08/1863, whose registered address is at Be House, 475 GodstoneRoad, Whyteleafe, Surrey, CR3 0BL; and (2) Any user ("End User") of the SCORG V5.9 software application Software"). The Licensor and the End User together shall be referred to as the "Parties individually shall be referred to as a "Party". Image: Individually shall be referred to as a "Party". Image: Individually shall be in the license agreement Image: Individually the interms in the license agreement	ourne ("the	User Name: City, University of London Organization: City, University of London	
InstallShield	ancel	InstallShield	Next > Cancel

STEP 4. Enter the User Name and Organization.





STEP 5. Install.

SCORG 5.9.0 - InstallShield Wizard		5.9.0 - InstallShield Wizard	- 🗆 X
Ready to Install the Program 😵 SCORG"		ng SCORG 5.9.0	🖈 SCORG
The wizard is ready to begin installation.	nalysis The pr	ogram features you selected are being installed.	pdm]analysis
If you want to review or change any of your installation settings, click Back. Click Ca exit the wizard.	ncel to	Please wait while the InstallShield Wizard installs State several minutes.	CORG 5.9.0. This may
Current Settings:		Status:	
Setup Type:		Validating install	
Typical			
Destination Folder:			
C:\SCORG\			
User Information:			
Name: City, University of London			
Company: City, University of London			
Ref - 11			
IIShield	InstallShield		Next > Cancel
< Back Install	Cancel	< Back	Next > Cancel
TEP 6. Click Finish with Launch the	e program		
	program		
👭 SCORG 5.9.0 - InstallShield Wizar	d	×	
10	-		
In	stallShield Wizard Co	mpleted	



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 Private	: r
		!
Company Name*	Industry Oil & Gas	L
		1
Email*	Website	
Phone Number*	Country/City	
How will SCORG be used		
The 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*	0	Type Of Private	Business	motors. Users are required to registe The computer device must
Company Name*		Oil & Gi Website	Proxy Settings Set Up Proxy Settings Manualy	Fill Fill Fill Fill Fill Fill Fill Fill
Phone Number*		Country.	Address:	Port: 80 💌 G v iet CO
How will SCORG be used				Save ito
				Thank you for using SCOR(
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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