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LANXESS
Energizing Chemistry

LewaPlus® – a Versatile and Handy Water-System Engineering Tool

The **LewaPlus®** design software is unique in the water treatment industry, since it offers not only the possibility to treat one stream after another (one-dimensional) but to design complex treatment systems (two-dimensional) with different technologies. It allows designing ion exchange (IX), reverse osmosis (RO), and ultrafiltration (UF) systems with a variety of system configurations, including special processes and technologies available only with **Lewatit®** resins.

At a glance

License costs	None
Platform compatibility	Windows
Available languages	10
Technologies	Ion exchange, ultrafiltration, reverse osmosis
Major functionalities	Projection of combined processes, cost calculation for IX and RO, possibility of RO permeate and concentrate post-treatment, cross-reference tool for IX resins
Available documents	Technical data sheets, material safety data sheets, technical service bulletins
Target groups	OEMs, end users, consultants, etc.
Users	> 6,000
Countries of use	> 100

Key features

With the current **LewaPlus®** version, it is possible to design water treatment systems – just by “drag and drop” the user can place the selected technology to the requested position in the process flow sheet. The software offers the possibility to further treat the feed and/or the product stream of the selected processes. Therefore, a complex water system can be created. With a single water analysis entry, the whole system can be calculated because the projected water composition is seamlessly transferred to the next treatment step.

For IX modules specifically, condensate polishing has the most advanced tool that includes different alkalization agents used in the industry, such as ammonia, morpholine and ethanolamine. It also features a special calculation model to provide most reliable performance parameters for the condensate treatment. In the RO module, the software now provides the possibility to select “generic” RO membrane elements representing most popular products used

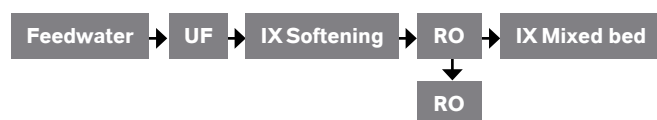
in the field, with the possibility to adjust specific parameters of the selected membrane, thus simulating the use of an intended product.

Available technologies

Ion exchange:	<ul style="list-style-type: none"> ■ Demineralization ■ Softening and dealkalization ■ IX system check ■ Condensate polishing
Reverse osmosis:	<ul style="list-style-type: none"> ■ Brackish water and seawater application
Ultrafiltration:	<ul style="list-style-type: none"> ■ RO pretreatment ■ Brackish water treatment

Overall, the software provides a high degree of design flexibility that, together with unique features, makes the designing process easier and more efficient. Additionally, quick and reliable calculation results performed by LewaPlus® are valuable advantages of this software.

Example of a combined process



In addition to making a projection, the software includes detailed information required to create a projection, such as a product guide and a cross-reference tool, in order to find the right products for your application. Furthermore, the complete set of technical data sheets and, wherever required, the most up-to-date material safety data sheets for all Lewatit® products – as well as technical service bulletins – are directly accessible in the software. Since LewaPlus® offers the possibility to store other documents in the library, too, it becomes a versatile tool for design and documentation of water treatment systems. Projections can conveniently be exported from LewaPlus® into exchange files. These files can be shared with our technical experts who will be able to help you with questions regarding your projections.

How to get LewaPlus®

Get your free license today! Go to our website and download the latest software version by following the link: <https://lanxess.com/en/Products-and-Solutions/Brands/Lewatit/LewaPlus-Software>

We are happy to support your business. Please contact us for additional information: visit www.lewatit.com

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