

Design water treatment systems in an even more user-friendly process

- **New 2.0 version of LewaPlus software available**
- **Combine per drag and drop different technologies in one design**
- **Design software from LANXESS helps to improve ecobalance**

Cologne – The specialty chemicals corporation LANXESS has made further enhancements to its LewaPlus software for designing water treatment systems. With this 2.0 release, users now have the unique ability to combine per drag and drop different technologies in one design. “Because modules can be added to a project via drag and drop, LewaPlus 2.0 is now even more intuitive to use than existing programs on the market,” emphasizes Dr. Jens Lipnizki, Head of Technical Marketing Membranes at LANXESS.

A focus on user-friendliness

Now users can seamlessly simulate complex plant designs including a combination of several treatment steps in a single design process. The water analysis calculated by the individual modules is automatically taken over as feed to the subsequent module. During the design process, the user can change the design of the system via drag and drop.

“With LewaPlus 2.0, calculations can be made for designs that not only treat the purified stream of water, but also the so-called retentate. As a result, environmentally-friendly overall concepts can be calculated in order to significantly reduce the volume of wastewater produced in practice,” Lipnizki adds.

The modules can be added to a project via drag and drop – even retrospectively in a later stage of the process. This is helpful if the

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system designer decides to add pretreatment of feed during the design process, for example.

Compared to previous versions, the software can now show all of the selected modules in a combined PDF report. A list of links to the respective modules, which can be individually renamed, helps the user to navigate through the PDF quickly and easily.

In addition, the new version also offers a product finder. It enables LewaPlus users to identify which Lewatit and Lewabrane quality products they can use instead of conventional ion exchange resin types and reverse osmosis membrane elements to upgrade their plants.

Improve the ecobalance of water treatment

The intuitive design software LewaPlus is a comprehensive tool for planning and designing an industrial water treatment system and allows the dimensioning of ion exchange- and reverse osmosis systems for a wide variety of unique system configurations, including several one-of-a-kind process configurations that can only be achieved with Lewatit and Lewabrane product technology.

Numerous modules are available for the calculation of every step of the water treatment process. As a result, users can precisely plan important factors such as operating costs, power consumption, and water quality. One module can even be used to model a CCRO system (closed circuit reverse osmosis). This helps to enhance the ecobalance of water treatment through the use of either ZLD (zero liquid discharge) or MLD (minimal liquid discharge) treatment processes.

Extensive information about LANXESS water treatment products and services can be found at <http://lpt.lanxess.com/>. The LewaPlus design software can be downloaded there at no charge.

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News Release

LANXESS is a leading specialty chemicals company with sales of EUR 9.7 billion in 2017 and about 19,200 employees in 25 countries. The company is currently represented at 74 production sites worldwide. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, additives, specialty chemicals and plastics. Through ARLANXEO, the joint venture with Saudi Aramco, LANXESS is also a leading supplier of synthetic rubber. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI World and Europe) and FTSE4Good.

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