News

9.8.1

New

! Global

- **Webapp - Addition of the first elements of DNC management**

! DNC

- **Webapp - Addition of documents listing**
- **Webapp - Addition of versions listing and their metadata**
- **API - Introduction of a loading resource in RS232**
- **API - Introduction of a concatenate loading resource in RS232**
- **API - Introduction of a loading resource in SMB**
- **API - Addition of the possibility of listing the documents of a machine and its group**
- **API - Addition of the possibility of listing the documents in basket**
- **API - Addition of a document deleting resource**
- **API - Addition of a resource for deleting versions**
- **API - Addition of logs on nominal execution**
- **Remote engine - Addition of logs on nominal execution**

Improvements

! Global

- **API - Improvement of the description of certain errors for more readability**
- **API - Evolution of the presentation of the resource/group data structure**
- **Webapp - The application now uses the V16 framework**
- **Dropping support of the USB license system support (blue/green)**
- **Deletion of the dashboard2 dashboard2**

! Prod

- **The change of manual state now goes through TCP instead of the temporary file**
- **Automatic forcing now goes through TCP instead of the temporary file**
- **The configuration of deadlines and flashing is now only possible on Boolean variables**

Corrections

! Global

- **Correction of a presentation anomaly in the white paper of the database**

! Prod

- **Correction of anomalies around the interpretation of timed variables**

- **Instabilities correction in the Manual State Change Process**
- **Webapp - Correction of anomalies in overflight of states in the timeline**

9.8 / Version 2024

News

Global

- **Availability of a new version of the white paper**
- **Added a boot option set to test mode**

PROD

- **Availability of the selected program in FOCAS in the state change command editor**
- **API - Introduction of a replacement resource for the current state**
- **API - Introduction of an auto state forcing resource**
- **WebApp - Showing api errors in interface**

Improvements

PROD

- **WebApp - Improved display fidelity of DNC/PROD LEDs on machine thumbnails**
- **WebApp - Improved display of status history in the timeline**
- **WebApp - Improved cnc metadata performance**
- **Added editor syntax highlighting clause reordering buttons**

Fixes

Global

- **Improved keyboard-only authentication experience**
- **Fixed automatic authentication synchronized with Windows profile**
- **WebApp - Fixed an anomaly when a user disconnects**

PROD

- **Fixed an issue with refreshing the 'Input Status' window**
- **Fixed an anomaly when refreshing the enginedrivertable table on OPC quality change**
- **WebApp - Fixed list and matrix mode display**
- **WebApp - Fixed an anomaly in the status information bubble in the timeline**

DNC

- **FOCAS DNC - adjustment of timeouts to adapt to specific situations**
- **API - Fixed an anomaly where the document resource listed documents belonging to deleted CNCs**

9.7.4

News

PROD

- **Added data corruption detection mechanism to the state history display**
- **Added logs on the detection of non-existent variables in state change commands**

Improvements

Global

- **API - Improved consistency in API documentation related to date formats**
- **API - Improved API stability via various fixes**

PROD

- **WebApp - Improved visibility of selected state in history**
- **Improved performance of updating the value of tags in the database**

DNC

- **Conservation of the selection of documents after a multiple certification operation**
- **SMB - Introduction of a mechanism to renew attempts to delete files from the IN folder in case of failure**
- **Improved validation in state change scenarios around the index increment obligation**
- **Introduction of a refresh of the tree structure after the manual import of a complete folder**

Fixes

Global

- **API - fixes inconsistencies in date formats returned by the API around time zones**
- **Fixed database connection leaks in low-level user management functions**

PROD

- **WebApp - Fixed an anomaly causing certain states to not be displayed in the timeline**
- **WebApp - Fixed state alignment issues in the timeline if days are empty**
- **Removal of unnecessary logs in the OPC-UA connection flow**

DNC

- **Fixed a regression preventing navigation in subdirectories via the tree structure**
- **Fixed an anomaly in the vertical indicator of the comparator**
- **Fixed a navigation anomaly allowing you to exit the library view without warning if a CNC is connected remotely**
- **Fixed an error in persistence of the "tree activation" option when creating a user**
- **Fixed version lock release error by multi-windowed editor**
- **Fixed a regression on multiple directory certification**

9.7.3

News

PROD

- **Availability of the selected program in the formula editor for LSV2**
- **Availability of the selected program in the formula editor for HEIDCOM (opt18)**

Fixes

`PROD`

- Fixed an error message when deleting a group

`DNC`

- Fixed an anomaly allowing you to leave a remote connection without closing it

- Fixed an anomaly on the splash screen of an OEM version

- Fixed an anomaly causing an archive document (.zip) to be blocked after editing

- Fixed a navigation inconsistency associated with the presentation of the send/receive/dnc connection buttons

9.7.2

News

`PROD`

- Introduced the ability to reset the coin counter when starting an operation period

- Introduced the ability to pre-enter the coin counter value when closing an operation period

- Added a notion of 'part per cycle' in the operation properties

- API - availability of parts counter value

- API - availability of production order list

- API - availability of list of operations

- API - opening the possibility to reset the cycle counter

- WEB UI - presentation of cycle counter value

- WEB UI - presentation of the list of manufacturing orders and operations

- Availability to use OPC-DA as part of automatic cycle counting

- Availability to use OPC-UA as part of automatic cycle counting

Improvements

`PROD`

- Increased font size in the state change command editor for better readability

- Improved stability of the HEIDENHAIN CProd activity tracking driver

- Using a newer version of the default heidenhain sdk

- The Heidenhain tester now shows the version of the SDK used

`DNC`

- Securing the status scenario by prohibiting the configuration of a status having no index increment

- Added the ability to refresh the tree view from the context menu.

- Added the ability to delete a remote file via protocol remote on context menu

Fixes

`PROD`

- Fixed an anomaly when reloading automatic counting parameters via FOCAS

- **Display start and end times in status history list view**

- **Fixed an inconsistency when recording end dates on running programs**

- **WEB UI: periodic refresh of the CNC details page**

- **API: Fixed an anomaly on the second call to resources requiring authentication**

- **Fixed an anomaly when reporting running programs via HEIDENHAIN**

- **Fixed an anomaly on parts counting**

- **Fixed a status visualization problem if the current status starts just after the selected period**

`DNC`

- **Fixed an anomaly when deleting flags in transfer history**

9.7.1

News

`PROD`

- **Introduction of a primitive system for automatic counting of machine cycles (add-on license required)**

- **Cycle counter manual reset action**

- **Automatic counting of machine cycles via Fanuc FOCAS**

- **Provision in the API of the number of machine cycles counted**

- **Development of a FOCAS Tester for technicians and integrators. On demand.**

Improvements

`PROD`

- **Improved display of long expressions in command simulator**

`DNC`

- **Implementation of an alert when a user tries to open a version already open in another session**

Bugfixes

`PROD`

- **Correction of an anomaly causing flashing of the states on the machine thumbnails on installations with a large number of CNCs.**

`DNC`

- **Fixed a regression in the FTP Client protocol. NB: FTP Client switches to passive mode.**

9.7 / Version 2023

New

`PROD`

- **Availability of a FOCAS tester for auditing Fanuc CNCs for monitoring projects. Contact our teams to get it.**

- **Possibility to show the name of the program being executed in addition to the program selected via Heidenhain LSV2**

- **Possibility of raising the name of the program being executed in addition to the program selected via Heidenhain COM**

- **Ability to upload the name of the selected program in addition to the program being executed via Fanuc FOCAS**
- **The API has a new resource providing running programs**

Improvements

Global

- **The display of the "Database" menu no longer requires the DNC mode to be active on the license.**
- **It is now possible to use the MASTER profile for connection to the API**

DNC

- **The CSMB service now has a system for detecting the unavailability of source folders so as not to block transfers to other machines.**

PROD

- **The Heidenhain MDC COM tester now displays the currently running program in addition to the selected program. On compatible machines.**

Bugfixes

DNC

- **Fixed an error occurring when enabling search by content.**

PROD

- **Fixed a zoom display anomaly on machine history in timeline mode.**
- **Fixed an anomaly when performing a POST request on /status_history in the API**

9.6.3

New

Global

- **Added API resource to get user details**
- **Addition of an API resource allowing to obtain the details of user groups and their permissions**
- **Addition of an API resource allowing authentication via login and password**
- **Added API resource to get machine status history**
- **Evolution of the API online documentation to reflect the changes made**

DNC

- **Added folder search functionality in CNet DNC.**

Improvements

DNC

- **Versions window now highlights the selected version in the list**

Bugfixes

PROD

- **Fixed a regression introduced in v9.6.1 preventing proper evaluation of multi-line state change expression**

- **Correction of an anomaly in the consideration of terminal states in the accumulation matrices**
- **Correction of an anomaly in the merging of state in the machine history presented in list mode**

9.6.2

New

PROD

- **Finalization of OPC-UA compatibility on SIEMENS 840D (authentication and acceptance of certificates ok)**

Improvements

DNC

- **Improved error feedback in the case where two CNCs use the same FTP login and password**
- **RS232 send filters are now applied to concatenated sends**
- **Addition of the user name on the traceability on document during the manual import of a version**
- **Introduction of a keyboard shortcut to trigger manual import**
- **Improved listing of programs and folders via FOCAS on new generation Fanuc CNCs**

PROD

- **Improved display performance of the current program on thumbnails on a large installation**

Bugfixes

Global

- **Fixed a translation anomaly where some yes/no buttons were not displayed in the user's language**
- **Fixed an anomaly in the configuration wizard triggering the migration when the target folder has an unknown version number**

DNC

- **Fixed a file size detection anomaly of a new version downloaded by a Mazak SmoothC CNC in FTP**
- **Correction of an anomaly in the representation of the selection in the program comparator**

PROD

- **Fixed various anomalies in machine time accounting in matrix view**
- **Correction of an anomaly preventing the selection of a personalized period straddling several months**
- **Correction of an anomaly around the collection of user registers via the FOCAS protocol**
- **Correction of an anomaly around the collection of alarms via the LSV2 protocol on CNC HEIDENHAIN**

9.6.1

Notes

Global

- **This release is the first to use a newly updated development environment. If you notice regressions, contact our technical team.**

New

`Global`

- **Introduction of a verbose mode on the Worker logs to allow a better diagnosis of the processing of notifications**

`PROD`

- **Introduction of the possibility of uploading production data in OPC-UA on SIEMENS 840D (incomplete, evolution to follow in future versions)**

Improvements

`Global`

- **The API now uses the ISO 8601 format in 'zulu time' for date/time type data**

`DNC`

- **Improvement of the quality of logs on specific functions to help with diagnosis**
- **Automated deployment of the siemens service template executable**

`PROD`

- **Addition of a constraint preventing the re-writing of the current state from the machine history menu**
- **Added a HEIDENHAIN COM expression value tracker. similar to FOCAS and HEIDENHAIN LSV2.**

Bugfixes

`Global`

- **Spelling corrections in French language.**

`DNC`

- **Fixed document permanent deletion behavior inconsistency**
- **Fixed an anomaly preventing version comparison on archived documents**
- **Fixed an anomaly when loading programs in SMB to another machine**
- **Fixed an anomaly when loading program aliases in SMB**

`PROD`

- **Fixed an anomaly causing excessive CPU usage by CProd for KPI calculation**

9.6

New

`Global`

- **It is now possible to start the software via the MASTER profile independently of the license mode**
- **Support of TLS 1.1 and TLS 1.2 for the SMTP authentication of the notification module**

Improvements

`DNC`

- **Support for sending a FOCAS DNC file**
- **Improved support for decimal separators by the comparator**

PROD

- **Translation of logs associated with the support of the HEID COM protocol introduced in 9.5.3**
- **The calculation of KPIs is now centralized in CProd for more efficiency**
- **Improvement of the configuration and persistence process of access to OPC UA servers**

Bugfixes

DNC

- **Correction of an anomaly on the stopping of DNC communication from contextual menu**
- **Correction of an anomaly when calling a program in RS232 when the same program reference is present in sub-folders**

PROD

- **Correction of an anomaly on the manual override of the automatic state from contextual menu**
- **Fixed an anomaly preventing simultaneous connection to several OPC UA servers**
- **Correction of an anomaly preventing the visibility of the last tags in the list of machine data**

9.5.3

New

! Global

- **Signature of installers via certificates recognized by Microsoft Smartscreen to facilitate installation**

! DNC

- **Added the possibility to print a PDF program comparison report**

! PROD

- **Support for configuration via HMI of data collection via HEIDENHAIN Option 18**
- **Support documentation for CNC connection via HEIDENHAIN Option 18**

Improvements

! DNC

- **Extended capture now has a maximum range of one million characters**

! PROD

- **Addition of logs on the HEIDENHAIN Option 18 connection phases**
- **Introduction of a less verbose log mode to avoid "value missing" errors on the workstation of an integrator**

Bugfixes

! Global

- **Fixed an anomaly causing the loss of notifications when delays were used on the notifications.**

! PROD

- **Fixed issues associated with disconnecting and reconnecting CNCs via HEIDENHAIN Option 18**
- **Fixed an anomaly on the management of variables using HEIDENHAIN COM expressions**
- **Fixed an anomaly on the handling of variables using HEIDENHAIN LSV2 expressions**

- **Correction of a display anomaly of the timeline in personalized period**

9.5.2

New

PROD

- **Support for HEIDENHAIN option 18 for production data collection (ask team for setup help)**
- **Development of a utility allowing the audit of HEIDENHAIN CNCs with option 18 (available upon request)**

Enhancements

Global

- **Partner details can now be seen even when the software is started without admin permissions.**

PROD

- **The reference cycle can now exceed 100 hours.**

Bugfixes

DNC

- **Fixed a problem making the comparison with the MASTER profile unusable if the left part was reduced**
- **Fixed an issue making the folder tree invisible with the MASTER profile**
- **Fixed an anomaly returning the user to the root of the library after editing a program in recycle bin**
- **Fixed an anomaly returning the user to the root of the library after closing a version list of a program in the recycle bin**
- **Fixed an anomaly returning the user to the root of the library after pressing F5 from the recycle bin**
- **Fixed an anomaly in the management of the 'next number' button**
- **Correction of a significant performance degradation on the version listing (Windows Update suite)**
- **Correction of a significant performance degradation in other areas of the software (Windows Update suite)**

PROD

- **Correction of a significant performance degradation in other areas of the software (Windows Update suite)**

9.5.1

Enhancements

Global

- **The MASTER user now has his own GRP_MASTER group**

DNC

- **Improved performance of deletion from recycle bin**
- **It is now possible to delete documents using the keyboard (DEL key)**
- **Improved German translations of program library column headers**

Bugfixes

Global

- **Correction of a set of anomalies associated with the renaming of the administrator group and authentication in MASTER mode**

DNC

- **Correction of an anomaly triggering errors on actions on a multi-selection of documents**

- **Fixed an anomaly returning the user to the library when applying a filter on the recycle bin**

- **Correction of a regression on the certification of documents in multi-selection**

PROD

- **Fixed an anomaly in CNetProd triggering an error when closing the application**

- **Correction of an anomaly on the Excel export in the case where the destination file already exists**

- **Correction of an anomaly in the collection of the program number via the FOCAS protocol**

9.5 / Version 2021

Enhancements

Global

- **Translation of the error message informing of the absence of the correct version of the .NET framework**

- **Deployment of the new version of TeamViewer for remote control**

PROD

- **In the status history, the status selection bar now displays the CNC concerned**

- **An error message appears to signal the creation of the SIEMENS data collection service**

- **Improvement of the SIEMENS data collection configuration interface**

Bugfixes

Global

- **Correction of an anomaly triggering the display of the message of absence of the correct version of the .NET framework, even when the latter is present**

DNC

- **Fixed an anomaly causing errors when importing massive files via network import.**

- **Fixed an anomaly in the grouping of CNCs leaving a CNC outside a group if the group has its name.**

- **Correction of the impossibility of establishing an FTP connection if the number of licenses is lower than the number of machines, even not activated in DNC..**

PROD

- **Fixed an anomaly in CNetProd related to refreshing navigation buttons.**

- **Fixed an anomaly when sending PDF reports via email to workstations using Swiss regional settings.**

- **Fixed of a set of anomalies associated with navigation in the state history of a CNC.**

- **Fixed of an anomaly preventing the display, in CNetPROD, of a machine with an operation in progress.**

9.4.4

New

`PROD`

- **It is now possible to collect machine status via a TCP protocol for SIEMENS CNCs (contact us for more details)**

Enhancements

`DNC`

- **Deleting a CNC will now lead to the renaming of the latter so as not to enter into a name conflict during the subsequent creation of a CNC of the same name.**

`PROD`

- **It is now possible to define the interval for calculating key productivity indicators (KPI)**

Bugfixes

`DNC`

- **Fixed an anomaly when calling a file in SMB for machines belonging to a group.**

`PROD`

- **Fixed an error when displaying a day in the status history of CNet PROD.**

- **Correction of an anomaly preventing CProd from starting on 2004 versions of Windows 10 (.NET 4.8 - OPC compatibility)**

9.4.3

Enhancements

DNC

- The destination folder is now displayed in the events when importing program(s) (manual or automatic).

- The destination folder is now displayed in events when unloading a program.

- It is now faster to export a set of documents thanks to the addition of a choice of revision selection strategies for the export.

- It is now possible to quit CNet (access to the Bye button) from the 'Load' and 'Unload' pages.

PROD

- It is now possible to simulate real-type FOCAS variables with a decimal precision of up to 5 digits.

Bugfixes

DNC

- Correction of an anomaly related to the cancellation of a manual import.

9.4.2

Enhancements

DNC

- **The performance of moving many documents to the bin has been drastically improved.**

- **The performance of restoring many documents from the bin has been drastically improved.**

- **The performance of deleting many documents has been drastically improved.**

- **COM activation and COM deactivation actions now require dedicated user permission.**

- **FTP unload events now specifies the name of the destination folder.**

- **It is now possible to clear document search filters with a single click.**

- **Mandatory fields in document properties are now highlighted.**

Bugfixes

DNC

- **Correction of an anomaly preventing the good translation of the strings present in the version window.**

- **Correction of an anomaly not respecting the automatic capture masks for the files present in sub-directories.**

- **Some channels linked to smmCFTP events are now translatable.**

- **Ajout d'une erreur sur la copie d'un document qui est déjà présent en corbeille.**

- **Addition of an error when copying a document that is already in the trash.**

- **Correction of an anomaly leading to the creation of two revisions instead of one when creating a new document.**

- **Fixed an anomaly causing the use of the multiple document export mechanism when selecting a single document.**

PROD

- **Fixed an anomaly preventing the use of several homonymous variables in separate machines.**

- **Many references to Ctime have been removed from the software or replaced by appropriate strings.**

9.4.1

Enhancements

Global

- **The smmWorker service can now be installed without automatic start from the configuration wizard.**

- **Any new user created will now be visible by default.**

- **A notification may be sent (email / sms / tile) when the connection to the online license server is interrupted. (license connected only).**

- **The language change utility has a new look.**

DNC

- **The known IP address for a machine connected via FTP (server) is now displayed in read-only mode in the machine properties.**

- **Addition of an option allowing to request the automatic deletion of empty directories after an automatic import.**

PROD

- **It is now possible to access the history of a machine from the current states view.**

- **It is now possible to delete manufacturing orders in multiple selection.**

- **It is now possible to delete operations with multiple selection.**

Bugfixes

Global

- **Correction of a graphic incompatibility with certain German translations.**

DNC

- **Correction of an anomaly preventing the good persistence of the width of columns of the document explorer when closing the software.**

- **Fixed an anomaly preventing the opening of associated OLE documents via quick access.**

- **Fixed an ambiguous error message appearing when deleting multiple documents.**

PROD

- **Correction of an anomaly preventing the good persistence of the type of period selected in the history view when closing the software.**

9.4 / Version 2020

Enhancements

DNC

- **Multiple file import now displays progress.**

- **New comparison filter lets you ignore decimal separator differences (. and ,)**

- **Entering a comment on a revision is possible with the permission "Can modify version comments"**

PROD

- **It is now possible to add a comment of more than 100 characters on a report.**

- **The calculation of the indicators is now smoothed so as to avoid peaks in calls to the BDD.**

- **The calculation of indicators as a whole is slightly less resource intensive.**

- **A message informs the user if a personalized period of time has been selected which contains partial periods of oparations.**

Bugfixes

Global

- **Fixed display error in email configurations.**

- **Starting the application on an inaccessible working folder no longer causes an access violation.**

DNC

- **Fixed an error when opening certain program files.**

- **Correction of an anomaly preventing the cancellation of the loading of programs in remote protocol.**

- **Correction of an anomaly preventing the cancellation of the downloading of programs in remote protocol.**

- **Correction of an anomaly of calculation of version size after certification.**

- **The API / Doccument resource no longer lists the documents in the trash.**

- **Correction of errors of German-speaking translations.**

PROD

- **Hiding double-chevron of period change in custom mode.**

- **Removal of the miscellaneous menu in the production options. No longer used.**

- **Correction of an anomaly in the calculation of the total time in the indicators pane when selecting a personalized period.**

9.3.3

Enhancements

Global

- **Modification of the term of use (now includes sms billing policy).**

- **Update the product loco in the remote support utility.**

DNC

- **Added the ability to empty the CNet DNC Recycle Bin.**

- **ISO Editor's quick access are no longer limited to the first 10.000 lines.**

Bugfixes

DNC

- **Fixed a bug when receiving FOCAS files after receiveing a protected document.**

- **Fixed a bug in the creation of program statuses during a migration operation from CWork4.**

- **Fixed a database connection leak observed when sending a program through the DNC API.**

- **Fixed a bug when importing a file named only with '_' (underscores).**

- **Fixed a bug when mass sending files from CNet DNC.**

9.3.2

Enhancements

Global

- Added in-app configurable notifications.

- Software with a version number lower than that of the license server will no longer be blocked.

DNC

- The editor's compression tool no longer considers comments.

- CNet has a new option to disable password entry on the "Save All" button.

PROD

- The CPROD engine now supports the FOCAS function 'statinfo_aut'.

- It is possible to change the machine state thanks to a new API resource '/ status_history'.

- It is now possible to configure multiple production reports for the same period.

- Order and job names are synchronized to the API and software.

Bugfixes

DNC

- Fixed a bug allowing the start of a job not assigned to a machine.

- Fixed a bug causing a duplication of colorization profiles.

- Fixed a memory leak on the '/ Send' resource of the DNC API engine.

- Fix API engine crash when submitting over 50 queries on '/ Send' resource.

- Adding a missing label in the SMB Client options.

- Fixed an error on the resource '/ Send' if the document belongs to another machine in the group.

- The API documentation contains the list of protocols compatible with '/ Send' and '/ DeleteRemoteRange' resources.

- Fixed a bug that opened an empty version window when the editor is closed in multi-windowed mode.

- The program index no longer loses its value in the editor when saving and moving the mouse.

PROD

- Date and time are now correctly passed to custom reports.

- Fixed a bug in the chronograph that does not display the start date of orders.

9.3.1

Enhancements

Global

- The function 'fill fields' now has a progress bar to track its progress.

DNC

- Better management of the input of floating values in the editor tools.

- The unloadings ignored, because identical are now the subject of a log in the traceability of the document.

- FTP connection errors are now more explicit.

- Improving the experience of opening attachments through the context menu of a document.

- Added the ability to provide a prefix to the api /macroDelete endpoint for selecting files to delete.

PROD

- It is now possible to use the '&' and '|' in the OPC-DA expressions.

- Fixed external data management in the ID-6515 dashboard.

- The maximum number of parts per job has been raised (previously 100k).

- CProd no longer has an automatic restart every 24 hours by default.

- The display of tooltips on the states of the history has been extended for more comfort.

Bugfixes

Global

- The start of the installer can be set again so as not to trigger the start of the configuration wizard.

- Out of order notification when too much list of running notifications has accumulated.

- Fixed an email format validation in the license activation form.

- Fixed anomalies when assigning a photo (jpg) to a machine.

DNC

- Fixed a submission error (POST) of more than 50 documents through the DNC API.

- Fixed saving integer sort property when changing machine.

- Better view of the 'document' column of the traceability window.

- Fixed an error while trying to access the common folder.

- Fixed alphabetical sorting of folders to FTP listing.

- Restoring the position of the cursor when saving a file from the editor.

- Fixed the algorithm for sizing files.

- Fixed a crash while searching on emergency or size fields

PROD

- Fixed an anomaly of refreshing PLC variable data via FOCAS.

- Correction of an anomaly of refresh of the current program in LSV2.

- Fixed an anomaly of refresh of the current alarms in LSV2.

- Fixed a memory leak in CProd on the generation of notifications.

- **Fixed an anomaly preventing changing of CNC group in the history menu.**

- **Various corrections in the assignment of calendars.**

- **Corrections in the management of the names of states containing spaces.**

- **Correction of machine availability indicator on CNC card (see #6332 for more details)**

- **Correction of an anomaly of calculation of the KPIs on the period including the current state.**

9.3.0.2

Corrections

DNC

- **Fixed an omission to delete a temporary file when editing an NC program.**

9.3.0.1

Bugfixes

PROD

- **Fixed a problem affecting the use of the name of the current program on Heidenhain machines.**

9.3 / Version 2019

New

DNC

- **DNC API: Added a resource to send a program directly to the machine from a third party application. (compatible with remote Ethernet protocols only)**

- **DNC API: Added a resource allowing the remote removal of a program present on the machine from a third-party application.**

PROD

- **The machine group structure on the production tracking module is now fully stored in the database.**
  Allows advanced reporting on machine groups
  Existing groups will be automatically migrated during the update (recommended backup)

- **Added the ability to configure group-specific reports in the reporting module for each period (day, week, month, custom)**

- **Added 2 new default reports for machine groups: weekly and monthly. These reports aggregate and confront the performances of the machines of the group. Available in French and in English.**

- **It is now possible to use an alarm indicator on the machine in LSV2 in status change commands.**

- **It is now possible to use the name of the current program on the machine in LSV2 in the state change commands.**

Enhancements

Global

- **Start-up performance gains thanks to optimized license reading (up to 50% faster on this step)**

DNC

- **It is now possible to export a document from the context menu of this one in the program management screen.**

Bugfixes

DNC

- **Fixed an error in the inactivation of syntactic colorization of the ISO editor.**

- **Fixed an error when closing the search by content screen.**

- **Fixed an anomaly when closing the ISO editor.**

PROD

- **Corrections of an OPC-UA tag reading problem on servers requesting anonymous authentication.**

- **Fixed an error when manually adding a subsequent state to the beginning of the current state.**

- **Fixed an error related to updating opening calendars under oracle.**

9.2.1.2

Bugfixes

Global

- **Fixed a database connection error message on large amounts of program listings**

PROD

- **The customization of the OPC UA authentication by default is now functional. This makes it possible to connect to OPC servers anonymously.**

9.2.1.1

Bugfixes

Global

- **Correction of a database connection error message on bulk manipulation of programs (deletion, sending, import ...)**

9.2.1

Commercial Note

- **The SMS option included in the update contract, allowing the sending of SMS notifications, is now limited to 500 SMS per year. SMS consumed beyond this limit will be charged per unit (The price is in our official rates). No consumption tracking is accessible by the end customer. An update of the license must be made.**

New

PROD

- **Tracking and logging alarms and active programs on CNCs.**
  Via the protocol FOCAS and LSV2 Heidenhain
  Visible in real time on machine tiles, web dashboards, productivity reports and the mobile app.
  Send SMS or Mail notifications on an alarm or a current program.
  History of the alarm history and current program.

- **Addition of a new web dashboard of current productivity (Display of CNCs as thumbnails)**

Enhancements

Global

- **Deployment and configuration of the software requires fewer user rights.**

DNC

- **PNG files can now be used in image attached documents, in addition to BMP and JPG files.**

Bugfixes

Global

- **Work folder migration under Access ends without error even though there are many traceability events.**

- **Under Oracle, cases of not updating the database directly have been fixed.**

- **Some menus were not accessible at the minimum resolution of 1280px.**

DNC

- **Sending programs from a Siemens 840D CNC to the root of an FTP connection is no longer an issue.**

- **Fixed errors on the use of custom attachments.**

- **Unloading folder containing subfolders in LSV2 / RS232 Client.**

- **It is now possible to go back in the tree on an LSV2 / RS232 connection.**

PROD

- **Corrections of problems updating the current state since a manual change in the status history.**

- **The disconnection of a heidenhain machine followed by LSV2 is now effective.**

9.2

New features

Global

- **New filters on sending notifications.**
  Sending on configurable time slots.
  Sending on days of the week configurable.
  New state duration filter on state change notification.

DNC

- **Customizable syntax colorization in the program editor.**
  Ability to create several colorization profiles.
  Use regular expressions to handle all cases of string detections.
  Selection of the colorization profile by CNC.

Improvements

DNC

- **"MKD" command implemented in our FTP server. For folder creation compatibility from some CNC.**
- **Sort on date in the events of the transfer history window.**

PROD

- **In the production history list mode the size of the duration column is adjusted.**

Bugfixes

Global

- **The dependency of the communication engines on the CMServer license service is deployed.**

DNC

- **Multiple certification programs are accessible again if the machines tree is not activated.**
- **Multiple sending of programs with concatenation is functional.**
- **The size of the document versions is now correctly updated.**
- **Renaming the attachments was no longer possible.**

PROD

- **The restart action of the production history engine works.**
- **On the FOCAS MDC protocol the current program variable (PGM_NAME) was not updated when CProd was started.**

9.1.3

New features

PROD

- It is now possible to order a custom made dashboard layout.

Bugfixes

- Fixed an error printing when closing CProd.

- Improved performance on loading a large number of Job orders.

- Fixed a "Value missing" message that could be printed in CProd's logs during startup.

- It is possible to select MSSQL SGBD type during german installation.

9.1.2.1

Bugfixes

Global

- Fixed an issue with the deployment of the new web dashboard.
- Fixed a Microsoft SQLServer database migration malfunction.

DNC

- Fixed a slow program listing through the FTP and CNetDNC protocol.

9.1.2

New features

DNC

- Compatibility with the new Siemens 840D SL in FTP protocol.

- New option to automatically remove programs sended from CNet DNC.

PROD

- New web dashboard for big screen.
  Install automatically with the software.
  Customizable graphically.
  Using our production API.

Improvements

Global

- The password for accessing the database is now hidden in the configuration wizard.

DNC

- The multi-channel editor supports synchronization with codes that repeat several times.

- Programs that are restricted to a machine are no longer displayed during an FTP listing.

- The compression tool in the program editor now ignores the contents of comments and deletes empty lines.

- During a massive manual import of programs, the user now has the opportunity to make a global choice for the

processing of already existing files in the database.

PROD

- **Replacing the year period in the production monitoring.**

- **First forced reading of OPC UA tags before subscription to value changes (For the Moxa MX AOPC UA server which does not provide the first values).**

- **Default reports are directly usable and pre-configured in the production options.**

- **Productivity reports are now available in English and loaded automatically according to the installation language.**

Bugfixes

Global

- **Fixed rights problems when changing language from the software.**

DNC

- **Fixed a malfunction when receive file with the same name as a folder (on NFS, FTP and Remote protocols).**

- **Fix some malfunctions on the change of machines from the folder tree, when there are machines with Remote protocol.**

9.1.1

Migration note

- **The field capture application option for simple recording is now disabled by default on all installations. If you use this option you will have to reactivate it after the migration.**

New features

`Global`

- **The report editor is translated according to the language of Cwork.**

- **Base reports are available in English.**

`DNC`

- **Compatibility with MAZAK Smooth-C machines in FTP.**

- **The attached tool gauges can now be edited and printed.**

- **New option to set whether receiving filters fire on an automatic program import.**

`PROD`

- **Support for the Heidenhain LSV2 protocol for production monitoring.**
  The manufacturer has limited to 16 the number of machines connected simultaneously.

Improvements

`Global`

- **Translation of dialogue boxes.**

`DNC`

- **Default deactivation of the new field capture option on a single record.**

- **An incorrect format mazatrol program no longer prevents the opening of the version window.**

- **It is no longer possible to leave the primary index empty when editing the information of a document version.**

`PROD`

- **Change the default FOCAS tag polling time from 100ms to 500ms.**

Bugfixes

`Global`

- **Back to the current workshop when closing the full traceability window.**

`DNC`

- **The RTF export of a program is again functional.**

- **The machine properties window now remains open after the closing of the mazatrol capture wizard.**

`PROD`

- **Fixed a bug related to the use of multiple FOCAS tags.**

9.1.0.1

Bugfixes

PROD

- **Fixed an error on the production options window access.**

9.1 / Version 2018

New features

DNC

- **Ability to handle CNC with two memory zones via FOCAS.**
  Each memory zone folder will be associated a dedicated file extension.

PROD

- **Compatibility with OPC UA servers using special caracters '&' and '|' in their names or node names.**

Improvements

Global

- **Compatibility with windows scaling over 100%.**

PROD

- **Errors happening during the initialization of the production data collection engine are more detailed.**

- **Searching through a large number of documents from CNet DNC is now much faster.**

Bugfixes

DNC

- **Fixed an issue related to the re-opening of the revisions window after closing the editor.**

- **CNC restriction on a document is no longer limited to three machines.**

- **Fixed an error in CNet DNC when a document had a very large number in any of it's collumn.**

PROD

- **FOCAS data can now be used and combined in CNC-wide variables.**

9.0.2.9

Bugfixes

Global

- **Fixed an activation problem on shareware licenses.**

9.0.2.8

Improvements

Global

- **The installer tests the presence of the .NET Framework 4.5.2 minimum version to install. It is only necessary with the use of the OPC protocol.**

- **CEngine and Worker services now receive session account information in the same way as other communication engines.**

- **The manual entry of a working directory is fast again (the software waits 2s after a modification to start a refresh)**

- **The comment of a CNC to enter in the properties of machines, previously displayed as Hint on the thumbnail is now present in the CNC information window.**

- **Improved automatic reopening of a page when closing the current page.**

DNC

- **Fixed a performance issue on loading the document list when using the treeview.**

- **It is now possible to remove too many flags before the refresh of the movement box.**

- **Evolution in the list of Mazatrol file extensions with the exclusion of .EIA files and the addition of .PBE files.**

- **Removed the possibility to activate the opening of a folder with a simple click.**

- **Processing a program version window when it does not display any version. (Reservation of program name or complete filtering of statuses)**

PROD

- **Identifiers of connections to the OPC UA servers can be entered.**

- **Warning message on unsaved automatique state change expressions.**

- **Improved visibility of variable expressions and state changes with the possibility of expanding the expression editing frame.**

- **Limitation of machine states number in all the drop-down lists of the software.**

- **Fixed an error if no new state is selected when editing a state in production tracking.**

Bugfixes

Global

- **Some migration case did not work (Database Version 823)**

- **The presence of unnamed users no longer blocks the software authentication window.**

- **The "full screen" option on the various CNet is working again.**

- **The order of machine thumbnails is correctly saved by user.**

- **Sorting machine vignettes is working again.**

- **When creating a new machine, other machines do not change to 0 programs on CNC thumbnails.**

- **Offset correction of the workshop menu when creating a new workshop.**

DNC

- **In the movement box the single flag removal is working again.**

- **Remote protocols retain file extension on downloading programs if a name snap is in place.**

- **When saving a program, the title of the editor displaying the version being edited is now updated.**

- **When saving a program, version information in the right panel is no longer repeated.**

- **Fixed tha CAMWARE import algorithm.**

PROD

- **The menus of the general production options were staggered and truncated.**

- **The menu change in the CNC property page no longer causes the loss of newly edited state change expressions.**

- **Float type user macros values on Fanuc CNCs are now collected via FOCAS**

9.0.2.7

Bugfixes

DNC

- **FTP error when attempting to list a directory belonging to another CNC in the group.**

- **When uploading a FTP folder, an empty directory was created with the same name on C:\ .**

- **Saving configurations related to changing CNC status with the DNC is now functional again.**

9.0.2.6

Bugfixes

DNC

- **Fixed an issue on the display of the downloadable version of a document.**

9.0.2.5

Improvements

Global

- **The database migration process is no longer trigered at launch of the software. Only in the setup wizard.**

- **A notitification with no receeipient configured is no longer executed. A warining event is also raised.**

- **User group selection dropdown menu is now wider in the user preference.**

- **The even frame title has been translated**

DNC

- **It is now possible to compare revisions of archived documents.**

- **In CNet PROD, commenting the current state and the next state is now two seperate features.**

- **When migrating CNet DNC, the old executable is now permanently deleted.**

- **When selecting more than two revisions, the compare button is now hidden.**

- **Transfer protocols in the CNC information windows are now fully translated**

- **Deleted documents are no longer counted as part of the library size on the windows card.**

- **Manualy sending a program through SMB no longer leave the button toggled.**

- **Manualy sendint a program through SMB now raise an info event.**

PROD

- **The CNC selection dropdown menu in the MO/JOB search panel is now wider to fit longer CNC names.**

- **The matrix of monitoring data now fits all space available.**

- **When displaying boolean variable values, we now use "true" and "false" isntead of "-1" and "0"**

- **A hint now displays the full name of a variable in the simulation window.**

Bugfixes

Global

- **Fixed an issue preventing, in some cases, the user to see a CNC newly added.**

- **Fixed an issue with ungrouping CNCs.**

- **Fixed an issue with the persistance of the "authentication" option in the email notifications configuration panel.**

- **It is now possible to validate authentication with the press of the "Enter" key.**

DNC

- **Fixed an error when opening a document's revision when some revisions are inaccessible.**

- **Activating field detection for MAZACAM, CAMLINK and CAMWARE no longer adds an extention to the name of the document.**

- **Fixed an issue preventing the user to retract the information panel of the ISO editor when the subpanels were open.**

- **Fixed an error when renaming an attached document.**

PROD

- **Fixed an issue that could lead to state expression configuration to be lost when accessing CNC properties.**

- **Multiple issues have been fixed related to internal variable management.**
  When multiple OPC tags were used within the same variable expression. When multiple delayed variable were intricated and used together.
  When using a blinking variable set to "False" by default.

9.0.2.4

Bugfixes

Global

- **Extremely long traceability logs no longer blocks communication engines.**

PROD

- **Fixed a regression introduced in 9.0.2.2 preventing all OPC tags to be mounted.**

- **Commands using OPC tags that have "bad" signal quality are no longer evaluated.**

- **FOCAS MDC "connected" tag is now working.**

- **Fixed an issue on reading FOCAS registries.**

- **PDF reports email notifications now uses a PDF printer for extended compatibility.**

- **Reports email notification can now use image file format instead of PDF.**

9.0.2.3

Bugfixes

DNC

- **Fixed a revision opening issue**

9.0.2.2

Bugfixes

Global

- **Fixed a translation issue in the installer.**

PROD

- **CProd no longer parse state expressions of disabled CNCs.**

- **Fixed a memory leak in CProd service.**

9.0.2.1

Bugfixes

Global

- **Fixed an issue with workshop selection when using restricted cnc groups**

- **"Default page" opening parameters has been fixed**

DNC

- **Added a missing string ressource when manually importing programs**

- **Fixed an error message when starting CFTP service on rare occasions.**

- **Fixed an issue provoking an empty document to be created when opening another**

PROD

- **Fixed the migration of OPC commands to the new OPC expression format.**

9.0.2

New features

PROD

- **Machine data collection is now compatible with Fanuc's FOCAS protocol natively.**

Improvements

Global

- **Consulting the complete traceability is now much faster.**

- **In the "engine management" module, access to a server that does not respond stops after 10s, which avoids the window to block.**

DNC

- **You can now purge the tranfer folder of CNet DNC from a single button.**

- **The title of CNet applications is now fixed, for compatibility with Siemens Operate machines.**

- **The opening area of a folder in the tree is more precise.**

- **The transfer of programs from a remote protocol with grouped machines and the use of a folder tree is now possible.**

- **Loading programs without extension on the SMB Client protocol is now possible.**

- **When using the SMB protocol, the software now controls access rights and writes to the transfer folders.**

- **New option mazatrol capture on the function "Fill fields with capture".**

- **CFTP no longer try to activate disabled CNCs.**

- **New option to remove extensions when loading via FTP Client.**

- **When a program copy or a manual import is made if the file is already in the trash, the user is notified by a warning message.**

- **Deleting a program is now saved in traceability. Distinction between definintive deletion, sending to bin and recovery.**

- **In some rare cases, network drives were not displayed in the file selection functions during manual import.**

- **New NC program saving option to trigger fields re-capture at each save.**

- **It is no longer possible to hide the progress window of a multiple document deletion.**

PROD

- **The display of OPC DA, OPC UA and variable tag values is now more reliable.**

- **The "Automatic State forcing" function now applies only to the selected machine.**

- **More detailed logs on expression evaluation errors.**

Bugfixes

Global

- **The main event fraim is no longer missing events.**

- **Fixed an error when switching a machine picture from PNG to JPG.**

- **Fixed an error on the start of the software when moving the machine between workshops.**

DNC

- **The folder refresh no longer randomly close folders.**

- **The folder tree don't show errors anymore.**

- **The alphabetical sorting of the folder tree is now correct.**

- **The "Connect" button in remote protocol no longer disappears when programs of a subfolder are listed.**

- **The "Quick Access" printout in the ISO editor is functional again.**

- **The preview of attachments via the thumbnail windows is now possible.**

- **Ability to transfer files through SMB when containing an underscore in their name.**

- **Fixes several malfunctions of the program preview on certain particular programs formats.**

- **On a new machine thumbnail it is now displayed "0 programs", as it should be.**

- **Workshop selection is now stable in the case of using users CNC groups.**

- **Fixed a systematic addition of the parameter "BaliseIndiceEnabled = 1" in a configuration file.**

- **The "Special RX communication Stop" parameter was no longer registered.**

PROD

- Automatic state change commands are no longer lost when filtering the states list.

- When deleting OF or OP orphaned elements remained in database.

9.0.1.1

Bugfixes

Global

- **Fixed a performance issue at statup related to events loading.**

DNC

- **External editor configuration now accepts shortcuts again.**

- **Multiple deletion of versions now requires an authorisation again.**

- **Version comparison now requires an authorisation again.**

9.0.1

New features

DNC

- **New SMB Client protocol. Actionnable from the computer.**

- **Displaying meta-data on Mazatrol files (RS232).**
  Names, titles, types and sizes of files included in Mazatrol files.

PROD

- **Ability to connect to OPC-UA server.**

- **New expression builder to combine raw data.**
  *Many new operators available (+ , - , / , * , AND , OR , XOR...).*

- **Internal variable builder that can be used in expressions.**
  Hold delays and blink delays can be configured through theses variable.

Improvements

DNC

- **Ability to obtain description from CAMLINK project files. (.gb*)**

- **The FOCAS protocol now allow to send program to the CNC's data-server.**

Bugfixes

Global

- **Fixed an issue with CNC image aspect ration in JPG format.**

DNC

- **Fixed an issue when listing more than 100 programs via FOCAS.**

- **Fixed an issue that could cause document loss when copying documents with option 'delete source document' checked.**

9.0.0.1

Improvements

PROD

- **The current status is now more visible on CNC cards**

Bugfixes

DNC

- **NC program partial sending has been fixed**
- **NC program preview in version history no longer leads to long opening time**
- **In the NC program preview frame, the cursor is now set to the begining by default**
- **An archived program is now read only again.**

9.0 / Version 2017

Update note

- **It is recommended to use the software on screens with resolutions of 1920x1080px or above**
- **The minimal supported resolution is now 1280x720px**

New features

- **A mobile application showing machine productivity is now available**
  On the AppStore for iOS smartphones and tablets (Apple).
  On the Play Store for Android smartphones and tablets.

Global

- **New user interface**

- **New CNC card layout**

DNC

- **New document's version window**
  Including a preview of the first 100 lines.

PROD

- **Entirely new CNC status history windows**
  Response time are drastically lower.
  New "list" view mode.
  New module for replacing CNC current state.
  New periods navigation UX.
  Displaying operation periods on the timeline.

- **New operation's period window**

Improvements

Global

- **New API endpoint to obtain CNC image (PNG or JPG)**

- **Launch CWork as administrator after installation**

- **The new CNC cards now features more visibile information**

Availability rate or OEE
Program count for the machine

- **Possibility to use PNG files for machine pictures (with transparency)**

- **Events in traceability are now sorted by date, from the most recent to the oldest.**

- **The company name and partner code are loaded automatically on an existing installation.**

DNC

- **Mazatrol files are now identified by a specific icon.**

- **Refresh folder tree when deleting, adding, renaming a folder.**

PROD

- **It is now possible to cancel all changes in the status history before saving.**

- **Improved the comment merge process when editing the status history of a machine.**

- **Overhaul of all productivity reports.**

Bugfixes

Global

- **Authentication did not work if the full profile name was different from the profile login.**

DNC

- **When manually importing a CWork4 file there is no longer an empty attachment present on the document.**

- **Correction of attachment retrieval errors when manually importing a CWork4 file.**

PROD

- **There are no more error messages when changing the machine by the workshop to arrive in the report history window.**

- **The use of OPC tags from different OPC servers in a single state change command is now possible.**

8.25.3.4

Bugfixes

- Fixed a performance issue when listing a very large number of file through FTP protocol.
- Fixed a performance issue when instering tracability logs on very high volumetry installations.

8.25.3.3

Bugfixes

- Fixed an error message when real time is enabled on states history of a machine.

8.25.3.2

Improvements

- Removed a COMMOPRO32 migration test that took a few seconds at startup.

8.25.3.1

Bugfixes

- Fixed a performance issue when starting the application.

- Fixed an issue making document aliasing not downloadable from FTP and CNet

- Fixed an issue making it impossible to unload a NC program through SMB when notifications are configured

- Fixed an issue when using special characters on Rx/Tx filters

- Fixed an windowing priority issue when using an external editor.

- Fixed an issue that would create 0 seconds lenght CNC status when multiple OPC commands would be valid simultaneously

- Fixed non-working real time refreshing mode in the timeline.

8.25.3

New features

- **Automation of the productivity reports generation.**
  It is now possible from the notification management center, to automatically send daily weekly or monthly reports to your collaborators.

- **Compatibility with Siemens FTP protocol for transfering of NC programs**

Improvements

- Manual sending NC Programs through SMB no longer offer to concatenate content. It was judged unnecessary and confusing.

- Teamviewer 11 integration

Bugfixes

- Fixed an issue when configuration wizard failed to stop all services to update them

- **CWork4 migration wizard is operational again.**

- **Correction of using the character CR in filters.**

- **Fixed an issue of "Emergency" field display in database explorer**

8.25.2

New features

- **Performance indicators (TRS, TRE, TRG ...) are calculated and displayed directly in the software.**

- **Release of the DNC API to: See documentation**

  List the documents.
  List the versions of a document.
  Create a new document
  Retrieve a program stored in the software.
  Send to program the software.

- **New PROD API resource for retrieving performance indicators over time from a machine. See the documentation**

- **The list of machine states categorizations was extended, always compliant with the NFE60-182 standard.**

Improvements

- **The start-up of the smmPortmap, NFS connection port negotiation service, is now linked to the start-up of the smmNfs service.**

- **To improve the transfer speed on the Charmille DNC3 protocol, it is now possible to disable the program listing on connection, and trigger it manually afterwards.**

Bugfixes

- **Machines that have been disabled via the checkbox in the machine properties no longer use license.**

- **Correction of several selection period malfunctions in the monitoring of machine productivity.**

8.25.1.3

Bugfixes

- Fixed a regression occurring when migrating CNC configuration to the database since the previous patch.

8.25.1.2

Bugfixes

- Fixed an bug when migrating to version 8.25.1 if no document is yet stored in a machine's library

- Added the ability to choose the mode (dnc or mdc) on default user when migrating from a CWork 4 directory.

- Fixed an issue with default NC program statuses language when migrating from a CWork 4 directory

- On OEM versions, the SMS notification licence key is now properly read

-

8.25.1.1

Bugfixes

- Fixed an issue with machine license releasing at shutdown when DNC server is remote from license server.

8.25.1

News

- Integration of machine configurations into the database.

- Compatibility with FOCAS protocol for transfer of NC programs (PC Initiative).

- Possibility of sending SMS notifications.

- New "Phone Number" setting for users.

Improvements

- The error of not connecting to the license server from a client work station is clearer (Error 935).

- Deletion of the scheduled automatic states feature.

- When updating existing services, from the configuration wizard, paths towards executable files are also updated.

Bugfixes

- Activation and manual update (without internet access) of a license are now functional.

- Deleting a recording bug of the size and the name of the "CNC" column in the movement box.

- When loading a machine pre-configuration, the old settings which disrupted NC program transfers are no longer active.

8.25.0.3

Bugfixes

- When a Cnet3 file from CWork4 is imported it's now the latest version that is taking into account.

8.25.0.2

Bugfixes

- Fixed an issue with licence counting for remote protocols

- Restart command on CProd and CNfs services now work as excpected

- Fixed an error occurring when stopping CSmb service

- Fixed an issue occurring while migrating users from old versions working directories.

8.25.0.1

Bugfixes

- Fixed an issue related to the license server deployment with restricted authorizations.

8.25

News

- New floating software licence.

- Configurable email notifications for many events (New version of a NC program, machine status, drop in performance, start/end JOB ...).

- Addition of API Authentication.

- API encryption possible via HTTPS.

- Compatibility with Charmilles machines using the DNC3 protocol (PC Initiative).

- CNetDNC compatibility with Mazak Smooth (virtual keyboard).

Improvements

- During a software update, custom dependency properties on communication engines are maintained intact.

- Information provided by API is compatible with the use of line breaks and special characters.

- Compatibility of certain schedule editing functions with the Anglo-Saxon hour format (AM/PM).

Bugfixes

- Fixing of a NC program saving bug triggered when renaming the document.

- The opening of large NC programs in the editor no longer triggers "Insufficient memory" errors.

- Correction of a display issue of child status in the accumulation table.

- A job editing issue in the "CNC" and "NC program" fields has been fixed.

8.24.1.3

Bugfixes

- **Bug fix on Brother TCP protocol**
- **Fixed an issue where the installer would display the wrong product version at install**

8.24.1.2

Bugfixes

- **Fixed a bug when updating merged ressource files within CNet DNC & PROD update process**

8.24.1.1

Bugfixes

- **Fixed a bug in transmitting imaging through the API (blurry images)**

8.24.1

News

- **New product "Cwork Board" which is a web dashboard to view the current information of production machines.**
  The dashboard can be displayed on a giant screen, TV, PC, tablet, smartphone ...
  It is based on information provided by CWork's API.

- **New supported protocol: TCP Brother (at the initiative of PC)**

- **FTP client protocols LSV2 RS232, LSV2 Ethernet and Brother TCP are now integrated into Cwork and not in the form of a DLL. (+ Compatibility loading / unloading with drag/drop)**

- **New user rights.**
  For the issue of production orders and operations.
  For the issue of periods of operations.
  For the removal of the flags in the box movements.
  For creating, deleting, renaming files. For editing program properties. For archive/protection functions.

- **New configurable expiration system with downloadable versions of programs.**
  To make a downloadable version only for a preset time lapse.

- **New state change scenario for managing replacement and adding status from the chronograph. (+ addition of a button check/uncheck all)**

- **Different Cwork language files are now merged into one.**

- **Language files are now in UNICODE format, languages with a non-Latin alphabet are supported. (Cyrillic, Arabic, Japanese ...)**

- **New features of CNetPROD.**
  Ability to edit the comment of the current state.
  Automatic return to "Choosing CNC" on a configurable timeout.

Improvements

- **Increased tolerance to network outages for USB license types (fixed and floating)**

- **Stabilization of the API engine and the ability to parameterise its start or not in the configuration wizard as well as other communication engines.**

- **The user rights window is completely redesigned.**

- **Use of the Windows user API to bind a user to our communication engines during the setup wizard.**

- **Updated SDK for Heidenhain RemoTools for LSV2. (3.2 => 3.6)**

- **Some dates stored as strings in the database are passed to the true date format.**
  Automatic conversion is triggered by the configuration wizard. This conversion supports many date formats, however if conversion errors happen, contact your dealer who will have the tools to address these problems.

- **Blocking the addition and removal of a machine if the current user is linked to a CNC block.**

- **Changes in opening external editors.**
  Compatible with a shortcut (allowing an installation folder for different external editors between the PCs)
  If the external editor is not available on a PC the default editor will open. (default Windows editor or Cwork editor)

- **When closing a programs comparison the software will return to the page "Movement" if the user comes from that page.**

- **Addition of events for loading and deleting programs from a machine in LSV2 or FTP Client in the events log.**

- **The information window closes automatically at the end of a transfer.**

- **Import programs actions are traced.**

- **In an import process program, the extension is now in uppercase for consistency.**

- **It is now possible to specify a conversion program for an automatic import (Mazacam, Camlink, Camware ...)**

- **The tree display option is now customisable by the user.**

- **CNetDNC is compatible with very low screen resolutions. (640x480)**

- **Monitoring of production of a machine group with lists of disparate states is now feasible.**

Bugfixes

- **In the report editor, query results are back.**

- **Errors "off limits Index" no longer trigger the opening of the preferences and communication options.**

- **The migration of the database does not trigger for some older versions of the software.**

- **No more errors after adding or removing machines in the workshops.**

- **Fixed inability to delete a scenario.**

- **Temporary files remain present during an FTP transfer, they are now properly removed.**

- **Action "Save As" in the editor no longer generates program duplicates.**

- **Fixed error when deleting an alias program bearing the same reference as the source program.**

- **The error in the program edittion from the box movement is no longer triggered.**

- **A copy of a document bearing the same name in a sub-folder no longer causes fusion of the two documents.**

- **The configuration of the spurious files is operational again.**

- **If a plugin is bound to the downloading end event, it no longer triggers automatic import of a document.**

- **Right click on a clip (which shows the presence of attachments) is functional again, its look has also changed for better ergonomics.**

- **Fixed error on the API method Get/station_statuses that is triggered when a machine had no current state.**

- **The days of the chronograph are now translated.**

8.24.0.3

Bugfixes

- **Fixed : Accessing the trash bin randomly enable forced deletion of documents.**

8.24.0.2

Bugfixes

- **Fixed an installation issue on some OS. Regarding user permission requirements.**
- **Fixed a bug preventing users with low permissions to display the software in their language (was english instead - default).**

8.24.0.1

Improvements

- **Communication services dependances to other services are no longer erased when re-installing.**

Bugfixes

- **Fixed a regression in the floating licence system that made start up failed on some cases.**
- **Fixed an issue with saving programs when using an external editor without conversion.**

8.24 / Version 2016

News

- **Access to real time production data through a REST API.**
  [See the full documentation](#)

- **Cwork's installer has been re-designed.**
  Can now handle updating and repairing isntallation.
  Ability to start Cwork at the end of the installlation process.

- **Cwork's installer is now distributed as a MSI package. (Microsoft Installer)**
  Add the ability to orchestrate updates deployments.
  Compatible with Microsoft's "msiexec" tool and with group policies (GPO) deployment.

- **Automaticcaly update CNet desks (CNet DNC & PROD)**
  Detect and show the availability of updates on CNet's sceen.
  Download and automatically install of updates.

- **New filter on state duration in the "monitoring" menu.**

- **Ability to reserve a document reference when creating a new document.**

- **Compatibilty with Camlink's CMT-TEXT format for importing and exporting mazatrol programs.**

Improvements

- **Better error handling in communication services.**
  Errors are displayed in a dedicated log in the "Maintenance" menu.
  This gives more stability when database connection or network connection is lost.

- **Filters applying when sending a program have been optimised.**
  Improve the sending of very large files without freezing the communication engine.

- **Alias creation and copying operations now are logged in the tracability.**

- **Element tracability show events associated with an alias.**

- **The usage of an external editor has been made easier.**

- **Messages comming from Heidenhain LSV2's OCX are now multi-lingual.**

- **Many improvements and corrections have been applied to the Order/Jobs module to make it more user-friendly.**

- **Orders and Jobs are now sorted alphabetically in CNet PROD.**

- **Validation on part count input (eg : can't be negative...)**

- **Improvement to page navigation experience (re-opening the right page when you close one)**

- **It is now impossible to save CNC properties if you have unselected both modes (DNC & PROD)**

- **The help menu is now accesible to any user regardless of his authorisation level.**

Bugfixes

- **Fixed a bug with users and groups migration from file to database.**

- **Many drop-down menu have been set to read only to avoid undesired inputs.**

- **A user can no longer log in if his mode (DNC or PROD) is not handled by the licence (only with fixed licences)**

- **CFTP no longer raises random errors when failing to a network capture.**

- **Fixed errors on treeview refresh in the Heidenhain LSV2 / RS232 DLL.**

- **Interface DLL messages are correctly shown again.**

- **Fixed a bug in the configuration of an external editor if associated with multuiple extensions.**

- **The "Legend" button is working again when selecting a document associated with a job.**

- **Fixed a regression with continuous DNC over RS232.**

8.23.3.1

Bugfixes

- **CProd no longer raises OPC server connection errors at startup when using MS SQL Server or Oracle Databases.**

8.23.3

News

- **All communication engines are now native Windows services.**
  Automatic deployement and installation of the services.
  The configuration wizard allows you to choose the service start-up preferences and to associate a user account.

- **New tool to remotely manage communication services.**
  Global sight of activated CNCs and OPC tags statuses.
  Quick view of communication services status on all servers
  Remote action triggering on communication services (start/stop/restart)

- **Ability to control communication services of all servers from any station.**

- **LSV2 protocol for HEIDENHAIN is now also supported on RS232 medium (serial communication).**
  Implemented as an Interface DLL (actions made from the computer)

Improvements

- **uniformisation of startup and stop event logs of all communication services.**

- **The installer now check for running communication services before proceding to installation.**
  A dialog will allow the user to shut them down from the installer.

- **Ability to delay the startup of each communication service**
  A different delay can be configured for each service.

Bugfixes

- **The migration of our server applications to native windows services fixes the following issues :**
  Floating tokens weren't correctly liberated on service shutdown.
  Scheduled status changes weren't working while in service mode.

- **In the configuration wizard it is now possible to click previous when on the final page.**

8.23.2.1 (patch)

Bugfixes

- **Fixed a regression in the communication between CFTP - CNet**

8.23.2

News

- **Many new elements are localized.**
  CNC status, column headers, default user and groups etc.

- **New scenario list.**
  Scenarios can now be selected in English. Corrections in status names.

- **Ability to list users associated to a group..**
  Ability to replicate a group on another. Allow you to quickly create groups with alike authorisation.

- **Field capture scope in ISO codes can now be extended to 40k car.**
  4000 cars if option disabled, 40 000 if enabled.

- **The TDM SYSTEMS plugin can now be triggered from the CNC.**

- **TDM Systems and NCSIMUL TOOL plugins are now compatible with documents aliases.**

Improvements

- **Column headers in database explorer and transfer history aren't mixed up anymore.**

- **It is no longer possible to delete all versions of a document.**
  One version must remain.

- **Communication engine COMPC no longer tries to user FTP and CNet CNCs.**

- **Syntaxical coloring of the ISO editor has been enhanced.**
  Lines with a '/' are no longer colored in red. "G90" and "G91" functions are now colored.

- **Events added to the event log are now correct when using "force auto status collection" feature.**

Bugfixes

- **Many correction in the management of users and user groups.**

- **Interface DLLs (LSV2 & FTPClient) do not generate zombie prorcesses when shutting down the software.**

- **Deleting editor quick access configuration is working again.**

- **Migration wizard has been fixed.**

- **Partner code is now saved when it's been input from the setup wizard on an existing installation.**

8.23.1.2 (patch)

Bugfixes

- User list wasn't alphabetically sorted in the login form anymore. Fixed.

8.23.1.1 (patch)

Bugfixes

- Fixed a bug with the collection of states through a single OPC tag.

- Fixed a bug when saving properties of the current user.

- Regressions on FTPClient and LSV2 Dlls have been corrected.

8.23.1

News

- **Users and groups configurations are now stored in the database.**
  Existing users and groups shall be automatically migrated.

- **The CNC status list configurations are now strored in the database.**
  Existing lists shall be automatically migrated.

- **Configuration of elements in NC program printing header.**
  These parameters are user-related. The setup is accesible from the before-print preview.

- **Affecting categories to CNC status according to AFNOR E60-182 guidelines.**
  Allow you to affect a category to CNC statuses (scheduled downtime, unscheduled downtime, Operating time etc.)

- **Adaptation of default activity reports.**
  According to the new DB-stored status list. According to the normalized status categorization.

Improvements

- **Startup speed has been improved.**
  Thanks to more DB-stored configurations.

- **Data security has been improved.**
  Users, groups and statuses are no longer accessibles as configuration files.

- **Missing translation of dates.**

- **Incomplete NC program sending.**
  Allow you to send just a part of the program. Add header or footer. Send multiple copies.

Bufixes

- **No more 'Too much open tables' when applying fields on a large (>300) selection of documents.**

- **Tabulation orders has been rebuild on the ISO tools panel from the editor.**

- **Default page can be set up when creating a new user.**

- **Not mixing up CNC status configurations anymore.**
  When editing the CNC statuses list.

- **It is now possible to change the parent of a status.**

8.23.0.4 (patch)

Bufixes

- **Fixed a issue with CNC status collection using multiple OPC Tags.**

Improvements

- **Set a default delay on CNC status change (1s).**

8.23.0.3 (patch)

Bufixes

- **Fixed an error where the CNC's current status would change when altering it's timeline.**
  This was a regression recently introduced with previous patch.

8.23.0.2 (patch)

Improvements

- **Change the saving process of CNC status history**
  Less error cases on saving large loads of data. Saving is now much faster (up to 10 times faster). If an error appends during the saving, the rest of the data is still saved. Saving errors are now logged in the events panel and in the software's tracability system.

Bufixes

- **Allow accents in the names of associated documents.**

8.23.0.1 (patch)

Bufixes

- **Start-of-the-day CNC statuses weren't displayed correctly.**

- **CNC selection change triggers the refresh.**

- **Mazatrol files (.MAZ) descriptions are correctly detected when sent from CNet DCN.**

8.23 / Version 2015

News

- **TDM Systems connector. (Tool management software).**
  Bi-directional link to TDM Systems's software (http://www.tdmsystems.com/)

- **E-mail notifications on CNC status change.**
  Can connect to e-mail servers with authentication and encryption. Customizable e-mail templates (HTML). Sent e-mails automatically adapt to client screen format (PC, Tablets, Smartphone...). Sent emails are localized in the user's language.

- **CNC status changes can now trigger batch scripts.**
  Using "aditional applications" (CNC properties-> misc)

Improvements

- **CProd: Performance gain on CNC status collection**
  Parallel processing of OPC-based and supervision-based CNC status changes. Parallel triggering of actions on status changes. Parallel writing of information from CProd to supervisors (temp files). CNC status are inserted faster in database. Ability to handle a very intense trafic/activity regarding CNC status changes. NB: To process large loads of changes, we recommend RDBMS servers (MSSQL, Oracle…)

- **Imrovements in CProd's reliability**
  Error exception on various critical processes of CProd. More reliability on e-mail notifications. More reliabilty on manual CNC status chenging from a supervisor desk. More reliabilty on forcing back OPC-based CNC status. Handling of an error at startup when no CNC has been created. Reduction of the memory usage.

- **Improvements on CNC monitoring loging system**
  New error log when an unlicensed CNC change it's status. New log at CProd's startup printing the time since it has been inactive. New log when a thread is inactive for more then 2mn. The thread's activity status is now displayed in CProd's main window. New error logs on critical process failures. New journal of logs in the "Maintenance" menu.

- **Better consistency of CNC status history**
  Updating the end date of the previous CNC status is no longer limited to 7 days back.

- **Impovement on refreshing the CNC status timeline**
  By temporarily unactivating unnecessary actions to avoid errors.

- **No more terminal end date when configuring scheduled status changes.**
  To get more consistency in the CNC status history.

- **CNC selection no longer applies to other tabs.**
  The CNC selected in the "change state" menu is now independant from the one selected in the "history menu".

- **Now possible to order DNC documents by their creation and modification dates.**
  By clicking on the desired collumn (works on MS ACCESS and MS SQL SERVER).

- **Performance improvements on listing and searching documents from CNet DNC.**
  In the "Download" menu of CNet DNC.

- **Now including TeamViewer v10 for remote support.**

Bufixes

- **CNC History timeline no longer load twice.**
  Therefore, history loading time is improved by 50%

- **CNet PROD no longer display unlicensed CNCs.**

- **Deleted a custom developement which was altering content in binary files sent over FTP.**
  "$$" characters on a line start were automatically deleted.

8.22.2.3 (Patch)

Improvements

- **Introduction of a customizable delay for the file capture in the download folder (CNC->PC) with SMB**
  By controling the last modification date of the files

Bufixes

- **The field snapping checkbox in the network capture panel is visible again.**

- **Performance regression on opening large text files has been fixed.**

8.22.2.2 (Patch)

Bufixes

- **The "Monitoring" and "Change states" weren't available for users only in PROD mode.**

- **Correction of an issue with manual NC program sending when the CNC filtering option is used with multiple CSMB engines on the installation.**

8.22.2.1 (Patch)

News

- **Local configurations can now be saved using PC hostame as IDC**
  Available in "preferences".

- **Compatibility mode for low width resolutions (1024px and 1152px)**
  As an option in "Preferences" > "Display options"

Improvements

- **When shutting down the software, now ask the user for saving current modifications**
  Can save and close, not save and close or cancel closing.

- **After comparing two files the displayed page is now the program list.**

Bufixes

- **"Cancel" button when closing a modified document in a multi-windows editor scenario now works again.**

- **The state list in the filters panel of the history view frame is fixed and now correctly display all the state's checkboxes from the client's custom state list.**

8.22.2

News

- **Compatible with .ZIP archive files**

  Import and download work folders and compress them on the fly. Uncompress them on the fly when sending them. Built-in archive editor to edit the content files. CSMB is comptible with the archive mode (compression and uncompression on the fly). Detailed tracking about an archive's content modification.

- **CNet PROD can now optionally hide end-of-the-day states.**

Improvements

- **Enhancement of the document's properties modification process**

  Better duplicates detection management. Now refresh the document list after a property modification. Better user experience for editing document's properties in multi-selection. Can now protect/unprodtect, achive/unarchive documents in multi-selection.

- **Manual program upload is now tracked like any upload**

- **More stability for CSMB**

  Better exception handling and more logs.

- **Database explorer now display the selected CNC name**

- **Faster startup for the monitoring module**

Bufixes

- **No more "cannot open any more table" error when using the content search engine**

- **NC program's names aren't cut anymore**

- **MazaCAM export is working again**

  Fixing a regression from 8.22

- **The colors in the comparator's legend are displayed**

  Fixing a regression from 8.22

- **Changing state manually now uses the user's group's scenario. (used to use the CNC's scenario)**

- **Fixed a bug where you weren't able to manually change a state if the software wasn't in french**

8.22.1.1 (Patch)

Improvements

- **More stability for CProd**
  Fixed connection issues to OPC servers and tags at CProd's startup Fixed error messages when shutting down CProd while state changes still occuring Error exception on the changing OPC tag notification. Exception d'erreurs sur le traitement d'un changement d'état machine. Error exception on processing a state change

Bufixes

- **The TestTouche CNET DNC module is deployed**

- **CNet PROD can declare comments on states**

- **Editing the state history of a CNC is now prohibited if showing a custom period of time**
  Waiting for a further fix of an issue leading to data loss on editing the history

- **Fixed and issue with shortcuts and user permissions in the history editing panel**

8.22.1

News

- **Activity history view on CNetProd as a timeline**

  State history for a week Display as a timeline or as a table. Display the states of each day with comments User expirience optimized for CNC screens, touch panels or computer displays

- **New user permissions**

  Split of the following permissions : certification and change version info More fine grained permission on state history modification (add / delete / replace / resize) Split of export and import permissions

- **New tracability logs**

  On deteting, exporting, protecting, unprotecting documents On adding, deleting CNCs On CNC parameters changes

Improvements

- **Improved stability of CProd**

  Connectiion sequence now perform several tries at startup and logs connection error. Continuous refreshing of available OPC Tags Now ignore (and log) outdated state change orders (overs 10 seconds) More logs on manual state change order (scenario-related rejection, reading and processing a new order)

- **Improved and fixes the scenario management (DNC and PROD)**

  Bug fix : state scenario now refresh itself properly Now display the current scenario in production options form. Now prompt for confirming change of scenario when leaving. When changing the scenario, now display the current scenario

- **Now display the total count of good and scrap parts for every sub-periods in the matrix view in the history panel.**

- **The fabrication order's name is now displayed in the title of the "Edit OP" form.**

Bufixes

- **NFS controller is fixed (following a regression in previous versions)**

- **Fix on deleting multiple documents holding multiple aliases**

- **(UX) Fix issues on the bad rendering of the event panel**

- **Fix on the date selection in the calendar filling wizard**

- **Bugfix on the daily indicators**

- **Fix an error when selecting a day on his label in the history view**

- **Bugfixes on custom actions executed by communication engines**

8.22

Notes :

- Not a lot of new features in this release as it is more about core changes that will give us the opportunity to deliver much more features in the upcoming months.

- The FE protocol (Heidenhain RS232) hasn't been re-tested for regressions in this version yet. Please let us know if you need to install or upgrade a client using this protocol.

News

- **Printing preview now available.**
  You can change printing parameters like font, size etc : WYSIWYG.

- **New look for the CNet product line.**

- **CSmb is now in STABLE version.**
  Deployements in startup menu etc..

Improvements

- **RTF export now provide font colors, highlight colors and a standardized header.**

- **The special caracters preview form now provide an optimized form factor for mazatrol content.**

- **CSMB now filter empty files comming from the CNC.**
  Allow compatibilty with third party software

- **The selection of month and weeks has been improved in the history panel.**

- **The display of the productivity matrix has been improved in the history panel.**

- **Filters in CNC properties can now be manipulated in multi-selection.**

- **The version of the software now appears in the taskbar item in windows.**

- **Selecting a negative count of CNC to add is now forgiven.**

- **Improved CFTP start/stop logs and error handling.**

Bufixes

- **ComPC doesn't save empty files anymore when connecting a new CNC.**

- **The error "cworkoftable doesn't exists" doesn't occur anymore.**

- **In CNet Prod, the softkey "start OP" "stop OP" "pause OP" are now working fine.**

- **No need to restart CNet when changing the number of softkeys to display.**

- **(UX) No more alisaing on the bottom of edit fields in a document's property form.**

- **(UX) The collapsable panels of the ISO editor now behave properly.**

- **(UX) fixed the constant "flash" of the main toolbar.**

- **Updated some of the icônes.**
  To be more consistent with the rest of the solution.

- **Visual update of all toolbars.**

8.21 / Version 2014

News

- **Changed the software licensing mechanism**
  Getting new information on license activation (company name, email address..) Ability to move licenses without any reseller action. Ability to activate and upate your licenses on line.

- **Improved startup performance by 10% to 30%**
  The prameters read/write procedure has been improved. A consistent improvement is made while loading the parameters in the software.

- **Parameterized launching of the software**
  Execution parameters can be passed to the executable to trigger specific and automatic action at the startup. Auto-login by passing the login and password. Passing the CNC handle to open the machine directory. Passing a document's reference to filter the directory list with this reference.

- **Recursivity on automatic document importation**
  Set it up in [TOOLS->COMMUNICATION OPTIONS->MISCELLANEOUS].

- **Keeping of file extensions on manual importation.**
  As an option in the manual importation form.

- **New user right on deleting documents from the movement box**

- **Possible print from the multi-channel editing plugin (Through a RTF export)**

Évolutions

- **Disabling cyclical processes for performences optimization**
  Improve the general stability too.

- **Disabling the "SQL" cursor while requesting the database**

- **Changing current state of the CNC on editing his last state manually in the calendar**

- **Recursive multiple certification on selecting a directory**

Bufixes

- **Fixed an error message at logging a production user when some CNCs aren't in production**

- **Fixed an error message while migrating datas from CWork4.**

8.20.2

News

- **Nouveau module d'accès aux bases de données**

  Compatibilité avec Microsoft SQL Server Réduction notable des temps d'accès aux données Simplification de déploiement et de connexion aux bases de données

- **Nouvel assistant de configuration**

  Outil de test de connexion intégré Personnalisation totale d'une connexion à la base de données Sécurisation du paramétrage de connexion

- **Intégration d'un module de reporting de données**

  Confection de rapports personnalisables Visualisation de rapports depuis n'importe quel poste de supervision Compatibilité multi-base de données Une bibliothèque de rapports par défaut est disponible Intégration totale dans le logiciel

- **Création d'un livre blanc décrivant la structure de la base de données du logiciel**

  Intègre aussi de l'aide de paramétrage et des préconisations d'utilisation

- **Intégration de TeamViewer pour le support à distance**

  Accessible depuis le casque en haut à droite

- **Compatibilité avec les machines Heidenhain HEROS 5 en NFS**

- **La traçabilité d'un document est disponible depuis la fenêtre de versions**

- **Multi-sélection de documents de borne à borne**

  Rester appuyé sur la touche SHIFT de votre clavier

- **Export RTF (Compatible WORD) depuis l'éditeur de programmes**

- **Importation des fichiers mazatrol provenant du logiciel Isotop**

- **Multi-sélection de programmes sur le déchargement (Cnet DNC)**

Évolutions

- **Modifications liées à l'utilisation de licences flottantes**

  Readkey.exe permet désormais de lister le nombre de licences flottantes pour chaque mode de fonctionnement (Accessible depuis le menu détail et Uniquement disponible si la clé de protection est compatible) Le démarrage de Readkey.exe n'utilise plus une licence flottante et devient complètement autonome Maintenant la déconnexion automatique d'un profil (manuelle ou automatique au bout d'un délai d'inactivité) libère la licence flottante utilisée

- **Activation automatique de capture de champs dans l'import manuel de programmes**

  Dès lors que l'on importe le programme dans une machine où la capture de champs est paramétrée.

- **Sélection automatique de la machine dans l'import manuel de programmes**

  Présélection de la machine courante depuis l'explorateur de fichiers

- **Rafraîchissement de la liste de documents par un simple clique sur l'arborescence**

  Une nouvelle option permet de paramétrer le simple clique pour la sélection d'un dossier dans l'arborescence

- **Rafraîchissement automatique de l'arborescence de dossier**

- **La comparaison automatique est désormais basée sur un calcul de code CRC**

  Ce qui permet une comparaison très rapide et fiable de gros fichiers d'usinage

- **Possibilité de supprimer tout les drapeaux de la boite de mouvements**

  Uniquement depuis la boite de réception ou uniquement depuis la boite d'envoi

- **Rajout de la date et heure de fin des états de production dans la base de données**

  Voir livre blanc sur la structure de la base de données du système pour plus de renseignements

- **Interdiction de désactiver un OF dont une des OP est en cours**

- **Suppression de programmes possible depuis le PC (FTPClient)**

- **Notion de pré-configuration par modèle de machine (Editeur multi-canaux)**

- Application de configuration depuis une autre machine (Editeur multi-canaux)

Bufixes

- La mise en corbeille sur une multi-sélection n'engendre plus d'erreurs

- Plus de message d'annulation sur la fermeture de l'éditeur même après un enregistrement

- Remise en place du lien vers les propriétés de l'application supplémentaire 2 dans les propriétés d'une CNC

- Restreindre la liste des CNC à celles accessibles par l'utilisateur courant dans les différents menu de choix de CNC

- Intégration des informations du programme lorsque l'éditeur est en mode multi-fenêtré

- Amélioration stabilité CProd

8.20.1

News

- **Documentation complète de la structure de base de données**
  Fournit à la demande, par l'éditeur ou votre fournisseur.

- **Mise en base de données des changements d'états machine**
  Fonctionnelle sous Access, PostgreSQL, Oracle.

- **Nouveau calendrier de temps d'ouverture machine**
  Edition manuelle ou automatique par l'intermédiaire de pré-configurations et d'un assistant.

- **Utilitaire de migration d'états machine de l'ancien mode fichier vers le mode base de données**
  TopsGenerator est fournit à la demande, par l'éditeur ou votre fournisseur.

- **Délai paramétrable de démarrage de Cprod**
  Pour la compatibilité avec Moxa active OPC en mode service. (Outils->Préferences->Moteurs de communication : option « Démarrage différé de CProd »)

- **Notion d'archivage d'ordres de fabrication**

- **Affichage de l'OF, l'OP et la référence en cours sur les vignettes machines**
  Outils->Options de production->Affichage.

- **Option d'affichage automatique de la progression d'un transfert lors d'un envoi manuel**
  Propriétés CNC->DNC->Communication série->Protocole->Affichage info au chargement.

- **Option d'inversion de l'icône affichée sur les versions non téléchargeables**
  Outils->Options de communication->Organisation des statuts->Marqué la version téléchargeable.

- **Nouveau droit utilisateur sur le changement de nom des colonnes**

Évolutions

- **Listage des machines en mode production uniquement, pour le champ CNC d'une OP**

- **Mise à jour du plugin « CommentState » pour être compatible avec les états en base de données**

- **Option de masquage de l'état parent sur CNetProd**
  Propriétés CNC->PRODUCTION->Etats machine->Cacher les états parents dans CnetProd.

- **Possibilité de choix de commentaire sur la modification d'état engendrant une fusion d'états.**

- **Avertissement sur fermeture du logiciel quand des modifications d'états ne sont pas enregistrées**

- **Portage de la gestion de flux « Xon/Xoff + Signaux » déjà présent dans Cwork4**
  Propriétés CNC->DNC->Communication série->Protocole->Contrôle de flux.

- **Filtre CNC dans la boîte de mouvement liée dorénavant aux îlots machines**

- **Affichage de la progression d'une suppression massive de drapeaux dans la boite de mouvements**

- **Bouton « Annuler » sur la sortie de l'éditeur ISO lorsque le programme n'a pas été enregistré**

Bufixes

- **Les commandes de changements d'états automatiques et la capture réseau de fichiers d'usinage ne sont plus limitées à 255 caractères**

- **Correction d'une faille de sécurité au niveau du login**

- **Il est maintenant possible de supprimer les drapeaux présents dans la boîte d'envoi.**

- **Les programmes appartenant à un groupe de cnc sont visibles même si les machines ne font pas partie de l'îlot utilisateur.**

8.20

News

- **Connexion machines via un partage SMB (partage Windows)**
  Moriseiki(CAPS+ISO) / SIEMENS 840D(Linux+Windows) / Charmilles / Mazak...

- **Connexion Heidenhain via le protocole LSV2 (TCP-IP)**
  Heidenhain 426/530/620

- **CServices permet de mettre facilement un exécutable en mode service.**

- **Mise à jour automatique des fichiers Pré-configuration de machine.**

- **Licence USB compatible Windows 2012 / Windows 8.**

- **Possibilité d'utiliser le caractère « % » (pourcent) dans les noms de fichiers d'usinage.**

- **Ajout de la désinstallation depuis « Programmes et fonctionnalités » de Windows.**

- **Notion de filtres sur le comparateur de fichiers intégré au logiciel**
  Choisir de ne plus prendre en compte commentaires, espaces, numérotation... lors de la comparaison et ce automatiquement.

Évolutions

- **Amélioration de l'éditeur multicanaux (Version finale)**
  Gestion format Citizen / Choix de version de programmes (en mode un fichier différent par canal) / Aide utilisateur / Traduction

- **Amélioration du plugin FTP-Client**
  Connexion avec machines Fagor8055T / Possibilité de mettre un dossier racine / Visibilité de la machine courante dans le titre du plugin / Avertissement sur statut non téléchargeable

- **Evolution du serveur FTP (CFTP)**
  Connexion des machines MAZAK SMART

- **Amélioration de l'export vers NCSIMUL TOOL**
  Export sans extension

- **Evolution importation fichiers CAMLINK**
  Gestion de l'importation de fichier avec partie de programme en ISO inséré dans le code Mazatrol

- **Installeur significativement plus léger (-40%/33Mo)**

Bufixes

- **Correction des bugs de montage de machine DLL et RS232 quand une DLL d'interface est paramétré**

- **Suppression automatique des anciens raccourcis présents sur le bureau lors de l'installation d'une nouvelle version du logiciel**

8.19.3

(*) Gain de performance au démarrage
(+) Option de masquage du chemin du dossier de travail

DNC
(*) Utilisation du scénario utilisateur lors d'un import manuel
(+) Événement sur déchargement d'un fichier archivé
(*) [PLUGIN] Plugin FTP Client en version finale
(*) [PLUGIN] Éditeur multi-canaux sort en version Bêta 2.0
Avec possibilité de sélectionner un programme différent par canal.
(*) Correction d'un bug d'affichage des LEDs d'activation machines
(*) Correction d'un bug lié à l'option « Remise à zéro physique » avec boîtiers MOXA
(+) Possibilité de certifier une multi-sélection de programmes
(+) Possibilité d'exporter une multi-sélection de programmes
(*) Amélioration de la recherche par contenu
(+) Visualisation du nombre de fichiers affichés dans l'explorateur de programmes
(*) Les tailles des colonnes de l'explorateur de programmes sont désormais lié à l'utilisateur
(+) [CNETDNC] Notion de multi-sélection sur le chargement de programme

8.19.2 / Version 2013

(+) Correction de défaut de traduction
(+) Évolution graphique
(+) Splashscreen de chargement au démarrage du logiciel

DNC
(*) Importation des fichiers COMMO Pro32
(+) Gestion de l'import automatique sur machine de type DLL
(*) Boite de dialogue sur Enregistrement sous d'un programme existant
(*) Correction du délai lors d'un envoi manuel groupé

8.19.1

(+) Traduction du logiciel en Allemand

DNC
(+) Rajout d'un champ de capture « Indice manuel »
(+) [CSMB] Possibilité d'activer/désactiver les CNC

8.19

DNC (+) Affichage de la taille des fichiers dans la fenêtre des versions
(+) Possibilité d'utiliser un outil de comparaison externe
(+) [CNET DNC] Gestion des fichiers à plus de 8 caractères sur CNC Siemens840D
(*) [CNET DNC] Possibilité d'ouvrir des documents associés à un programme, directement depuis Cnet DNC
(+) [CNET DNC] Recherche de fichiers depuis Cnet dans la mémoire machine.
(+) Nouveau filtre sur la réception de programmes (Commencer la réception sur la détection de la chaîne de caractères …)
(*) Sécurité de format d'indice primaire et secondaire sur le changement de statut d'une version
(+) La partie DNC est compatible avec l'utilisation d'une base de données ORACLE
(*) Possibilité de changer les propriétés sur une multi-sélection de programmes.
(+) Option de tri sur les entiers (pour avoir un classement plus logique quand une machine utilise uniquement des entiers dans les noms de programmes)
(+) Export de programmes pour TOOLEXPERT
(+) La gestion de fichiers parasites est liée désormais à chaque CNC
(*) Evolution de l'utilisation d'un éditeur externe au logiciel
(+) Gestion des fichiers de type MAZACAM en import/export
(*) Prévisualisation des documents joint à un programme qui sont de type « Raccourci sur... »
Fonctionne à partir de Windows Vista
(*) Nouveau filtre sur la recherche de fichier
Filtre sur les fichiers avec Alarme
(+) Gestion du protocole LSV2 TCP/IP sur Heidenhain
Sous forme d'un plugin
(+) Editeur multi-colonnes (Multi-Canaux)
(+) Notion de statut certifiable par groupe d'utilisateurs
(*) Gestion du scroll par la molette sur le comparateur de programmes du logiciel

PROD (+) Gestion des OF/OP
(+) Macro Excel permettant le calcul de TRS/TRE/TRG
(+)[CNET PROD] Création d'un client léger s'installant sur CNC ou PC ou PanelPC permettant le suivi de production manuel : Etat +

OF/OP
(+) Création de différents plugins pour exporter/importer des informations d'OF/OP vers les ERP
(+) Affichage taux de productivité journalier par machine directement sur la vignette de la CNC

8.18

(+) Possibilité d'utiliser une base de données POSTGRESQL
(+) Ajout de la recherche par contenu, pour rechercher des documents par leurs contenus
(+) Fonctionnement de l'éditeur en mode multifenêtrage
(*) Amélioration du code partenaire
(*) Lors d'une suppression de CNC le dossier est gardé dans /Temp
(+) Option de réouverture de fenêtre de version quand on ferme l'éditeur
(*) Rajout d'une variable de nom dans les messages de retour
(+) Export CamWare
(+) Création d'état automatique dans la production
(+) Gestionnaire de moteur de communication
 Possibilité de redémarrer/ouvrir les moteurs à distance.
(*) Evolution de l'import automatique
 Possibilité de spécifier le statut pour un import auto
(+) Importation automatique de jauges outils

8.17

(+) Ajout de la possibilité de charger et décharger des dossiers complets via le protocole NFS (et CNFS).
(*) Suppression du rafraîchissement automatique sur la sélection d'une période personnalisée dans le suivi de temps.

8.16

(*) Filtres de recherche sur les programmes protégés et ou archiver
(+) Finalisation d'intégration du suivi de production.
 Remonté d'état de différentes manières, cumul de ces états, export vers Excel…
(+) Nouveau mode de communication machine en protocole SMB
 Le protocole SMB est le protocole de partage de dossier Windows Standard.
(+) Rajout des événements archiver désarchiver dans les actions de changement de statut.
(+) Présence d'une légende présentant les différentes icones dans la fenêtre de listage de programmes.
(*) Notion de couper/coller un programme.
 En cochant l'option de suppression après copie.
(+) Gestion automatique de la suppression des documents alliacés.
 Les alias seront supprimés en même temps que la source. Après confirmation utilisateur.
(+) Tri alphabétique des noms des CN dans le menu déroulant.
(+) Possibilité de faire redémarrer Cprod automatiquement.
 Le délai est paramétrable de 0 à 48h, dans le panneau préférences.
(+) Possibilité de préciser qu'une machine possède des programmes illisible.
 Impossible de les éditer.
(+) Possibilité d'archiver tout un projet.
Plus de modification, plus de déchargement, plus de certification, plus d'ajout de documents joints… + rajout d'un filtre sur la recherche.
(+) Multi-suppression de version
 Possibilité de supprimer plusieurs versions à la fois avec la multi-sélection.
(*) Evolution de l'affichage de la boite de mouvement
 Un affichage sauvegardé par User, un affichage configurable, rajout de filtre sur statut.
(*) Passage des Options principales dans la fenêtre de Préférences du logiciel.
(*) Rajout de l'action « déprotéger un programme » sur les actions liées au changement de statut.
(+) Possibilité de supprimer en automatique un document lors de ca copie
 (Couper/Coller)
(+) Rajout d'une Légende d'icônes dans l'explorateur de base de données.
(+) Mise en place d'une notion de plugin général.
(+) Mise en place d'une notion de plugin sur l'éditeur.
(+) Dans les préférences et les options des CNC le bouton Document RTF vous permet d'ouvrir un fichier texte vierge lié soit à la machine soit au logiciel que vous pouvez utiliser pour vos notes ou documentations.
 Sauvegardé dans le dossier de travail.
(+) Mise en place de l'importation automatique dans le moteur de communication NFS.

8.15

(*) Modification de la gestion des groupes dans la forme des propriétés machine
(*) Les chaînes de caractères de contrôle des champs (nom, désignation, titre et sujet) sont passées de 30 caractères de limitation de

longueur, à 255.
(*) Lorsque la machine passe en mode FTP et que l'extension préférée est "toutes", on choisi l'extension "CNC"
(+) Rajout de la fonction de redémarrage automatique de Compc. Mettre CompcMSStart= valeur dans le fichier MainSetup.ini rubrique
IP Mise à jour des documents lors d'une capture automatique via Compc (*) La gestion de licence a été modifié, le partage des licences
CNC entre les différents moteur de communication est dorénavant effectif.
(*) Ajout des commandes d'applications dans les options cnc.
(*) Possibilités de rechercher et copier malgré que le document soit en lecture seul
(+) Rajout d'un champ Catégorie
 Avec capture lors d'un Déchargement.
(*) Formatage des caractères reçu dans les informations de transfert
 Précise l'unité appropriée.
(*) Changement de la gestion du Langage
 Les Langues sont stockées dans le dossier \Bin\ressources\Nom de la langue
(+) Possibilité d'une sauvegarde rapide dans l'éditeur de programme
(+) Possibilité de cocher/décocher toutes les options des utilisateurs en un clique.
(*) Correction d'un bug mineur sur le transfert Mazatrol de machine MAZAK T2.
(+) Implémentation du Moteur CNFS80 qui permet de transférer en Ethernet sur les CNC Heidenhain

8.14

(+) Possibilité de sauvegarder la taille des colonnes
 Dans Menu Base de données -> Sauvegarder taille des colonnes
(+) Rafraichissement de la liste de programme par la touche F5
 La liste de programme doit être sélectionnée.
(+) Rafraichissement automatique de l'arborescence de dossier
 Lors de la sélection dans dossier
(*) Correction de l'erreur lors de la réduction du logiciel
(*) Correction de l'erreur sur l'accès à la corbeille
(+) Ajout de la notion de Correcteur d'outils et du lien avec le logiciel de gestion d'outils CTools
(+) Rajout d'une date de transfert dans la boite de mouvements
(+) Possibilité de réutiliser la fonction Half Duplex

Pour ne pas prendre en compte le déchargement de caractères lorsqu'un envoi est en cours

8.13

(+) Présence des configurations d'une CNC dans le menu « informations »
(+) Développement des options de restrictions sur un programme
(+) Possibilité d'avoir un raccourci sur la multi-sélection de programme par le bouton « CONTROL »
(+) Rajout d'une configuration de délai pour la capture automatique de programme sur le réseau
(+) Caractères de capture des fichiers parasites

Si pas de présence des caractères paramétrés alors prise en compte du programme comme fichier parasite

8.11

(*) Modification de la gestion de profil au login
 Un menu « Plus » apparait lorsque plus de 15 utilisateurs sont déclaré
(+) Possibilité d'affecté une action sur un changement de statuts
 Pour l'instant l'action Protection de programme en place
(+) Page « Editorial » disponible. En haut à gauche bouton bleu.
 Pour ce tenir au courant des nouveautés SMCOM
(*) Résolution du problème sur la copie d'un programme déjà existant

8.10

(+) Accès rapide sur l'édition de programme. (Résumé de programme)
(+) Rajout du fonctionnement de la molette de souris sur les ateliers.
(+) Menu d'accès rapide aux documents joints au programme sur le clique des trombones.
(+) Délais de capture réseau de programme paramétrable.
(+) Recherche sur le journal
 Touche entrée pour accéder à la recherche et espace pour passer à l'élément suivant
(*) Le changement de la description s'enregistre sur une multi-sélection

8.09

(*) Nouvelle gestion de profils
(+) Restrictions de programme par rapport à des machines

8.08

(+) Mise en place du mode persistant dans les captures de champs au niveau Cnc.
Quand ce mode est actif, les champs ne sont pas réécrits lors de l'importation ou du déchargement CNC vers PC. Dans les options CNC, cocher [ ] dans capture de champs.
(+) Rajout du classement de machine par groupe.
(+) Fonctions « Addon Rx » dans options Cnc.
Permet de rajouter un Addon lors de la fin de communication en réception (Cnc vers PC)
(+) Prise en compte des versions au-delà de Z.
Après la version Z, l'indice passe sur 2 chiffres (AA , AB, AC…)
(*) Prise en compte des fichiers images dans documents associés.
(*) Modification de la gestion de groupe de CNC.