

TV-Service – Seeing is believing

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The nitric acid plant at the Ludwigshafen site

The nitric acid Verbund in Ludwigshafen is at the core of the site.

Here nitric acid is produced in various concentrations. In addition to supplying raw materials, the nitric acid Verbund also performs other tasks. For example, it uses exhaust gases from other plants and contributes a considerable proportion to steam production.

(01) Control duct filter chambers of the intake air for air compressors

(10-22-2018 / 6'49 / ATMO / Footage)



The nitric acid Verbund in Ludwigshafen is at the core of the site.

All samples are stored in small tubes. Each tube is marked with a barcode. With the help of the barcodes, the robot assembles the samples in "stretches". Up to 20 samples per minute can be taken from the extensive storage.

For further information:

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(02) Control of the process control technology

(10-22-2018 / 6'06 / ATMO / Footage)



In the course of digitization, tablets have been successfully used here since 2015. This can significantly increase efficiency in key operational processes, such as complex measurement and control test processes and start-up and shut-down processes.

Nitric acid is a strong oxidation agent. As such, it is an important raw material for the chemical and pharmaceutical industry. Nitric acid is mainly used for etching and for the production of luminescent substances and pure nitrates.

(03) Impressions at day and at night

(10-22-2018 / 3'01 / ATMO / Footage)



Alchemists used nitric acid to separate gold and silver? Nitric acid dissolves silver and nearly any other metal. Only gold, platinum and several other precious metals resist nitric acid.

In a mixture with hydrochloric acid, the so called aqua regia, nitric acid also dissolves gold and platinum ...

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