New Features

✔️ **[TNR-1644] - Milestone calculation and backward planning**
Enables planning of milstones in processes and also backward time-calculation so that a milestone date can be reached even if a task couldn't be finished in time.

✔️ **[TNR-2420] - Show notes of the main process in related softlinks**
Softlinks are now able to show notes of their main processes.

✔️ **[TNR-2606] - Finished activities are highlighted in iGrafx models**
If a node is left in a process designed with iGrafx there will be a grey border around the node, so that it is clear which path the process followed.

✔️ **[TNR-2743] - Improve Wordtemplatehandler so that not all variables are resolved when searching the docx-template**
If the new parameter is enabled, all process variables starting with "#" are resolved before searching for the template. This feature is designed to find different template languages.

✔️ **[TNR-2837] - Processmanager should be able to delete all documents**
It can be configured that all processmanagers are able to delete all attachments even if they didn't upload the files.

✔️ **[TNR-2866] - Send error mails to dynamic recipients**
The new handler can read a string or a processvariable containing email adresses to which the errormails will be send.

✔️ **[TNR-2904] - Align ToDo and PM translations for "start process"**
Some labels and buttons were renamed in order to avoid confusion in clients.

✔️ **[TNR-2908] - Integrate Aspose lib in tim for document conversion handling**
A new PDF Converter was implemented which allows to convert all office formats to pdf.

✔️ **[TNR-2723] - Too many linebreaks in error mails**
The layout of the error mails was optimized.

✔️ **[TNR-2829] - openOffice connector port and host cannot be set**
If the Documentconverter runs on another host or uses another port, this could be set in the tim.properties

✔️ **[TNR-2835] - Reply-To does not work with multiple recipients**
It's now possible to set more RCPT Recipients in Mailnodes, so that your answer will be send to more than one person.

✔️ **[TNR-2481] - replace specialchars (def. by blacklist) with _ for sharepoint uploads**
If documents are uploaded to sharepoint all defined specialchars are replaced with an underscore

✔️ **[TNR-2501] - Interpretation of vertical process models**
Vertical proccesses can now be deployed and used in all clients.

Bugfixes

✔️ [TNR-2758] - Task name and task description are not displayed in the task properties

✔️ [TNR-2754] - Process repository shows too many process elements

✔️ [TNR-604] - Timer can be archived only with PM rights

✔️ [TNR-1752] - Notes are not displayed correctly in Reports

✔️ [TNR-2017] - Enable Multilanguage of WordTemplateHandler

✔️ [TNR-2153] - Share Documents between Sub and Main process

✔️ [TNR-2181] - Repository does not show Processes with umlauts

✔️ [TNR-2199] - Export out of translation client is wrong

✔️ [TNR-2423] - Archiving a process with running instances results in unknown error message

✔️ [TNR-2490] - Process monitoring client: Mail nodes are visible

✔️ [TNR-2565] - Smartform style corrupt for instance start links

✔️ [TNR-2591] - bootstrap.css modifies non bootstrap Smartforms

✔️ [TNR-2674] - Team-manager is not able to assign tasks out of the task-list

✔️ [TNR-2696] - Sorting in ToDo client if remaining time is 00:00

✔️ [TNR-2710] - Rules Matrix: row sorting is changed by system

✔️ [TNR-2724] - Set more than one group in Repository

✔️ [TNR-2728] - Highlighting of Signavio BPMN processes is corrupted

✔️ [TNR-2741] - Copy Instance does not work in second try

✔️ [TNR-2762] - SSO logged in user loops after server restart

✔️ [TNR-2765] - Process cannot start when DMS is set to sharepoint

✔️ [TNR-2772] - MergePDFDocumentHandler doesn't create a valid pdf

✔️ [TNR-2775] - Transitions cannot be translated

✔️ [TNR-2786] - ProcessInstanceStart via PD-Name does not work

✔️ [TNR-2788] - Effort CreationUser is Lazy

✔️ [TNR-2789] - showDocumentsToFlag shows processarchive files on instancestart

✔️ [TNR-2794] - Hungarian is translated wrong

✔️ [TNR-2798] - Task of my group shows up in my tasks after multi assignment

✔️ [TNR-2808] - Processstart takes 1min to start

✔️ [TNR-2812] - German translation in language popup: Englisch (US)

✔️ [TNR-2814] - Wrong smartform is taken if instance is copied

✔️ [TNR-2819] - Docx4j crashes when converting to docx PDF

✔️ [TNR-2823] - Tasks missing in repository client in translation

✔️ [TNR-2827] - Repository Throws Nullpointer on restore

✔️ [TNR-2831] - Efforts can be tracked twice

✔️ [TNR-2836] - Startevent ignored in Sectionhandling

✔️ [TNR-2838] - Tabs are not intepreted in docx wordtemplate when OpenOffice is not running

✔️ [TNR-2850] - Highlighting in process model is not located correctly

✔️ [TNR-2854] - Taskmails are not sent. User needs to disable and enable Email-Notification to get it work

✔️ [TNR-2899] - Task cannot be translated in Repository

✔️ [TNR-2902] - DBconnectionmanager missing in jndi helper

✔️ [TNR-2906] - Default Language can be created twice

✔ [TNR-2912] - Layout of rulesmatrix popup

✔ [TNR-2913] - Values of Variables in PI-Reports is not readable

✔ [TNR-2914] - Costcenter is not displayed in ToDo Client

✔ [TNR-2916] - mergePdfDocumentsHandler should also merge doc, xls, xlsm files

✔ [TNR-2918] - umlaute in uploaded filenames broken when downloaded (IE11)

✔ [TNR-2919] - add flag to control pdf converter type

✔ [TNR-2920] - Table row limit (e.g. 10 rows) doesn`t enable paging to see that more tasks exist

✔ [TNR-2923] - ToDo client: Context menu of process definition allows me to find all open tasks

✔ [TNR-2929] - AdHoc Tasks Popup Notes are not using same count information as simple task instance

✔ [TNR-2931] - language fallback if wrong locale is set does not work

✔ [TNR-2933] - zh-guoyu is not supported by java8 - use zh-cn for simplified chinese