



R 9.0.1

Release Notes

Foreword

A further CADISON Release is now available with the present CADISON Version. Mainly, functional changes, as well as some new functions and error corrections since the release of Version 9.0.0 have been carried out.

Inhaltsverzeichnis

Installation	3
Overview of new functions	5
Overview of function changes	6
Overview of Bug fixes	7
CADISON General	10
General	10
Report generator	14
Designer	15
General	15
PID-Designer	17
3D-Designer	18
ISOGEN	19
Visio PID	20
Project-Engineer	22
MATPIPE	23
Conclusive Information	25

Installation

Prerequisites

Please read the installation instructions [before installation](#).

Further information is found under "Installation requirements" in the document available on the installation-DVD: "CADISON_Installation.pdf".

Updating existing installations

Category: Administration

Please read the installation instructions beforehand.

Further information is found under "Notes regarding update installation" in document available on the installation-DVD: "CADISON_Installation.pdf".

The actual installation

Category: Administration

Please read the installation instructions beforehand.

Further information is found under "Installation procedure" in the document available on the installation-DVD: "CADISON_Installation.pdf".

Re-installation of CADISON R9.0.1

Please read the installation instructions beforehand.

Further information is found on the installation-DVD: "CADISON_Installation.pdf".

Subsequent installation / uninstalling of a module

The setup supports the subsequent installation and thus the uninstalling of a module.

The setup "CADISON" can be started through "Start > Settings > Control Panel > Add or remove programs" and "Change" can be selected. Please read the installation instructions beforehand.

Further information is found in the document available on the installation-DVD: "CADISON_Installation.pdf".

Installing the network license manager (NLM)

Start the setup under NLM\Setup.exe from the CADISON R9.0.1 DVD.

Further information is found in document available on the installation-DVD: "CADISON_Licensemanager.pdf".

Licensing

Category: Administration

Further information is found in the document available on the installation DVD:
"CADISON_Licensemanager.pdf".

Scope of delivery

Along with the delivery of CADISON R9.0.1, you receive:

- A program-DVD CADISON Release R9.0.1
- A DVD with customised customer object model
- Release notes CADISON R9.0.1 (as PDF and CHM on the DVD)

Overview of new functions



CADISON General

[Selection of last opened drawing in the start-tree](#)

[Monitoring the AutoCAD memory capacity requirements via the the CADISON System Analyzer](#)



Visio PID

[Support from AEX files](#)



P&ID-Designer

[Coordinates of 2D polyline graphics](#)

Overview of function changes



CADISON General

[New option "Do not check-out the nested drawings" in the check-out dialog](#)

[Change attribute definition of an attribute for catalog entries](#)

[Width of the catalog selection list in the Selector](#)

[Copy, export, archive, reactivate the project database](#)



CADISON Project-Engineer

[Automatic re-numbering in case of terminals](#)



MATPIPE

[Matpipe objects with structural sub-elements](#)

[New languages in language option](#)



Visio PID

[Setting "Move object with pipe"](#)

Overview of Bug fixes



CADISON General

[Editing a cell in CADISON table](#)

[Objects without designation in ObjectManager](#)

[Translation not permitted for catalog entries](#)

[Editing a property definition](#)

[Function "Optimum Column Width" in table](#)

[Unicode data recognition](#)

[Last column gets a different size for the command "Fit in Columns"](#)

[Representation of the CADISON table header](#)

[Application crash while moving a table column](#)

[CADISON Catalog Control doesn't work after using "Copy data from" / "Copy data to"](#)



Report Generator

[Reference to non-existing templates over REPORT_FORM](#)

[Report statement \\$INSERTFILE\\$ to non-existing RTF-file](#)

[Use of \\$SUM\\$ and formula inputs in a report form](#)

[Creation of reports with long viewstrings in the tree not possible](#)

[Wordwraps of memo texts from Matpipe are not executed](#)



Designer General

[Attribute text orientation](#)

[Problems with AutoCAD UNDO command](#)

[Opening a drawing from the tree table does not function](#)

[Option "Plot in background"](#)

[Closing the gaps in pipelines](#)

[Designate objects with block](#)



Visio PID

[Creation of new symbols](#)

[Object designation with Unicode characters](#)

[Insertion point for new symbols](#)

["Paste" the custom defined symbols](#)

[No pipe breaking after loading a drawing](#)

[Designation of additional VISIO objects provided with CADISON information](#)

[Faulty Visio drawings after using ITFTools clean-options](#)



3D-Designer

[Complete Pipeline fails](#)

[Bend ratio and bend angle in the pipeline dialog](#)

[Crash when using AutoCAD command LIST](#)



CADISON Project-Engineer

[Incorrect structure view / table view](#)

[QuickInsert function does not insert any object](#)

[Incorrect control of command "Import Auxiliary Object Model"](#)



MATPIPE

[Replication of configurable objects with CONFIGOBJ](#)

[MATPIPE operation with checked-out license not possible](#)

[Problem with naming the object tables](#)

[Replication of configuration descriptions](#)



[Isogen position number is not saved for isometry of several pipelines](#)

[Plotting/Saving a new generated Isometry](#)

CADISON General

General

New Functions

#24085

Selection of last opened Drawing in Start Tree

If a CADISON application is started, CADISON previously always marked the last opened project for project selection / drawing selection in the start tree. Starting from this version, it is also possible to get the last opened drawing marked automatically when using Designer. The following entry has to be available in CADISON.INI:

```
[PHi-CADISON]
USE_LAST_DRAWING=ON
```

CADISON saves an opened file as "last opened" for the following commands:

- Selection of drawing in the Start tree when starting the Designer
- Opening a drawing using context menu of a drawing, command "open drawing"

CADISON remembers the drawings depending on AutoCAD Designer and Visio P&ID Designer.

Monitoring the AutoCAD memory capacity requirements via the the CADISON System Analyzer

Since this Release the CADISON System Analyzer got an additional function to monitor the AutoCAD memory capacity requirements. You can invoke this new function via the Extra-menu of the CADISON System Analyzer. Once it's running, the memory capacity of the Designer will be monitored and a warning message will pop up, before exceeding the memory capacity.

Function Changes

New Option "Do not check out any Nested Drawing Objects" in the Check-Out Dialog

Starting from this version, this new option is available as soon as checking out is started on the basis of a drawing. If this option is selected, then only the directly selected drawing is checked out, no eventually available XREF (nested drawing), and no drawings, which is otherwise in relation with the objects to be checked out. By using this option, individual drawings of a project can be specifically checked out.

Note: If objects are internally checked out, which are planned graphically in other drawings, these other drawings are not checked out by using this option. However, the annotation of this connection is checked out (object presentation). This however signifies that object representations are available in check-out database, which refer to unavailable drawings. These are possibly shown as defective in the check-out database. These errors however may not be cleaned in the check-out. Objects are only invalid in the check-out (since the referenced drawings are missing), however not in the original

database. If these objects are deleted in the check-out, then even the original objects in the original database are deleted as soon as the check-out is checked in.

Change Attribute Definition of an Attribute in case of Catalog Entries

If a property is edited with the function "Change attribute definition of this attribute", which originates from a catalog entry, new values could be entered in the dialog; however these values were not saved previously. Starting from this version, the inputs for display unit and for display formatting are saved for catalog entries so that desired display unit can be installed even for properties in case of unit properties, which originate from a catalog entry.

Note: A catalog entry can be used by several objects in the project (every catalog entry is present only once in a project database.). If the display unit changed using an object in case of catalog properties, then this has an effect on all the other objects in the project, which use the same catalog entry.

Width of Catalog Selection List in Selector

The selection list for catalogs was defined strictly previously. Very long catalog names could not be displayed thereby partially, not completely. Starting from this version, width of the selection list is automatically adjusted if required (in case of very long catalog names) so that the catalog names are to be read completely.

Copy, Export, Archive, Reactivate Project Database

Starting from this version, most settings of the currently used Versant Back-End profile are transferred for the specified function (from the file PROFILE.BE from the server). The following parameters are thereby taken into consideration:

- sysvol
- plogvol
- llogvol
- extent
- logging
- locking
- commit_flush
- polling_optimize
- llog_buf_size
- plog_buf_size
- heap_size
- heap_size_max
- heap_size_increment
- heap_mode
- padding
- max_page_buffs
- transaction_count
- lock_wait_timeout
- database_timeout

When copying a database, these settings are determined and the same settings are used when copying the database.

When exporting the databases (even when archiving), .be-file is also created in addition to .db-file. This .be-file is a binary file, in which the settings are saved.

When importing a .db-file, CADISON asks for the first time for the name of the database to be created.

Both when importing and reactivating, CADISON checks whether an appropriate .be-file can be found for .db-file (or .zip-file) to be imported. If yes, settings from this file are loaded and are used for creating a new database.

With this, there should not be any problem when copying and importing / reactivating, if specific Versant settings are required.

Bugfixes

#23815

Editing a Cell in CADISON Table

If a cell in a CADISON table is edited and the return key is pressed, then the cell is automatically edited in the next line. Thereby, representation of problems occurred previously, if the table was at the end and had to be scrolled. This error has been eliminated.

#24242

Objects without Name in the ObjectManager

In the ObjectManager of R9.0.0, no objects were displayed, whose property "P_name" (object name) did not contain any text. Thereby, the object name is used as text designation, as it was entered in the object model.

#24572

Translation not reliable in case of catalog entries

If multilingual catalog entries are used, then it could lead to problems previously with the translation function in CADISON. As per procedure, it was possible that the texts saved in the catalog entries were not used or that an incorrect language was used. In this context: If the database cleaning function of ITFTOOLS is used (e.g. -XCLEAN), then the error ow_ArticleManager was reported. These problems have been eliminated.

Edit a Property Definition

If dialog "Edit attribute" is opened with the command "Change attribute definition" and the dialog is subsequently closed with "OK", then a unit was saved previously for the attribute definition edited in such a way. Even when the attribute type is not set to "MAGNITUDE", the unit "#" was saved for the attribute definition so far. This could lead to problems, if this unit was saved in the template database(defdb). When exporting the template objects, the unit "#" was exported in the .DEF files respectively, this led to further problems when importing .DEF files. Attributes imported in this manner were mostly imported as "0.000000".

Function "Optimum Column Width" in Table

This function did not take into account the content of table in all situations starting from CADISON R8.5, but the column widths were determined mostly on the basis of title line. This error has been eliminated.

Unicode File Identification

In some cases, CADISON could not correctly identify when reading a file, whether the file is saved in Unicode or Ascii format. Thereby, the contents of the file could not be read correctly under certain circumstances.

Last column gets a different size for the command "Fit in Columns"

If the command "Fit in Columns" is executed, then the presently superimposed table columns are divided over the complete width of the table. Thereby all columns receive the same width. In CADISON R 9.0.0 the last column received a different, generally more width allocated. Hence the columns were not consistently divided over the table widths available. This error was rectified for this release.

Representation of the CADISON table header

Since this Release the text of the table header will be aligned on the left side. The text will be truncated, if the button for column filter is visible. In addition, the button for the object class selector will be displayed completely.

Application crash while moving a table column

If no objects are shown in the CADISON table, due to an active column filter and you try to move any column via drag&drop, you'll experience an application yet. This bug is fixed.

CADISON Catalog Control doesn't work after using "Copy data from" / "Copy data to"

If you attach a catalogue item to an object using "Copy data to" or "Copy data from", this object cannot be checked by the CADISON Catalog Control (CCC) properly. To be more precise: It isn't possible to check, if the latest catalogue item is assigned or not. The reason for this insufficient check is the fact, that the fields "State of the catalog data" and "Checked by" contains the information "no data". Since this Release the internal CCC properties OBJECT_STATUS, OBJECT_CHK_NAME and OBJECT_CHK_DATE from the source object will be transferred as well and the CCC-check will be performed correctly.

Report generator

Bugfixes

#24423

Reference to non-existing templates using REPORT_FORM

If a report form is referred to a non-existing report template using a REPORT_FORM instruction, then the Word Report Generator terminated previously. Starting from this version, the Report Generator continues with the next instruction, whereby it is logged in the CADISON system instructions that there is an access problem to the report template.

Report Instruction \$INSERTFILE\$ to non-existing RTF file

Using the report instruction \$INSERTFILE\$, it can be referred to a further report file to be imported. If a non-existing .RTF-file was referred, then the Report Generator terminated previously with an error.

Use of \$SUM\$ and Formula Inputs in a Report Form

If the key word \$SUM\$ is used in a report template and simultaneously, work is done with specific formula inputs such as \$P_majobj.PHI-PLIN.PLANT_BMMK\$, then the same objects were not linked and no text was output for the formula. This error has been eliminated.

Creation of Reports with long Viewstrings in the Tree not possible

Reports with long viewstrings in the tree could not be created in the background. This problem has been eliminated.

#22113

Wordwraps of Memo Texts from Matpipe are not executed

If a complex memo text contains wordwraps in Matpipe, then these wordwraps were not output in Word reports if the text was shorter than 255 characters. This error has been eliminated.

Designer

General

Bugfixes

#24059

Attribute Text Orientation

Individual attributes can be re-oriented in symbols using the function "Orient Attribute". Thereby, the settings "above right" and "center" however did not function. This error has been eliminated.

#24410

Problems with AutoCAD UNDO Command

In case of some CADISON commands in Designer, it may lead to problems with AutoCAD BACK command (UNDO). If CADISON commands are accessed and immediately afterwards the AutoCAD BACK command (CTRL+Z) is used, then the CADISON command can not only be reverted back, but even the change executed before this command can be reverted back (irrespective of whether it concerns CADISON or AutoCAD command). The following commands were thereby affected:

- Edit nozzles
- Edit manway
- Context menu (CTRL+right mouse key on CADISON element)
- Fonts
- Consistency test
- Edit pipeline connection from/to
- Create 2D-DWG from layout
- Start CCC edit
- Move object in the pipeline
- Rotate object in the pipeline

Starting from this version, not many problems are caused when using these commands, if AutoCAD BACK command is subsequently used.

#24551

Opening a Drawing from Tree Table does not function

If the dockable tree dialog is opened in Designer, then a table can be displayed in this. If further AutoCAD drawings are included in this table, then these can be opened using the context menu. However, CADISON R9.0.0 crashes at this point. The command from context menu can be used without any problem starting from this version.

#24659

Option "Plot in Background"

Previous CADISON versions have not supported the AutoCAD option "Plot in background". If this option has been used in AutoCAD PLOT command, then previously the dialog "Automatic drawing test" appeared with the query, whether the drawing is to

be copied or renamed.

Starting from this version, AutoCAD option is supported by CADISON.

#22082

Closing the Gaps in Pipelines

If a drawing is loaded in Designer, then the dockable tree is opened and the pipeline elements of active drawing are deleted in this tree, then the elements in this drawing were also deleted previously. However, still the pipelines were not deleted. Starting from this version, pipelines are closed in the same way as they are closed, when the pipeline elements are directly deleted in the drawing.

Designate Object with Block

Function "Label object with block" did not function correctly, if the option "List" is selected for the object selection. An error message appeared in AutoCAD command line and a designation block was not created. Starting from this version, the designation blocks are correctly created.

PID-Designer

New functions

Coordinates of 2D Polyline Graphics

For CADISON objects, whose graphical representation is implemented using blocks, the block insertion point is taken as basis for the graphic properties "XPos", "YPos" and "ZPos". These properties are displayed using the object properties "X_COORDPID" and "Y_COORDPID" by CADISON objects. Furthermore, the block insertion point also supports the property "GRID" (grid coordinates in P&ID).

In case of CADISON objects, which are displayed as 2D-polylines, these properties do not exist, whereby the object properties "X_COORDPID" and "Y_COORDPID" are not filled with contents - no more "GRID".

In case of hoses, these object properties are present. But since the hoses are represented as 2D-polylines and these properties are not present there, the object properties are also not filled.

Starting from this version, (an approximate) center point of the polyline is used for 2D-polylines as "XPos", "YPos", "ZPos" and "GRID". With this, correct contents are available for the object properties in case of hoses.

3D-Designer

Bugfixes

#24513

Complete Pipeline does not work

If a stub end or a weldneck is inserted in a pipeline in R9.0 and subsequently, if it is edited using the command "Complete Pipeline", then a message "Exceptional error occurred for ARX command A_GENERATE_SCREW" appeared in R9.0.0. This error has been eliminated.

#24627

Bend Ratio and Bend Angle in the Pipeline Dialog

When selecting some nominal widths in pipeline dialog, bend ratio and bend angle were not shown, even when the corresponding unique parts are available in Matpipe catalog. This error has been eliminated.

Crash when using Auto-CAD Commands LIST

Parameters of the individual drawing elements can be displayed with AutoCAD command LIST. If the command in R9.0.0 is used for CADISON 3D elements (such as bends), then it could lead to crash of AutoCAD. This error has been eliminated.

ISOGEN

Bugfixes

#24606

Isogen Position Number is not saved for Isometry of several Pipelines

If several pipelines are selected in CADISON Designer for Isometry creation, then only the position numbers used by Isogen were previously saved for the last pipeline. Starting from this version, the position numbers of all pipelines are saved in CADISON (so far the Isometries of Isogen can be created).

#24974

Plotting/Saving a new generated Isometry

If the project setting "ISOGEN one drawing per pipeline" was active while generating isometries in CADISON R9.0.0 and afterwards you tried to plot or save the new generated isometries, a message appeared in the AutoCAD command line, which basically says, that the plot or save command can't be processed, because another command is still active. This bug is fixed.

Visio PID

New Functions

#24071

Support by AEX files

Starting from this version, the functionality of attribute exchange is supported in Visio P&ID Designer on the basis of .AEX files. When placing the objects in the drawing, the designation attributes are created corresponding to currently installed AEX file. If another AEX file is installed or changes are made in AEX file, then these changes are transferred by opening the function "Set designation style".

Function Changes

Setting "Move Object with Line"

Previously, this setting was only saved in the latest Visio session; this setting is permanently saved now.

Bugfixes

#24316

Creating New Symbols

If a new symbol was defined and it was inserted, CADISON internally created incorrect connection information. Thereby, no nominal width information could be evaluated from the connected object amongst others.

The error was in the function "Create new symbol". Symbols, which have been created with R9.0.0, also do not function correctly in this version. Symbols, which are created with this version, are working correctly.

Object Designation with Unicode Characters

Previously, it was not possible to create a designation, in which Unicode characters were included. This limitation is eliminated in this version.

Insertion Point in case of New Symbols

If a new shape is defined with the function "Create new symbol", then partially incorrect values were saved for the insertion point (GluePoint). Symbols were then not designed correctly, if they were inserted in a pipe route. This error has been eliminated.

"Paste" the custom defined Symbols

If custom symbols (shapes) are defined in Visio P&ID Designer and these were inserted in pipelines, then it was possible that they were not correctly "pasted" by Visio so that

the connected pipe routes were not tightened. This error has been eliminated.

No Pipe Breaks after Loading a Drawing

It was possible that the already available pipelines were no more broken after opening a drawing, if new objects were subsequently positioned on the pipe routes. Similarly, allocation to logical system was not carried out sometimes, if objects were placed within such system. These errors have been eliminated.

Designation of additional VISIO objects provided with CADISON Information

Previously, the designation of shapes was placed at the start of the drawing, if these shapes did not possess any data over the control points.

In the latest version, the designation in such a case is directly placed at the start of the drawings.

Faulty Visio drawings after using ITFTools clean-options

If you've placed several objects from a stencil in a CADISON Visio P&ID drawing and afterwards you perform an ITFTools clean-command, in specific circumstances the error phi_XObjectGraphic is stated.

Then, if you open the corresponding drawing and you check the graphical connections via the Objecteditor, some properties are missing. This bug is fixed.

Project-Engineer

Function changes

#23813

Automatic Re-numbering in case of Terminals

If a terminal strip is shifted to another terminal strip in the tree in AKH environment, then the subordinate terminals are transferred automatically and are numbered again. Previously, the super-ordinated distributor was first determined for this purpose and all the matching terminals strips were queried from these. From these strips, all the terminals were determined. Thereby, next free terminal numbers were obtained. These were then used for acceptance of the terminals.

Starting from this version, the terminal numbers are assigned differently. Even the terminal numbers of subsequent terminal strips are numbered again.

Bugfixes

#23333

Incorrect Structure View / Table View

If several tree windows are opened with different structure views in Project-Engineer and then another project is opened, then it was possible that the usual default structure view was not selected for the new tree window. Additionally, it could also lead to problems, if another structure view was then selected, since the selected structure list was not used in its place.

This error has been eliminated so that even the usual default structure views are used after changing a project and a final change in the structure view is carried out correctly.

QuickInsert Function does not insert any Objects

QuickInsert dialog did not insert any object in the tree in R9.0.0. This error has been eliminated.

Incorrect Control of Command "Import Auxiliary Object Model"

The command is available in Engineer in two positions.

If a project is not loaded, then the command is included in the project menu. However, user authentication was not taken into consideration there for the display of the command.

If a project is opened and the project object is selected in the tree, then command also appears in Extra menu. If the command is requested from the Extra menu, then the current project database is to be actually updated. However, CADISON also asked here for the project database to be updated.

Both the errors are corrected in this version.

MATPIPE

Functional Changes

#24369

Matpipe Objects with Structure Sub-Elements

In Matpipe, a component can be created, which additionally contains sub-elements. If this "complex" component is inserted in a 3D drawing, then the graphics are created both from the main element as well as from the sub-elements. If a design specification is attached in the catalog, then all the individual parts are assembled correctly using this rule.

Previously, this functioned only if all the sub-elements are subordinated via COMPONENT link to the main object. Sub-objects, which are linked via STRUCTURE link, were not created previously automatically via attached design specification. Previously, these elements had to be placed manually.

Starting from this version, all the available sub-elements are created via design specification.

New Languages in Language Option

Previously, all the languages of European Union were not offered in the language option of the catalog in Matpipe. Starting from this version, all the languages are available.

Bugfixes

Replication of Configurable Objects with CONFIGOBJ

In Matpipe, a configurable object can possess a sub-object of the type CONFIGOBJ (VCS-PROP). If the main object is replicated, then previously the link was included in the replicated object, but no CONFIGOBJ was transferred. With this, the replicate could not be correctly used.

Another thing that occurred was that the CONFIGOBJ was not transferred when copying such objects.

Both the errors have been eliminated in this version.

MATPIPE Operation not possible License that is checked out

MATPIPE Release 9.0.0 could not be used with a license that is checked out. This problem has been eliminated in the latest release.

#24364

Problem with Naming the Object Tables

MATPIPE requires two ACCESS tables per object table. In the first table, main entries are saved and detailed entries are saved in the second table.

If new object table has been created, then the main table is immediately created. This gets the previously specified name. If the object table is given detailed entries, then the detail table is automatically created. This gets the same name as the main table and only an extension "D".

In the latest version, it is ensured that existing tables are not overwritten when creating an object table and the name of the detail tables remains reserved in the catalog, even if this table is not created yet.

Replication of configuration descriptions

The configuration description of linked objects weren't replicated, if the base object - together with all linked objects - is replicated into another catalogue. This bug is fixed.

Conclusive Information

The **CADISON Hotline** is available during the time mentioned below:

Mon. – Thurs. 08:30 bis 17:00 Uhr
Fri. 08:30 bis 15:00 Uhr

Telephone: +49 6196 6092-**500**
Fax: +49 6196 6092-**202**
Email: hotline@cadison.com

In case of special questions you are welcome to contact our employees.

CADISON Training:

Training office
Telephone: +49 6196 6092-**510**
Fax: +49 6196 6092-**202**
Email: Training@cadison.com

CADISON Sales:

Sales office
Telephone: +49 6196 6092-**310**
Fax: +49 6196 6092-**202**
Email: sales@cadison.com

Further information can be found on our Internet homepage:

www.cadison.com

or contact us at

info@cadison.com

We wish you great success with CADISON.

Your *CADISON-Team*

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