

Seeing is believing

BASF TV Service for television and online journalists at
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Annual Shareholders' Meeting 2017

Ludwigshafen, May 27, 2017

Footage material

As the world's leading chemical company, we believe strongly in the emotional appeal of film as a way of making innovations and solutions come alive before the viewer's eyes. Of course, as a journalist you can't be everywhere, but we can help bring you a little closer to our world.

00'08

(01) BASF Verbund site Ludwigshafen

Aerial shots

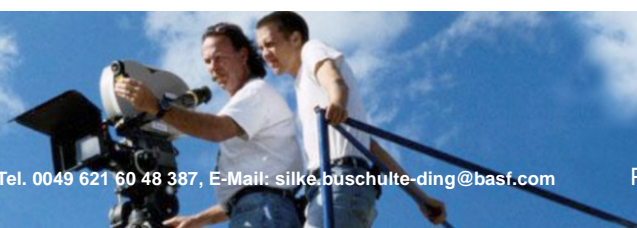


As the headquarters of BASF, it is the cradle of the Verbund concept, where production facilities, energy flows and logistics are networked together intelligently in order to utilize resources as efficiently as possible.

The steam cracker II has an area of around 64,000 square meters making it the size of thirteen football fields and the biggest single plant at the site in Ludwigshafen. The cracker is also the core of the Verbund.

BASF's largest logistics center, with a total area of 120,000 square meters, is located in the northern part of the site Ludwigshafen. It handles one million pallets a year which makes it Europe's largest logistics center for packaged chemicals.

The new office and conference building D 105 is in the southern part of BASF's Verbund site Ludwigshafen. The seven floors offer space for 1,300 employees. Many innovative BASF products were used for the construction of D 105.



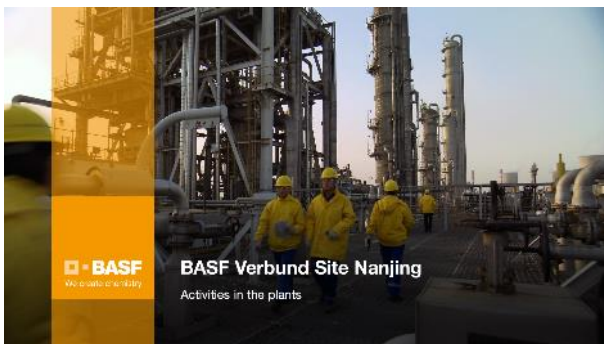
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02'08

(02) BASF Verbund Site Nanjing

Activities in the plants



BASF-YPC is a good example of BASF's Verbund concept. Production plants are intelligently linked together via a network of pipelines. This saves logistics costs for transporting chemicals, raw materials and energy. One example: excess heat from one production plant is used for production in a neighboring plant.

A steam cracker and nine other production plants produce high quality products. Over 90 percent of output of the Nanjing composite is for the Chinese market.

04'18

(03) BASF TOTAL Petrochemicals, LLC – Port Arthur, Texas, USA

Butadiene condenser structure



The butadiene plant, also a joint venture between BASF and Total, started operations shortly after the steam cracker. It is the world's largest single train butadiene extraction unit with a world scale

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downstream indirect alkylation unit. It was the first commercial metathesis unit to convert ethylene to propylene.

The butadiene extraction unit's capacity is approximately 410.000 tonnes per year and the indirect alkylation unit's capacity is approximately 300.000 tonnes per year.

06'20

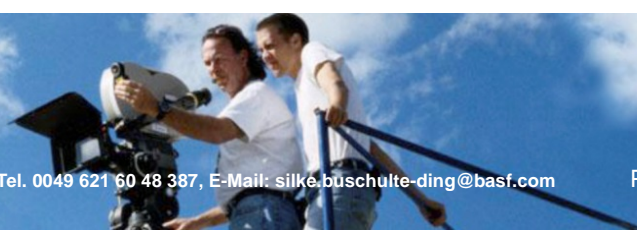
(04) BASF Innovation Campus Shanghai

Polyurethanes Research Lab – Preparing foam samples



Polyurethane is a polymer made from reaction of diisocyanates (MDI and/or TDI) and polyols. Polyurethane is used in a wide variety of applications to create all manner of consumer and industrial products.

Two lab managers check the quality of viscoelastic polyurethane foam. The density of a foam product depends on the type and amount of blowing agent, and the flexibility or rigidity on the structure of polyols and isocyanates involved.



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08'24

(05) Plant Health, Durham NC, USA

Research Triangle Park – Protein Analytics Laboratory



Experiments in the protein analytics lab support the development and characterization of traits. BASF Plant Science develops traits that make plants more resistant to fungal pathogens, tolerant to herbicides or produce higher yields.

Senior Scientist Helen Mu and Assistant Scientist Wasima Wahid examine a protein assay, which is done to quantify proteins in plant extracts.

10'28

(06) Advanced Materials & Systems Research

Modern methods of investigation for understanding of new materials



In the Advanced Materials & Systems Research division, BASF develops new structural materials, dispersions, functional materials as well as organic and inorganic additives for a wide range of

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customer industries including automotive, construction, packaging, paints, detergents and cleaning products, pharmaceuticals, cosmetics, water and the wind industry.

Understanding and continuously improving heterogeneous catalysis requires the expertise of an experienced team, as well as specialized analytical methods.

For example, X-ray photoelectron spectroscopy generates information on the composition of a surface, which is interpreted in context of the microscopic distribution of the catalytic material, and performance in the chemical target process. This is made possible by a close exchange between surface experts and catalyst researchers.

