

Seeing is believing

BASF TV Service for television and online journalists at
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Quarterly Statement 1st Quarter

Ludwigshafen, April 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.

00'06

(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.

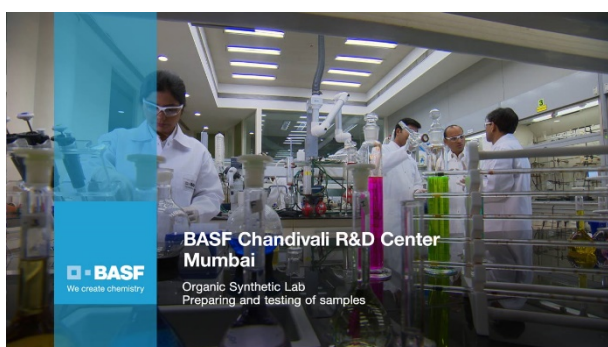
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02'32

(02) BASF Chandivali R&D Center, Mumbai

Organic Synthetic Lab



BASF shares a rich history with India spanning more than a century. With our vast knowledge in the field of chemistry, we manufacture high-quality, innovative products that cater to a wide range of industries.

BASF in India has nine production sites, two R&D centers and more than 2,000 employees and is well positioned to meet the current and future needs of the ever-growing Indian market. The focus is on developing innovative products and offerings, which can minimize environmental impact, improve food and nutritional value and in general promote a better quality of life.

04'44

(02) White biotechnology at BASF – Ludwigshafen

Fermentation lab



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White biotechnology is a key technology in BASF. It has the potential to manufacture products more efficiently than with conventional chemical processes. It is also useful for enabling completely new products not accessible using conventional synthesis approaches.

BASF uses the biotechnological methods of fermentation and biocatalysis in order to manufacture products such as vitamins, enzymes and chiral chemicals.

In the fermentation lab BASF scientists cultivate microorganisms to produce enzymes, for example Phytase, which is used for animal nutrition products.

For the fermentation process which takes place inside the bioreactor, the microorganisms are provided with oxygen, the right substrate solutions and optimal temperatures. Periodically samples are drawn from the bioreactor, which are analyzed further.

06'56

(04) BASF Plant Health, Durham, North Carolina, USA

Research Triangle Park - Plant Health Research



One challenge for sustainable development is ensuring enough food for a growing world population. Since arable farmland is limited, innovations are essential here. Our research and development activities focus on solutions ranging from soil to seeds and crops.

In addition to products for seed enhancement and innovations for better soil management, BASF will also provide technologies that make plants more resistant to stress factors such as heat, cold and nutrient deficiency. These solutions strengthen the health of crops, thus going beyond conventional crop protection.

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08'54

(05) 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 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.