

# AUCOTEC - Press release

5th February 2014

## Managing changes in a data-based manner: Recognising, processing and tracking made easy

At the Hannover Messe (Hanover Trade Fair) 2014, Aucotec AG will be introducing for the first time data-based change management for plant design, which significantly reduces the risk of expensive misunderstandings. The solution, which was developed on the Engineering Base (EB) software platform, is aimed particularly at the requirements of larger projects where several employees work in parallel and often have to exchange data with customers and suppliers. The system enables changes to be recognised immediately, processed specifically, and overall progress to be tracked.

Even after importing new customer or supplier data, EB allows you to recognise that changes were involved. The system indicates the data that still needs to be processed. If several users are working internally on the same project, the system allows control over intermediate specification changes and even shows the revision step in which changes have been made. The import of large quantities of new data is another challenge in change management for which EB now provides a solution.

### Automatically visible status

The system platform makes data changes visible via status messages. Objects and attributes obtain configurable information such as processing status and revision affiliation, which EB sets automatically. This clarifies when the modifications were made and by whom. After the specific processing of the necessary subsequent corrections, the status can be reset to "done".

To facilitate processing the import of large amounts of data, the user specifies the exact data records he wants to import. The already imported data is then hidden in the next run due to the integrated change management.

The screenshot displays the Aucotec Engineering Base software interface. A 'Progress Tracking' dialog box is open, showing details for device function 'LIC0012'. The dialog includes fields for Version (3), Responsible (Reinhard Knapp), Created By (Martin Imbush), Discipline Phase (Process Engineering), Assigned To (Martin Imbush), Due Date (04.02.2014), and Message Comment. It also shows a 'Change History' table with columns for User, Date, and Version. The 'Attributes Change Details' section shows a list of attributes with their old and new values, including Designation (LIC0012 to LIC0012-1), IconID (560), Comment (Level Measurement to Level Measurement), ShortDescription (LC 102034), Width (0.2), Height (0.8), and Depth (100). A 'Restore' button is visible in the dialog. In the background, a data table is visible with columns for Part of, Designation, Comment, and Design State. The table lists various units and their associated components, such as 'Control System', 'Preparation Unit', 'Crude Biodiesel', 'Cooling System 1', 'Cooling System 2', 'Diluted Glycerol Tank', 'Flash Drum', and 'Glycerol Tank'. The design states range from 'Released (Electrical)' to 'Newly Created'.

Detailed status information with change history

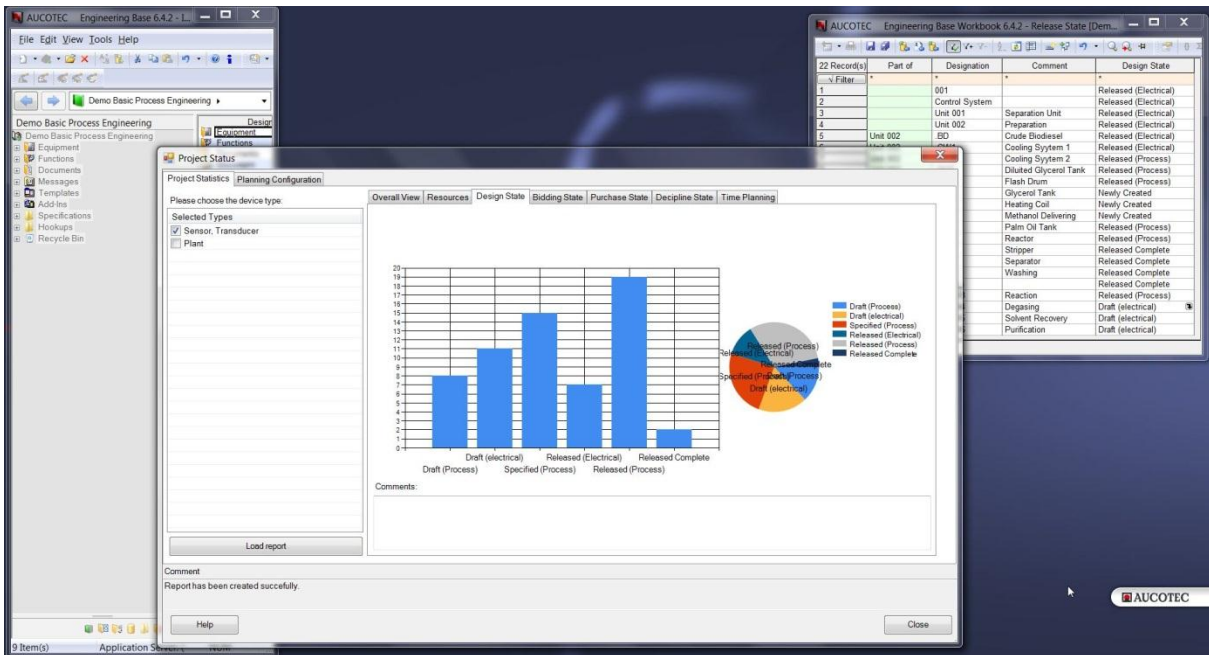
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## Explicit

All changes are not only visible, but are assigned the correct status. This facilitates research significantly. Furthermore, the designer can refer to explicit versions of data or documents when communicating with suppliers, customers and colleagues.

The database-driven EB, which ensures that each object is present only once in the system, is crucial for this solution. Any presence of an object in lists or graphics is "only" an adapted representation of the same data. Graphically-oriented systems are incapable of proceeding in a similar traceable manner.



Overview of the progress of the project

## Aucotec at the Hanover Trade Fair: Hall 7, Stand B28

If printed, we would appreciate receiving a copy. Thank you very much!

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**Aucotec AG** develops engineering software for the complete life cycle of machines, plants and mobile systems – with almost 30 years of experience. The solutions range from flow diagrams via process control and electrical engineering for large-scale plants to modular harness design in the automotive industry. Aucotec software has about 40,000 users worldwide. Aucotec AG, with headquarters in Hanover, also comprises two additional German development centres in Frankfurt and Constance, four regional distribution and support branches as well as a global network of subsidiaries and partners.