

Installation Guide

ENVIRONMENTAL DESIGN SOLUTIONS LIMITED

Installation Guide for Tas

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Preface and Advisory Notes

After installing both the software and SafeNet Sentinel dongle drivers (please see Chapter 3 for details of how to do this), you must register the software in order to obtain license keys. The keys will then be stored on the USB dongle, allowing you to plug the dongle into other Tas-ready machines and run simulations on other workstations with the same license.

On the Tas Manager, click on the Register button and copy the Tas Engineering/Architecture ID into the Tas Keys page on the EDSL website. Copy and paste the Engineering/Architecture ID to avoid mistyping an alphanumeric character. License keys will then be auto-generated and emailed to the address that you've typed in. Click the link below to open the keys webpage.

<http://www.edsl.net/main/Support/Keys.aspx>

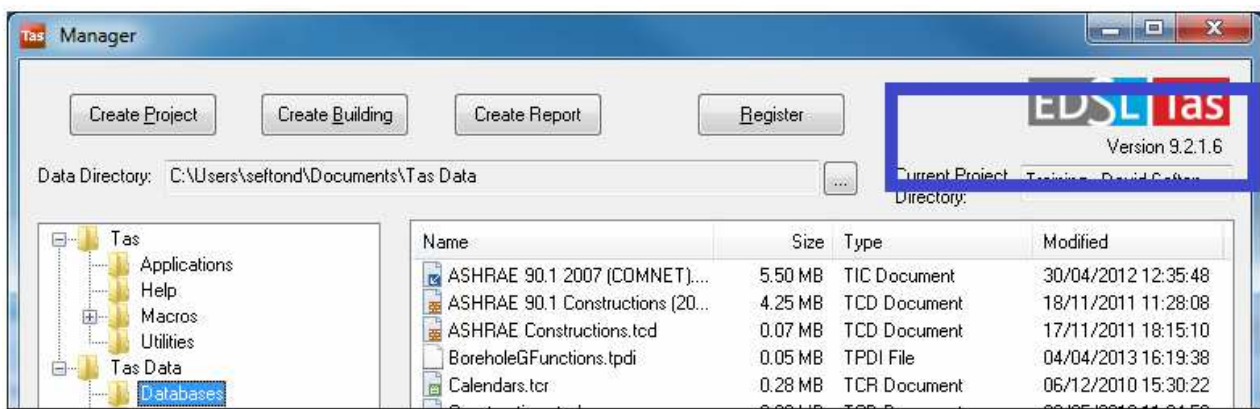
Please be advised that you must have a maintained and supported perpetual license or an Academic site license to be able to auto-generate license keys. All other users will have to email their Tas Engineering/Architecture ID to 'support@edsl.net' to request new license keys.

Now copy and paste the license keys onto the Registration window and click on the Set Keys button.

Upgrading from Tas version 9.1.x

You must use the latest version of Tas Engineering software with the latest release of the EPCgen program in order to produce non-domestic energy performance certificates (EPCs) which are suitable for lodgement.

The current release version of Tas at the time of writing is **v9.2.1.6** but you can always check whether you've got the most up-to-date version by visiting 'www.edsl.net' and navigating to the downloads page. You can then compare the current release version against the version number on your Tas Manager (an example screenshot of this is provided below).



If you have upgraded the software *after* having already started an assessment for Part L2 compliance, or you wish to continue working on an EPC project in a later version of Tas, you *must* remove the existing NCM internal conditions from your source building data file (the file extension will be '.tbd') and replace them with internal conditions from the latest release of the NCM database.

The most up-to-date versions of the NCM databases is included in the Tas installation file. After installing the software, go to your *My Documents\Tas Data\Databases* folder to see which versions of the databases you have. The current NCM database of internal conditions is *NCMActivity_v4.1.4* (at the time of writing).

Also, if the default calendar has been used in the Part L2/EPC source model, then it must be replaced with *NCM Standard* calendar from the calendars database.

New license keys will be needed when you upgrade from v9.1.x to v9.2.x. Upgrading to Tas v9.2.1.4 requires the Sentinel Protection Installer v7.6.5 dongle drivers. Since Tas v9.2.1.5 was made available, Sentinel Protection Installer v7.6.6 dongle drivers have been released. You can install the v7.6.6 dongle drivers by following the link below:

<http://www.edsl.myzen.co.uk/downloads/install/Sentinel%20Protection%20Installer%207.6.6.zip>

If you have created one or more Systems files in a version of the software *prior to* v9.2.1.4 (this is the version which offered the first full release of Tas Systems), then these files may not evolve properly when you upgrade to v9.2.1.4 or higher.

From Tas 9.1.3a to v9.1.4.2, the *Part L EPC Building Generator* will need access to the 3D building model (.t3d), which is referred to by your source TBD file (please note that as of v9.2.0, changes to the software rendered the Building Generator obsolescent). To ensure that this is correct: open your source TBD, click on the Tools menu and then select Options. Now set the T3D file path and remember to save the TBD file before using the *Part L EPC Building Generator*.

Upgrading from Tas version 9.0.8 or earlier

If you are upgrading from Tas 9.0.8, you must first upgrade to 9.0.9e and open, evolve and save your T3D, TBD and TSD files to the 9.0.9 format. You may then upgrade to Tas version 9.1.1 as noted above and evolve your files again before finally upgrading to the latest version.

If you do not have a copy of Tas 9.0.9e, you should contact support to obtain a copy. **You should not attempt to upgrade directly to the latest version.**

Installing Tas on a PC for multiple users

When multiple users will be using Tas on the same PC, it is recommended to move the Tas Data folder to a shared location accessible by all users. Otherwise, users will only be able to access projects they have created themselves and not the sample projects or projects created by other users. You should also ensure that every step in **Section 3b** is followed for each additional user.

Checking the Hardware and Operating System

Section 1a: Hardware Requirements

Tas 9.2.x will benefit from the following hardware specifications:

- 2 or 3 GHz dual-core processor speed, with 3 or 4 MB of cache memory (please note that more cores allows for more batch simulations).
- At least 1GB of free disk space, allowing 1GB for the installation, and the remaining space for saving files. Most modern computers come equipped with a 0.5 to 1TB hard disk drive, so this should be easy to achieve.
- Aim for around 4GB of RAM to improve simulation times.
- SXGA 1280x1024 display resolution on a desktop pc (some monitors and laptops may have a lower vertical resolution, e.g. 900 pixels).

Larger projects will require more RAM and will take longer to export and simulate on machines with low RAM and/or slow processor speeds.

Section 1b: Software Requirements

- Tas requires Microsoft Windows XP/Vista/7/8. We do not support the use of emulated Windows on non-native systems (e.g. Apple Macs), but some customer have reported successful use of such implementation.
- Tas requires Adobe Acrobat Reader in order to output BRUKL and EPC documents, as well as other reports, e.g. from the Report Generator, Part L Studio, and Tas Systems.
- To run the video user guides, you need to install Adobe Flash Player v11 or above.

Note: To insure that Tas installs and runs reliably, you should install all current service packs and updates for Microsoft Windows.

Uninstalling a Previous Version of Tas

***Note:** you should refer to the Preface and Advisory Notes for details on evolving your projects for use with the latest version of Tas. You may need to install more than one version at a time and progressively evolve your project files through multiple versions until they are in the latest format.*

Section 2a: Backing up the databases

Tas comes complete with a selection of databases including sample Weather, Calendars, Constructions and Internal Conditions. If you have purchased additional Weather files, or made changes to a database, you must backup the files before uninstalling Tas or your changes may be lost. It is recommended to always make a backup of the databases before uninstalling any version of Tas.

Navigate to the **Databases** folder (in **My Documents\Tas Data** by default) and make a backup copy of the files in the **Databases** folder.

Section 2b: Uninstalling the Tas Software

***Note:** If you are using Tas 9.0.9d (or an earlier version) and are using the Part L2/Plant Sizing macro, you **must** backup all subfolders in “C:\Program Files\Tas\Building Designer\Macros” except for the BRUKL folder. Once you have finished reinstalling Tas, copy this folder back to their original location.*

To remove the software and data files, start the uninstall program by selecting *Start->Settings->Control Panel* then double click the *Add/Remove Programs* icon. Select *Tas* in the lower window then click the *Remove*. Confirm that you do wish to remove the program and its files, and allow the uninstaller to proceed.

Check that the folder **C:\Program Files\Tas** has been removed. If it still exists, delete it.

Check that the folder **C:\Program Files\EDSL** has been removed. If it still exists, delete it.

Check that the folder **C:\Program Files\Environmental Design Solutions Ltd** has been removed. If it still exists, delete it

Installing the Latest Version

Section 3a: Downloading and Running the Setup File

Before following the procedure outlined below, it is important that you are logged on to Windows using the same account that will be using Tas. If multiple users will be running Tas, you should refer to **Section 3b** after completing this section.

1. Go to <http://www.edsl.net/main/Software/Downloads.aspx>
2. Click on the latest available version.
3. When given the option to **Run/Save/Cancel** (or Open/Save/Cancel), choose the **Run** (or Open) option.



4. You may be presented with a security warning window, such as the example shown on the next page. Click **Run** to allow the setup file to launch.



5. Continue to click the **Run** or **Allow** option in any subsequent security windows until you see the *Welcome Screen*.



6. Click on **Next** to continue to the *End User License Agreement* (EULA) page, click **Yes** to accept the agreement and continue the next page, which allows you to decide the setup type.
7. The default setup type (**Complete**) should be used. Click **Next** to confirm the selection and select **Install** on the following screen. Finally, the installation progress bars will appear and track the file copying.
8. When you are presented with the *Installation Complete* screen, click **Finish** to terminate the Tas setup.
9. To run the software click *Start->Programs->Tas* then select **Tas Manager**.
10. Read the *Release Notes*, which outline any changes or updates from previous versions of Tas. See **Section 5** for details of where to find the *Release Notes*, user manuals and video user guides for Tas.

Section 3b: Installing Tas on a PC for multiple users

Note: When multiple users will be using Tas on the same PC, it is recommended to move the Tas Data folder to a shared location accessible by all users. Otherwise, users will only be able to access projects they have created themselves and not the sample projects or projects created by other users.

Two pre-requisite setup files are installed as part of the main Tas installation. These are **extensibilityMSM.msi** and **lockbackRegKey.msi**. However, these files do not have an option to install for All Users – they will only function correctly for the user that was logged-on during the Tas installation. Each additional user should log on and install the pre-requisite files, as outlined below, to be able to use Tas.

1. Go to <http://www.edsl.myzen.co.uk/downloads/install/KB908002/>
2. Click on 'extensibilityMSM.msi'.
3. When given the option to **Run/Save/Cancel**, choose the **Run** option.



4. Continue to click the **Run, Open** or **Allow** option if any subsequent windows appear.
5. Repeat steps 1-4, but click instead on 'lockbackRegKey.msi' in step 2.
6. Double-click on the Tas setup file to re-run the Tas installation (see **Section 3a**) and choose **Repair** from the available options.

Section 3c: Installing the Office 2003 update

If you are using Office 2003, you should install the Office 2003 update at <http://www.edsl.myzen.co.uk/downloads/install/KB908002/> in order to resolve compatibility issues with Tas. If you have run the current updates for Office 2003 you should already have this installed.

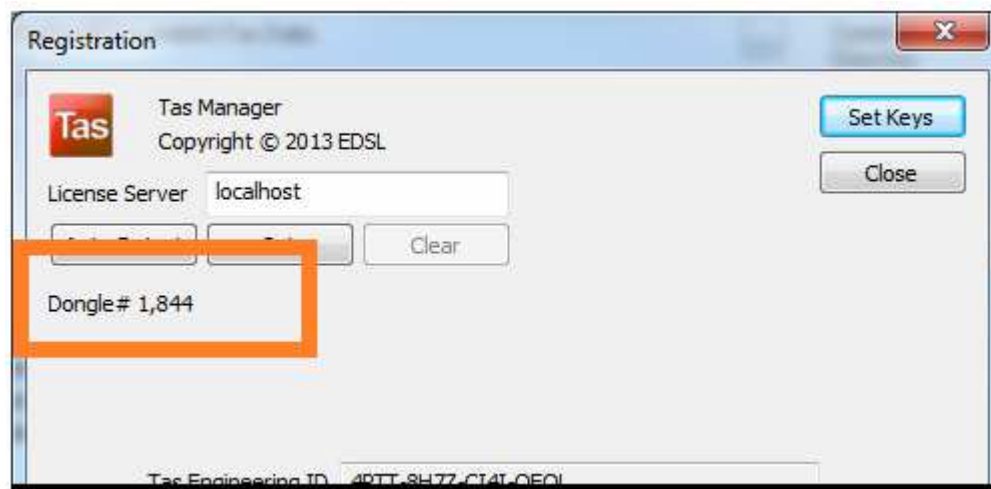
To install this update, follow steps 1-4 outlined above in **Section 3b**, but click instead on 'office2003-kb907417sfxcab-ENU.exe' in step 2.

Section 3d: Using a Dongle with Tas

Part 1: Installing the drivers

When your USB dongle is plugged into the machine, your Tas software should recognise a license key stored on the dongle and function normally. Once enabled, the dongle can be moved from PC to PC (as long as Tas is installed correctly and the drivers are installed).

If this is the first time you have used a USB dongle with Tas, you will need to log-on as an administrator and install the drivers. To check whether drivers are already installed, click on *Register* in the Tas Manager. If you do not see the word 'Dongle' under the Tas logo, you will need to do the following to install the drivers. The screenshot below shows that the dongle drivers are installed.



For all Windows versions: Install the *Dongle Drivers* from the EDSL website while logged-on as an administrator.

Upgrading to Tas v9.2.1.4 requires the Sentinel Protection Installer v7.6.5 dongle drivers. After Tas v9.2.1.5 was released, Sentinel Protection Installer v7.6.6 dongle drivers have been released. You can install the v7.6.6 dongle drivers by following the link below:

<http://www.edsl.myzen.co.uk/downloads/install/Sentinel%20Protection%20Installer%207.6.6.zip>

If given the option to **Run** or **Save** the file, click **Run** (see the figure in step 3 of **Section 3b** if you are unsure). Ensure that your dongle is **not** plugged into the machine during installation as this can damage the dongles.

Part 2: Renewing the keys

License keys may expire when upgrading Tas and will definitely expire if upgrading from a demo version. For reasons of security the license keys will expire after a set time period (usually after 16 weeks). In the event of your key expiring, open the Tas Manager (with the dongle plugged in), click *Register* and make a note of the *Tas Engineering/Architecture ID*.

For Academic/Perpetual Licenses: You can renew your license keys at www.edsl.net using your *Tas Engineering/Architecture ID*.

For Quarterly/Annual Licenses: You should e-mail support@edsl.net quoting your *Tas Engineering/Architecture ID* and requesting new license keys.

Your new keys should be copied and pasted into the appropriate box on the Registration screen in order to validate Tas.

Note: *Machines sharing a dongle **must** have their clocks synchronized to within 30 minutes or less.*

Section 3e: Updating the NCM Calendar and Internal Conditions

You **must** be using the latest version of Tas in order to lodge EPC certificates. If you began an assessment for Part L2/EPC in an earlier version, you **must** remove the existing internal conditions and replace them with internal conditions from the latest NCM Activities database (currently *NCMActivity_v4.1.4*). Also, if the default calendar has been used in the Part L2/EPC source model then it must be replaced with *NCM Standard* from the calendars database.

From Tas 9.1.3a onwards, the *Part L EPC Building Generator* will need access to the 3D model (T3D) referred to by your source building TBD. To ensure that this is correct: open the TBD, select Tools->Options, set the 3D Model path and save before using the *Part L EPC Building Generator*.

Documentation and Support

Section 4a: Release Notes

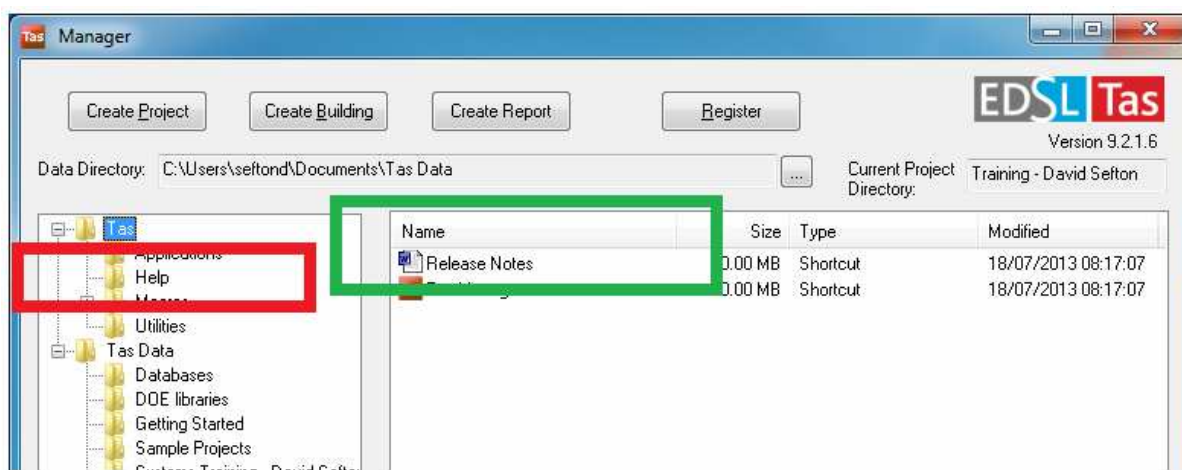
The *Release Notes* outline changes in new versions of Tas. You should review the *Release Notes* after every upgrade to ensure that you are aware of differences between the versions. To access the *Release Notes*, open Tas Manager and double-click the Release Notes on the right-hand side (as indicated by a green rectangle in the figure below).

Section 4b: Video guides and manuals

The *Help* folder contains video user guides and reference manuals to help you use the software and should be reviewed by all new users. There are example videos included in each section of the user guides demonstrating the Tas environment. New users to Tas should begin with the **3D Modeller User Guide**.

Documentation is also available at <http://www.edsl.net/main/Support/Documentation.aspx>

The reference manuals provide details information and should be used for definitions. They are located in the *Help* folder, as indicated by an red rectangle in the figure below.



All of the manuals are also available at <http://www.edsl.net/main/Support/Documentation.aspx>

Section 4d: Training Course Notes

You can download a copy of our training course notes from the EDSL website. The training course is designed to help you develop a model from start to finish, with exercises at each step. The notes can

be used with the manuals and video tutorials to gain a better understanding of the complete modelling process.

There is a set of notes for each of the training courses: the three-day Tas Engineering training course and the one-day Introduction to Tas Systems training course.

Visit our training page at <http://www.edsl.net/main/Training.aspx>

1. Select the appropriate training course
2. Click on the column header to see the upcoming course dates.

Section 4e: Frequently Asked Questions (FAQ)

In addition to the reference manuals and video user guides, there is an online database of frequently asked questions (FAQ) with solutions to common support queries. Consult the FAQ before contacting support, as your problem may already have been answered.

1. The online FAQ is available at <http://www.edsl.net/main/Support/FAQ/T3D.aspx>