

New Features in TIM

2017-1



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Welcome !

Dear Sir or Madam,

Welcome to the future! TIM - the visual information tool for the precast concrete industry - provides you with everything you need to get the job done - be it virtual planning of production, delivery or assembly. TIM 2017-1 comes with a lot of new features, making your work even more efficient and effective.

For example, you can display the building structure, transfer placing drawings and configure business processes.

We wish you every success!

PRECAST Software Engineering GmbH
Salzburg, October 2016

Building Structure

Using TIM, you can display and navigate the building structure and fileset structure created in PLANBAR.

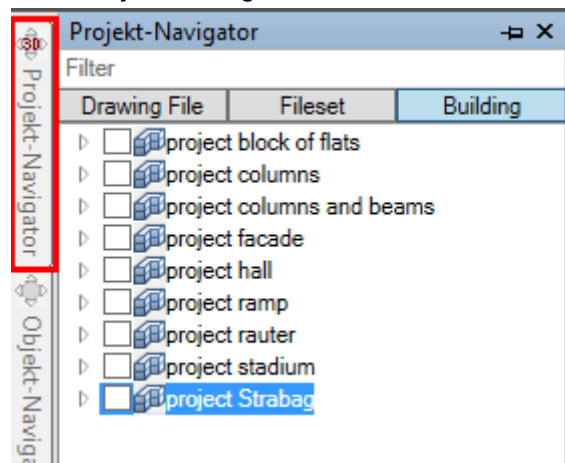
Transfer to TIM

Every NTF file you transfer from the CAD system to TIM includes both the building structure and the fileset structure. For this, you do not need to define any special settings. The only requirement is that you use the current versions of PLANBAR and TIM. Of course, you can still import NTF files from earlier PLANBAR

versions. However, these files contain neither the building structure nor the fileset structure.

Representation in TIM

You can switch between three different project views in TIM Project Navigator.



The drawing file structure shows the project structured by drawing file as usual.

The fileset structure shows the project structured by fileset. When you select this view, different filesets can include one and the same drawing file, as PLANBAR allows you to assign the same drawing file to several filesets.

The building structure shows the project structured by structural level. TIM displays all structural levels that were created in PLANBAR.

To find projects quickly, you can enter filter text at the top of project navigator. The program then displays only projects whose names contain the text entered.

You can find further information on the building structure and fileset structure in the TIM module

descriptions of Technical Information Manager and Import Manager.

Placing Drawings

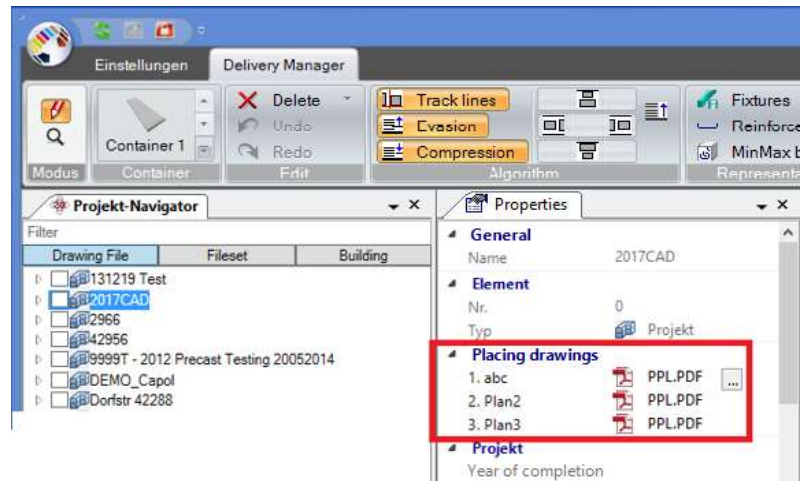
Using TIM, you can display placing drawings created in the CAD system.

Transfer to TIM

Every NTF file you transfer from the CAD system to TIM includes the placing drawings created in PLANBAR.

Use in TIM

The properties window in TIM displays all placing drawings assigned to a project, drawing file or structural level.



To open the document, click the button with the three dots to the right of a placing drawing.

The program also takes into account placing drawings when printing documents (see processes). Thus, you can transfer placing drawings from TIM to other project participants, for example.

Processes

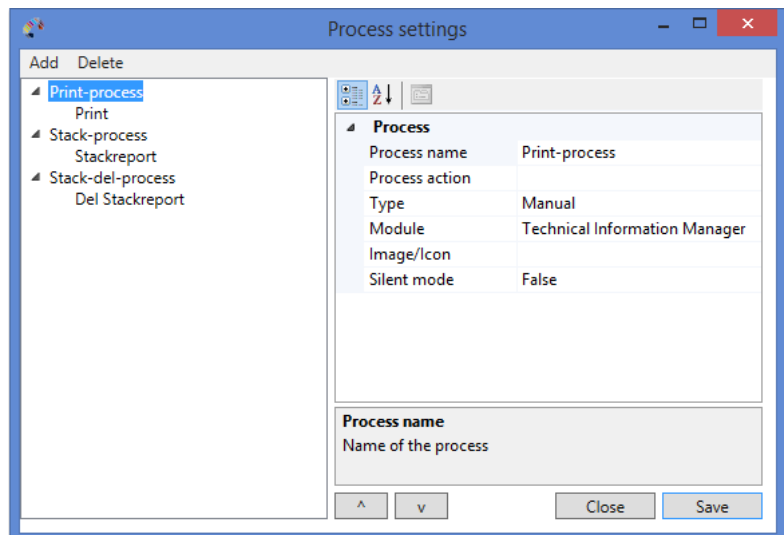
Using TIM, you can configure processes. This way, you can run complex operations with one click.

Configuring processes

All TIM modules provide process configuration in the settings.

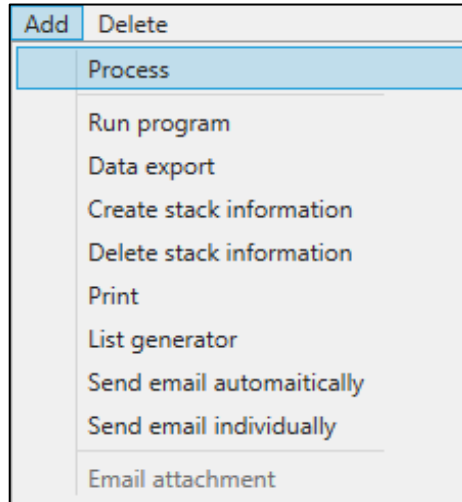


Here, you can configure processes.



The area on the left lists the processes and process steps configured; the area on the right lists the parameters of the elements. You can change these parameters.

You can use the “Add” menu to add new processes and process steps.



New elements will always be inserted below the currently selected element.

Process:

A process is a combination of steps - the process steps. To run a process, you click a button. As an alternative, you can configure TIM to automatically run a process when importing new project data.

Process	
Process name	Print-process
Process action	
Type	Manual
Module	Technical Information Manager
Image/Icon	
Silent mode	False

A defined process consists of ...

- a **name** (= button label).
- a **status action** (optional). You can assign a status action if you want to change the status (status

condition) of the elements in question. You can also use a status action to prevent the process from running if the status conditions are not met.

- a **type** (manual / when migrating). The type defines whether you click a button to run the process or whether TIM automatically runs the process after merging project updates.

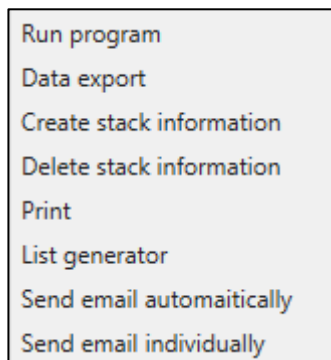
- a **module**. The module indicates the TIM module in which you can click the process button to manually run the process. This is only possible if you set the type of the process to manual (see above).

- an **image/icon**. You can assign an image to illustrate the process button.

If **silent mode** is active, TIM does not display additional information while running the process steps.

Process step:

You can use the following process steps when configuring a process:



Run program:

Step	
Name	Run program
Continue even if errors happen	False
Step action	
File name	
Arguments	
Wait X seconds for the program to finish	0
Return value	

You can use this to call an external program. In addition to the program, you can define which parameters you want to transfer to this program and how long TIM is to wait for the program to run until TIM cancels the process.

Data export:

Step	
Name	Data export
Continue even if errors happen	False
Step action	
Data export	

You can select a configured process for exporting data (see “Exporting element data”).

Create stack information:

Step	
Name	Stackreport
Continue even if errors happen	False
Step action	
Report	Stack list
Report type	Stapelreport

When creating stack information, TIM runs a report,

linking the PDF document created with the transport stack in question. You can create stack reports or stack labels.

Delete stack information:

After having created stack reports, you are not allowed to change stacks anymore. Therefore, there is a process step for deleting stack reports.

Print:

You can use this process step to print or transfer documents.

Send email	
Email address	
Title	
Body	
Step	
Name	Print
Continue even if errors occur	False
Step action	
File name templates	
File name for merged PDF files	{ProjectName:s5}.pdf
File name for merged element plans	{ProjectName:s5}.EPL.pdf
File name for merged project plans	{ProjectName:s5}.plan.pdf
File name for merged container reports	{ProjectName:s5}.stackreport.pdf
File name for merged container labels	{ProjectName:s5}.stacklabel.pdf
File name for element plan	{ProjectName:s5}-{ElementName}.pdf
File name for project plan	{ProjectName:s5}-{PlanNumber}. {PlanNa
File name for container report	{ProjectName:s5}{DrawingName}-{Conta
File name for container label	{ProjectName:s5}{DrawingName}-{Conta
Merge files	
PDF files	Separate files
Element plans	Separate files
Project plans	Separate files
Container reports	Separate files
Container labels	Separate files

You can send documents directly to a printer, to a folder or by email to one or more recipients (email client opens automatically).

When saving documents to a folder, you can define rules for creating file names. In addition, you can configure TIM to combine particular files to form one file. This also applies to sending documents by email.

List generator:

Step	
Name	List generator
Continue even if errors happen	False
Step action	
Script folder	Standard
Script file	ADS interface KSTP
Output type	PDF

To call the list generator, you must define the script folder (office or default), script file and output type.

If you have not configured a script file, TIM prompts for the script file when running this process step.

Send email automatically:

Step	
Name	Send email automatically
Continue even if errors happen	False
Step action	
Email address	user@company.com
Title	TIM notification
Body	Production data for project {PROJECT} is ready.
SMTP server	SMTP Server 1

You can use this process step to inform other project participants of the status of the project, for example. To do this, you must configure the email address (or several email addresses) and the title and body of the email. In addition, you must select the SMTP server you want to use. You can configure the SMTP server in the factory configuration.

Send email individually:

Step	
Name	Send email individually
Continue even if errors happen	False
Step action	
Title	TIM notification
Body	Please check this {ELEMENT-COUNT} elements of project {PROJECT}.

To do this, you must configure the title and body of the email. When running this process step, TIM opens the local email client of the computer.

Step action:

You can assign a status action to each of these process steps. Before running a process step, TIM checks whether the status action is allowed. If the status action is allowed, TIM runs it at the end of the process step. Consequently, a step can depend on the status, and a step can even change the status.

Continue even if errors happen:

You can use this setting to define whether a process step has to be successful or whether TIM may skip this step if there are errors. Error checking of a step refers to the step itself and the status. If TIM is allowed to skip the step, TIM skips the step even if the status is incorrect or if an error occurs when running the status action.

Running processes

You can see all manual processes configured for a TIM module on the menu bar of the module.

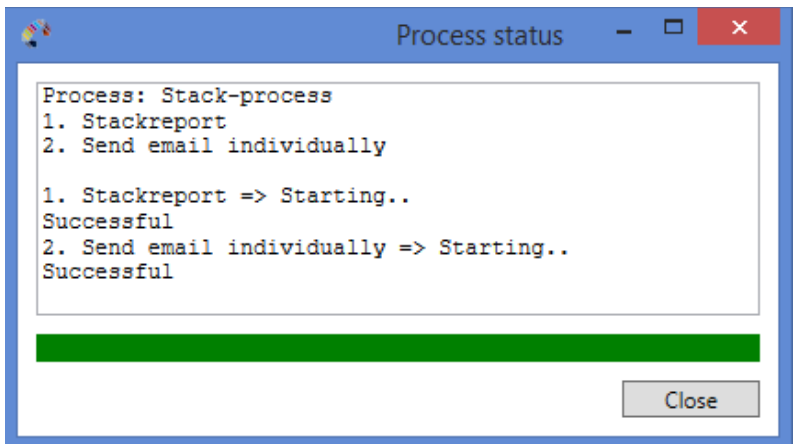


Before you can click the buttons, you must select appropriate data and activate edit mode. Depending on the process and the process steps, you may need to select different data types (elements, stacks, drawing

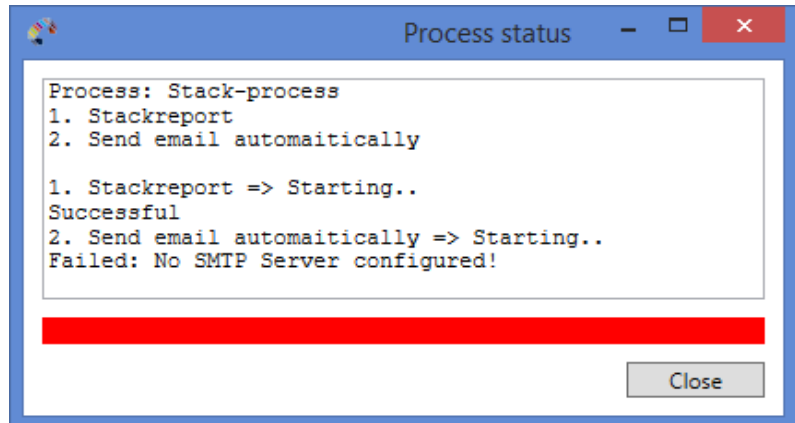
files and so on). You can click only the process buttons that are appropriate to the data selected. However, an incorrect element status does not make a process button unavailable. TIM does not check the status until it runs the process.

When starting to run a process, TIM lists the steps configured.

Then, TIM runs the steps, informing you of their success or failure.

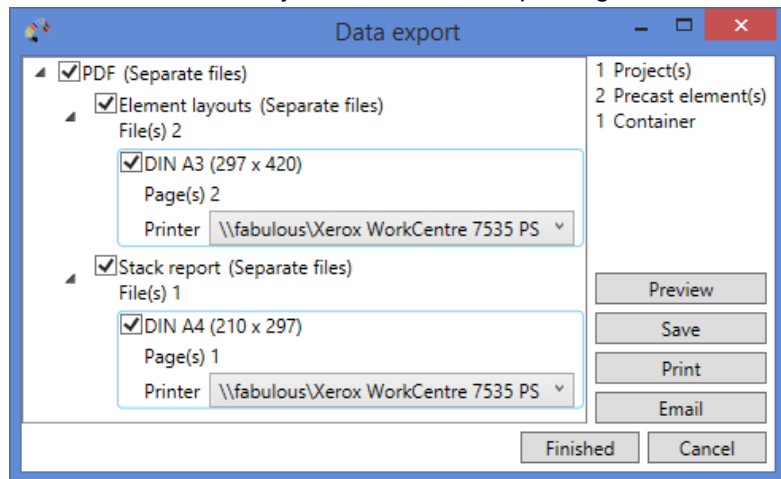


If there is an error, you can see a red bar. You can find a description of the problem in the text above the red bar.



Running print process step:

When running the print process step, TIM collects and lists all documents you selected for printing.



TIM **displays** the documents in accordance with the settings you defined when you configured this process step. In addition, TIM takes into account the paper formats of the documents. This way, you can output different paper formats on different printers.

Click **Preview** to check the documents.

Click **Save** to store the documents with the names configured in the folder selected.

Click **Print** to send the documents to the printers displayed.

Click **Email** to open the local email client and to attach the documents to an email.

Finally, click **Finish** to complete the process step. If you click **Cancel**, TIM does not run this process step. It is up to you to decide which button you click. TIM does not check whether all documents have been printed or sent correctly.

UniCAM Import

Using TIM, you can import project data from UNITECHNIK files.

NTF files you transfer to TIM include all project data created in PLANBAR. These files contain extensive and detailed information about the precast elements.

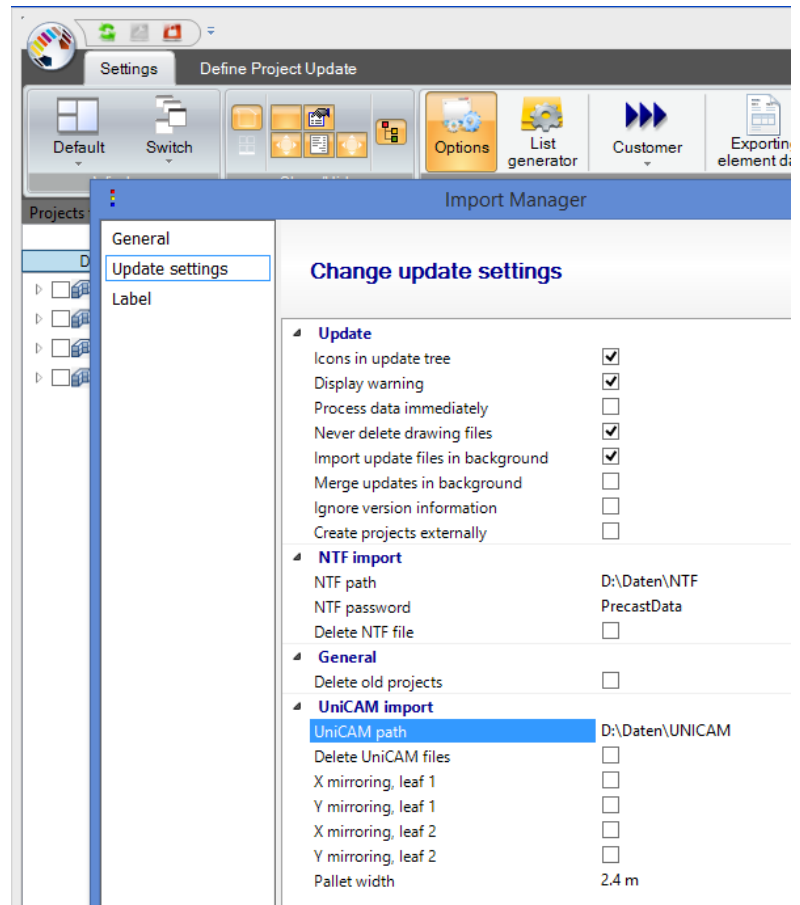
If data quality is not so important to you, you can even extract project data from UNITECHNIK files and work with the extracted data in TIM.

This requires a separate UNITECHNIK file for each element and a KST file with project data and article information for each import process.

These files can be available as a ZIP file or as separate files in a project folder.

Configuration

You can find additional update settings for UniCAM import in the options of the import module.



You can define the following settings:

You can set the UniCAM path. When importing data, TIM scans this path for zipped import files or for a project folder with unzipped UniCAM files.

You can configure TIM to delete the files imported. If you do not choose to delete the files, TIM will move the files imported into a subfolder called “old”.

You can configure TIM to mirror production data in relation to a pallet width you define.

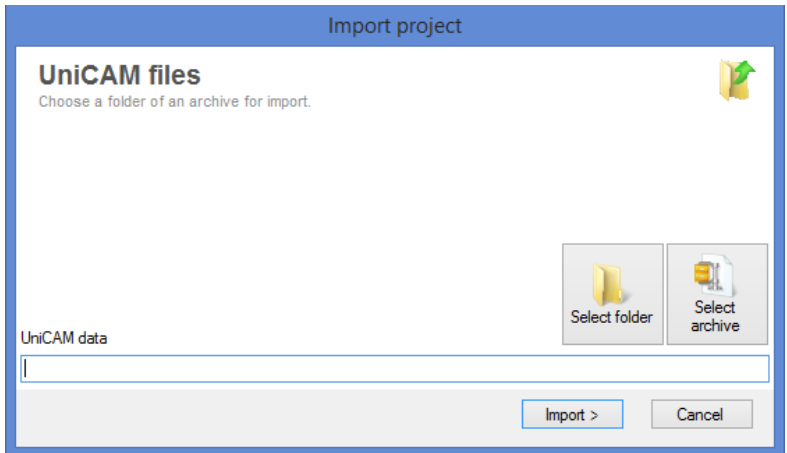
In addition, you can choose to delete all old projects from the TIM database when importing a new project. This setting is useful for stand-alone systems, ensuring that you work with a single project in TIM at any one time.

Use

Click the corresponding button to start importing UniCAM data.

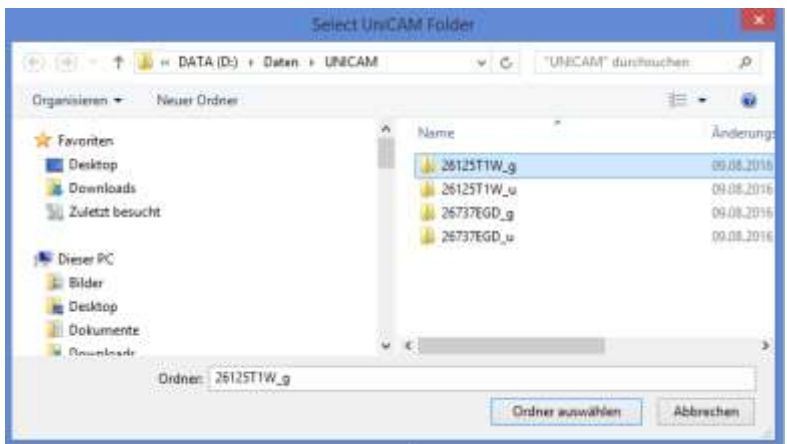


In the import dialog box, you can see two buttons: one for importing zipped files and another one for importing unzipped files from a project folder.

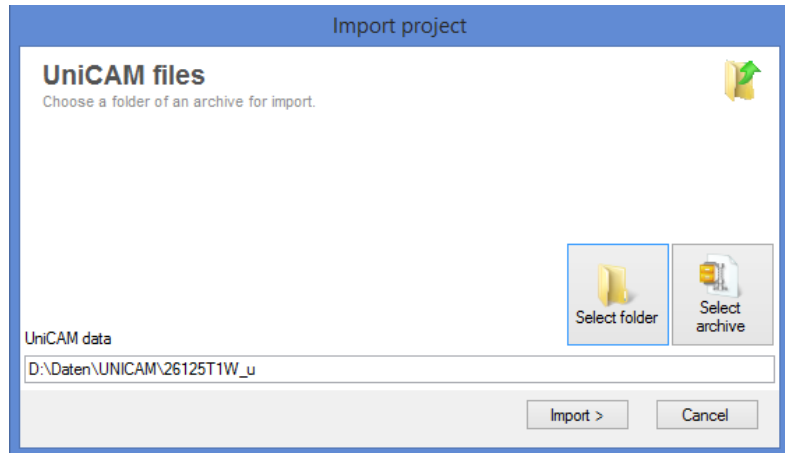


Importing data from a folder:

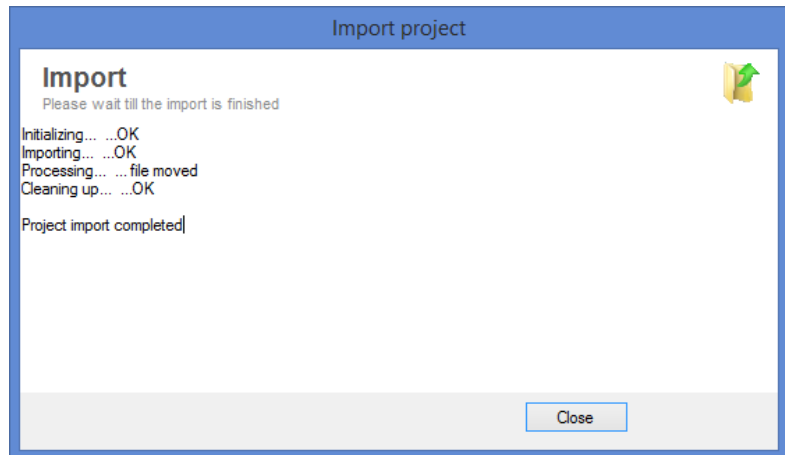
Click the “Select folder” button to list all subfolders in the import folder configured. You can then select the project folder with the files you want to import.



After you have selected the folder, the import dialog box shows the path to this folder. You can now start importing the data by clicking the “Import >” button.



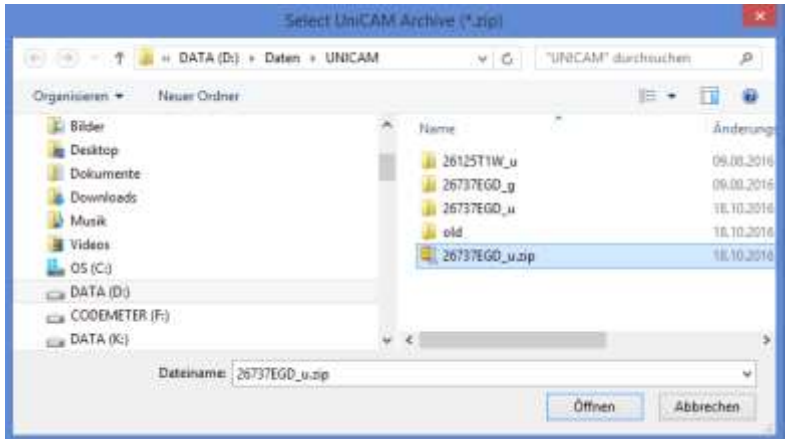
While TIM is importing the data, you can see what TIM is currently doing. Any errors will be listed, too.



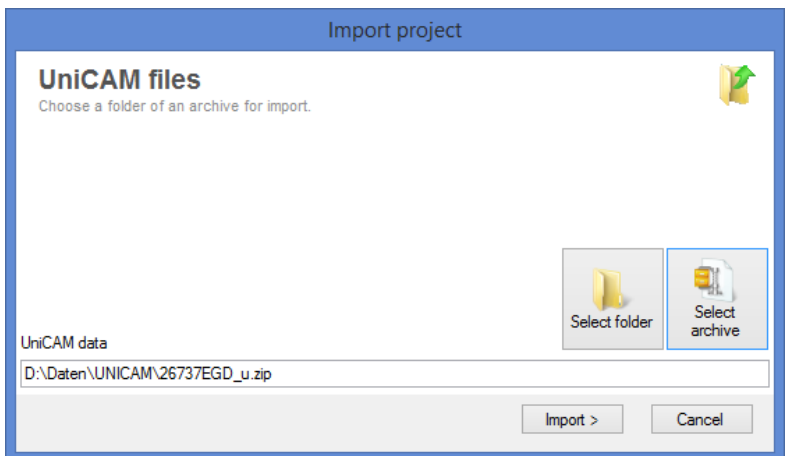
Finally, you can close the import dialog box.

Importing data from a ZIP file:

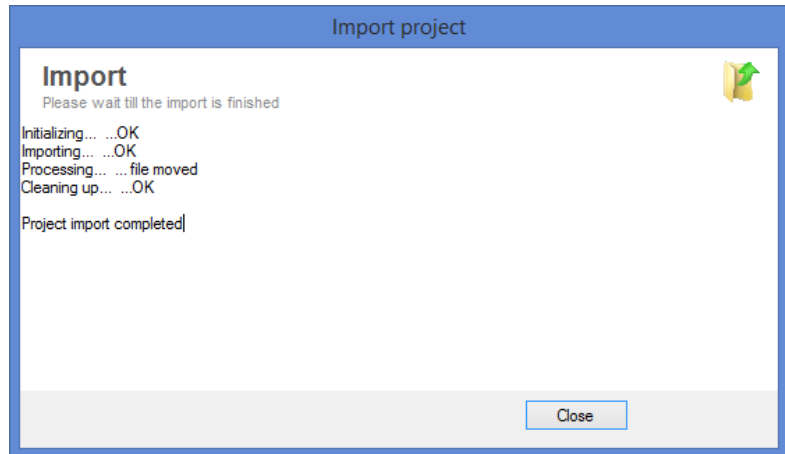
Click the “Select archive” button to list all ZIP files in the import folder configured. You can then select the ZIP file with the data you want to import.



After you have selected the ZIP file, the import dialog box shows the path to this file. You can now start importing the data by clicking the “Import >” button.



While TIM is importing the data, you can see what TIM is currently doing. Any errors will be listed, too.



Finally, you can close the import dialog box.

The data are now available. Importing an NTF file produces the same result.