TIM 2019-0-1 – NEW FEATURES

A BRIEF OVERVIEW
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# Table of contents

1. Welcome .......................................................................................................................... 4
2. Dynamic Stackreport ....................................................................................................... 5
3. UltraList ............................................................................................................................ 10
   3.1 Selection of attributes ................................................................................................. 10
   3.2 Frame type .................................................................................................................. 11
   3.3 Shells Supported .......................................................................................................... 11
   3.4 Customized attributes ............................................................................................... 11
   3.5 Additional attributes ................................................................................................. 12
   3.6 Tooltips for columns ................................................................................................. 13
4. CSV-Export ....................................................................................................................... 13
5. Improvements & fixes ....................................................................................................... 15
   5.1 Factory Catalog Items ................................................................................................. 15
   5.2 Fixtures Catalogue - IFC classification ...................................................................... 15
   5.3 IFC4precast – Interface Configuration ...................................................................... 15
   5.4 Enhancement with Cutting Lists ................................................................................ 15
   5.5 Performance UltraList ............................................................................................... 15
   5.6 Project-tree display .................................................................................................... 15
   5.7 Performance mTIM .................................................................................................... 15
   5.8 Performance Database ............................................................................................... 15
1 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 well done - be it virtual production planning, delivery or assembly.

TIM 2019-0-1 comes with new features, making your daily work even more efficient and effective.

Major innovations and extended functions in TIM version 2019-0-1 belong to the design and layout of lists and reports as well as the import of fixture catalogue data in terms of the IFC interface.

We wish you every success!

PRECAST Software Engineering GmbH
Puch near Hallein, December 2018
2 Dynamic Stackreport

The module TIM Workstation Delivery provides a report generator, which enables you to create dynamic reports, free from fixed layout constraints, configurable to meet your specific needs.

On the right hand side of the tools ribbon you will find the icon to get started with the “Dynamic stack list”.

A double-click on this symbol causes a dialog window to open. Within this new window you will find three main sections that offer numerous options for configuration and definition of your specific stack list.

These segments correlate with the sections in the layouted and consequently printed reports,

- report header
- report body (precast elements table)
- graphic images of the stack
Each of these report segments offers relevant attributes resp. variables for utilization. Fonts and type sizes are at your disposal. Furthermore, you can order the lines of the tables according to your needs.
Depending on the specific section of the report, the content of the implemented attributes list will differ.

In the precast element table segment you can navigate to a comprehensive list of attributes by opening up the “DataSet”
The section for placing bitmap images of your stacks offers various creative options as well.
In the first step you distinguish between displaying a 2D- or 3D-graphic. By clicking “Edit” you will open another dialog, which offers more detailed setting options that belong to views, sequences, colours and fillings.
3 UltraList

3.1 Selection of attributes

Selection of relevant rows and columns has improved in order to allow faster progress and higher efficiency on your way to the desired structure of data in your UltraList. Various attributes have been added. In addition to that, all these attributes are available in the module TIM Quality Manager for defining rules.

Attributes and variables follow a hierarchic structure.
3.2 Frame type

The UltraList also supplies an attribute called „Frame type“ by now.

3.3 Shells Supported

In connection with multi-layered walls TIM supports the selection and evaluation of shells. Within the UltraList you may variously select shells for displaying the wall construction.

3.4 Customized attributes

UltraList supports you in defining customized columns on your own by now. For the configuration of relations and dependences you can draw from the full spectrum of attributes and variables.
"PowerShell" is the framework from Microsoft which this functionality is based on. By means of this, you can carry out any task of calculation and operation.

To get acquainted with PowerShell and find more detailed information, follow this link: [https://docs.microsoft.com/de-at/powershell/](https://docs.microsoft.com/de-at/powershell/)

### 3.5 Additional attributes

Additional attributes will be defined within the application PLANBAR in general. They are specifically used for different products (precast parts). Both, number and description determine these attributes.

In order to make an additional attribute appear in the UltraList you simply choose the attribute by its describing name, add it to the list by clicking on the green +, and by subsequently checking the box ✔.

You can select an additional attribute alternatively by its number. Again you add it to the UltraList by +, and you define if Name and Value should be headers of extra columns by checking or unchecking the boxes ✔. (Note: additional attributes defined in PLANBAR may vary from one product to another).
3.6 Tooltips for columns

If the current view of the UltraList includes column headers that might be not-legible, because of long text and narrow columns, you can easily display the text by positioning the mouse cursor over the column header.

4 CSV-Export

TIM offers export functionality of various TIM objects to a CSV File now. You can define objects for export by selecting them in the so-called “UltraList”. This definition includes selecting the attributes that are required; these attributes will denote the column headers of your list.
In order to use the CSV export we implemented a new process action, which is at your disposal in every process that you define. This action can be configured by several parameters determining how the csv file will look like and where the file will be saved in your file system.

One of these parameters will link the CSV favorite to a process action in a mandatory manner. Another parameter belongs to an “additional error column”; this will identify an error if it occurs during the export process of TIM-objects and will mark these occurrences in the above-mentioned column.

Favorites that you just generated will appear in the section “Personal favorites” in the first step. By means of the right mouse button, you will enter a menu that allows moving the favorite to the section “Favorites for CSV export”.

Note: in order to utilize the above-described functionality you need an extra TIM-CSV-export-license.
5 Improvements & fixes
The new release TIM 2019 covers several improvements in usage and functionality.

5.1 Factory Catalog Items
The configuration of factory catalog has been amended by two more values, which are „Chamfer Width“ and „Curve Radius“ in terms of formwork. These data will be defined within TIM and subsequently transferred from TIM database to the Precast Data Model.

5.2 Fixtures Catalogue - IFC classification
In the course of exporting data by IFC4precast interface some additional attributes are included as from now:
- Category
- Predefined Type
- User Defined Type

5.3 IFC4precast – Interface Configuration
In the course of exporting data, by means of IFC4precast interface, TIM supplies a proper method to reduce the amount of data of the export file. You can manage this by defining if fixtures and reinforcement should be included or neglected by export.

5.4 Enhancement with Cutting Lists
The list type „cutting list sorted“ has extended capabilities now; other types of reinforcement than longitudinal -, cross- or lattice girders can be utilized for grouping.

5.5 Performance UltraList
Queries improved in terms of running time.

5.6 Project-tree display
The display of drawing files has been modified, as well in TIM admin as in TIM client. The behaviour of drawing files is equal now, concerning sort order and color (if displayed as grey due to older version-numbers).

5.7 Performance mTIM
Performance concerning data transfer to mTIM application has been significantly increased.

5.8 Performance Database
TIM has now functionality included which enables you to delete data for displaying graphic information, when they have become obsolete. This will result in higher performance of the application.