TV-Service – Seeing is believing

BASF in motion

tvservice.basf.com

Digitalization in production

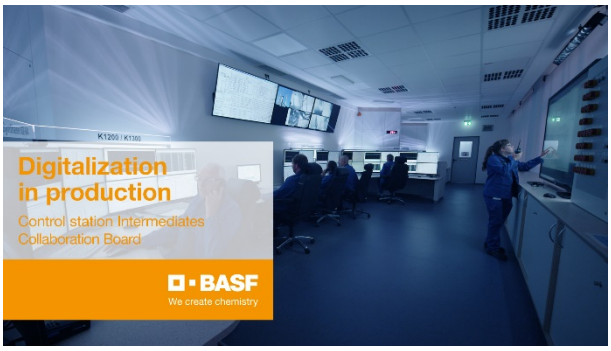
Footage material

Higher efficiency through digitally connected manufacturing processes

Digital applications including augmented and mixed reality are helping BASF to make maintenance and production processes more efficient. Interactive 3D projections of objects such as system parts and plant components provide location-independent access to key information, facilitating better decision-making and optimizing knowledge transfer.

(06) Control station Intermediates

Collaboration Board
(11-25-2019 / 7‘08 / ATMO / Footage)



We are increasing the effectiveness of our plants and the efficiency of our production processes through the use of digital technologies and data. With mobile devices, we have access to relevant information for our daily work. The tight integration of production and business processes allows us to make better and faster decisions.

The modern control station in the intermediate products plant at the Ludwigshafen site is where all information relating to the plant comes together. Using numerous screens, the plant operators control and monitor the highly complex chemical processes.

For further information:

BASF SE, Multimedia and Publications, Photo, TV and Film
Silke Buschulte-Ding
Tel. 0049 621 60 48 387
E-Mail: silke.buschulte-ding@basf.com

On the “Collaboration Board”, a large touchscreen in the center of the room, the employees call up all the important information at the same time and can thus work in an effective and concentrated manner. The employees also use the “Collaboration Board” for training, as the large, interactive screen is ideal for conveying learning contents. Andreas Ernst discusses the 3D model of the plant with his colleagues at the “Collaboration Board.”

The plant for intermediate products is made up of 16 plant sections and manufactures a broad portfolio of around 50 intermediate products such as amines or diols. BASF customers need these products for applications including the production of coatings for the automotive industry, pharma or crop protection products.

(07) HoloLens

Augmented Reality
(11-24-2019 / 6‘26 / ATMO / Footage)

The “Augmented Reality” application supports employees at our plants in their daily tasks. Through the application, they have direct and quick access to necessary information via especially equipped mobile devices, such as tablets or smartphones. This enables us to increase the efficiency of our processes and ensure a more sustainable knowledge transfer.

State-of-the-art HoloLens® glasses are used in a plant for intermediate products at the Ludwigshafen site in order to plan and implement plant modifications in a fast and cost-efficient manner. Andreas Ernst, Assistant Asset Manager, and Felix Volkmann, Asset Manager, can see a digital 3D model of the plant in their glasses, which is superimposed on their real field of vision.

This allows them to check planned modifications, such as changes to piping, directly in the plant. They can see whether all parts fit together precisely or whether they still need to be adapted.

For further information:

BASF SE, Multimedia and Publications, Photo, TV and Film
Silke Buschulte-Ding
Tel. 0049 621 60 48 387
E-Mail: silke.buschulte-ding@basf.com