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Research Center M400 at Ludwigshafen site

Footage material

Innovative pilot plant facility for catalyst and process development.

Located at the heart of the Verbund site in Ludwigshafen is the new pilot plant facility for catalyst and process development, the Research Center M400. It houses highly automated experimental facilities for efficient process development and testing of new process catalysts. Therefore a 60-year-old building was completely gutted and updated. The highlights of the modernized lab include modular construction of the testing facilities, the use of digital technologies to better visualize and manage the pilot plant facilities, and a digitalized working environment. This building will be the central hub for experimental work with automated pilot plants for liquid and gaseous substances.

(01) The Research Center M400 – Innovative pilot plant facility for catalyst and process development

(09-24-2021 / 7'56 / ATMO / Footage)



The pilot plants can be managed and monitored from separate quiet workspaces or directly in front of the pilot plant via computer, tablet or smartphone. Experimental programs can be visually planned and carried out with various distributed control systems. Measurement and analysis data are automatically collected, logically amalgamated and made available for further evaluation.

For further information:

Silke Buschulte-Ding, BASF SE
Specialist Visual Communication,
Film and TV, Brand Consultancy
Tel. 0049 621 60 48 387,
E-Mail: silke.buschulte-ding@basf.com



The seamless integration of process and analytical data enables automatic integration and evaluation of processes. Employees now have the optimal conditions to discover new solutions for process development and catalysis.

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