PDS-Upgrades

Introduction:

Upgrades of PDS-Projects to an actual Software version of PDS$^{©}$ are often blocked ore hindered by an uncertainty how long such a process may last. Especially if there are dozens or even hundreds of PDS-projects which have to be upgraded.

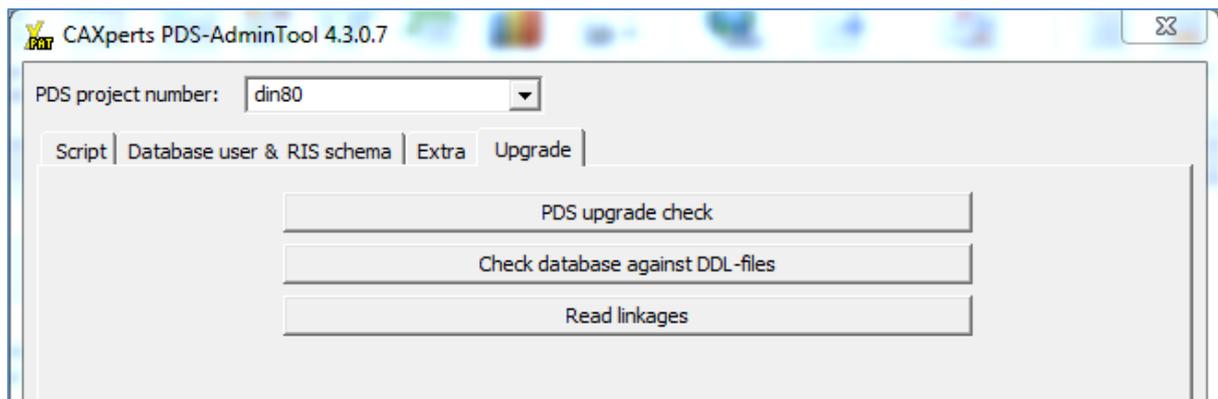## Checks before Upgrading a PDS Project are necessary:

In order to achieve an efficient workflow in a predictable period of time it needs some utilities which ensure a reliable checking and fixing of not yet upgraded projects in order to make the Upgrade-Process itself to a "One-Push-Button" exercise.

One common issue in this Upgrade-Process are always missing Models and Drawings.
This stops the Upgrade-Process and the administrator must start this process again and again which can became a time-consuming exercise.
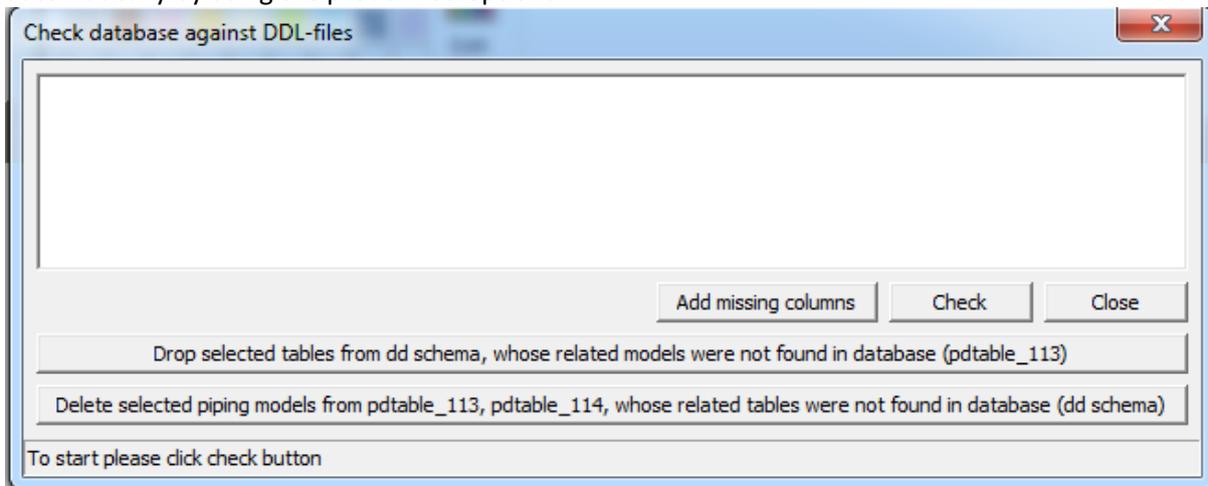
PDS-AdminTool:

With CAXperts PDS-AdminTool the administrator has an effective utility which solves this problem in minutes.

In this Upgrade section a PDS-Project can be analysed for missing models and drawings in the PDS-project. If there are missing models and drawings the administrator can automatically restore them by using the seed-files for the particular discipline or the models and drawings can be searched in the network environment. No manual process is involved.
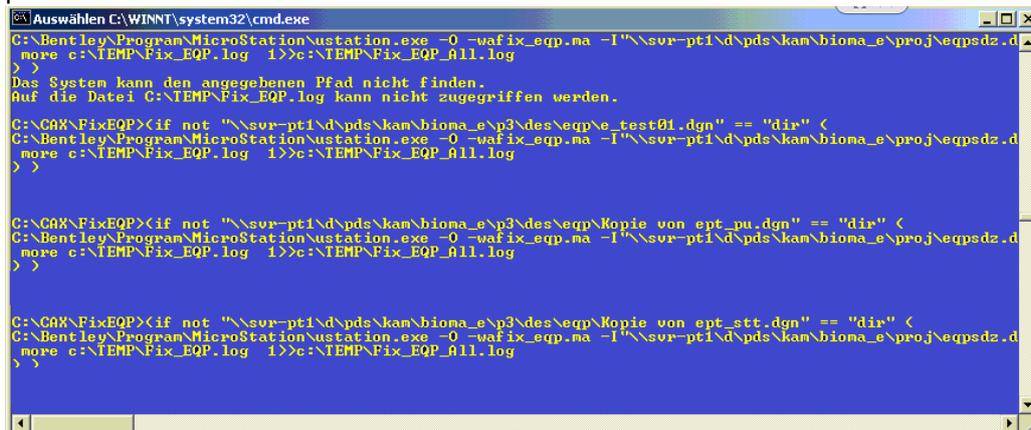This ensures a seamless processing of all models in all disciplines what is in general the key for an efficient and smart way to upgrade your PDS projects.

One further essential check is the database structure against the project-ddl file.
Here the administrator can find very easily orphan entries in the database and can fix them automatically by using the predefined options.

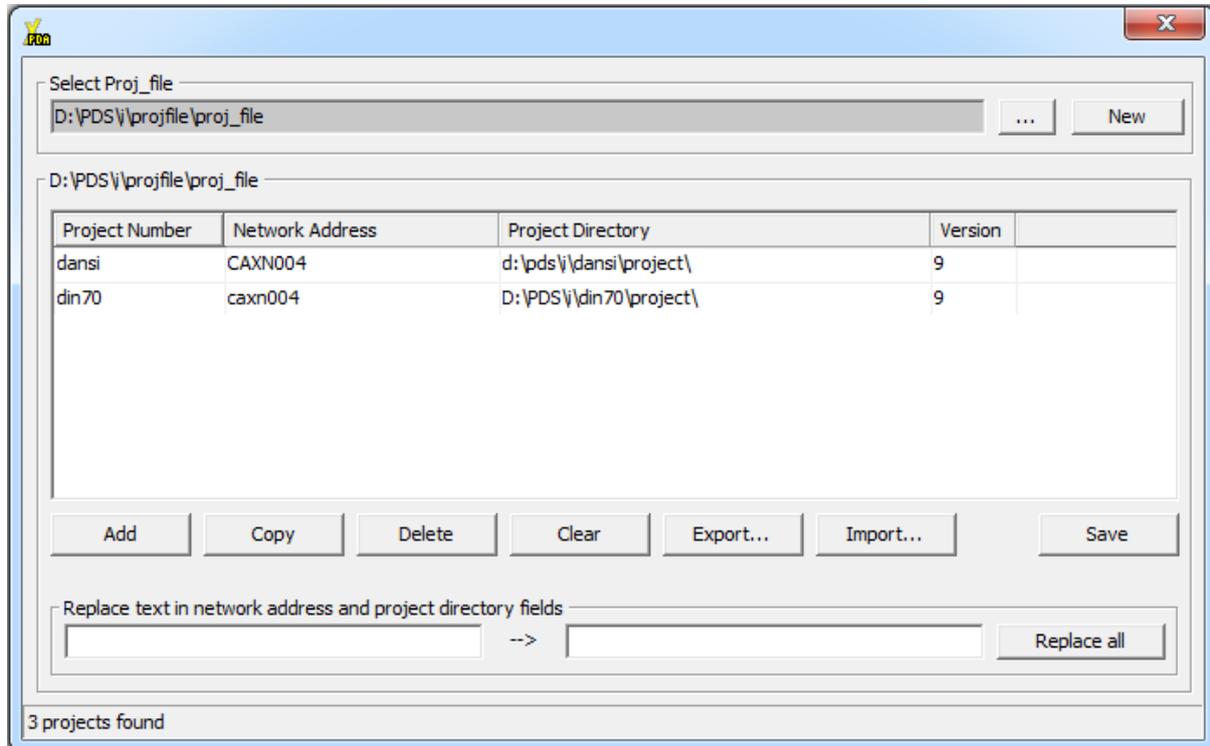## Equipment-Upgrader + Post Upgrade Checker:

Another big hurdle can be Equipment-model upgrades.
Equipment models can sometimes be very complex which what can stop the upgrade process on particular models.

Therefore CAXperts developed a utility which analyses the internal Model-Structure and corrects it in case if necessary. Finally a Post-Upgrade Report is generated where the state of the models is listed

Another helpful Utility: PD_XPDA

PD_XPDA provides amongst other things a very comfortable functionality for modifying the PDS-projfiles. Such easy-to use functionalities speeding up the Upgrade-process

Benefits:

PDSAdminTool provides the following benefits:

- Comprehensive quality checks upfront the Upgrade-Process itself
- Fixing of Missing Models and Drawings instantly – no manual effort is needed.
- Overall reduction of downtime for projects due to the upgrade process

References:

CAXperts has successfully upgraded already hundreds of PDS-Projects for customers all over the world. This was done either as a complete outsourced service or as onsite-consulting.
With a predefined and approved workflow together with powerful Tools, CAXperts could e.g. manage an Upgrade of more than 200 PDS-Projects – spread over 4 sites - for a worldwide operating EPC in less than 700 man-hours .