

Biotechnology plants.

Plant manufacturing for production
of starch and starch derivatives.



Linde-KCA-Dresden GmbH. Your competent partner for plant manufacturing.



Within the Linde Group with its international affiliates and more than 50.000 employees company Linde-KCA-Dresden GmbH stands for biotechnology competence.

Forty years of experience in the field of large scale plant manufacturing and comprehensive process knowledge in the area of biotechnological production of active pharmaceutical ingredients, food additives and ingredients, as well as newly developed, biotechnological processes make Linde-KCA the ideal partner for planning and realization of new starch projects.

Depending on specific plant and project requirements Linde-KCA-Dresden GmbH acts as a general contractor jointly cooperating with the client, develops and carries out projects in several phases beginning from conceptual planning up to commissioning of the complete plant.

Current new erection of starch production plants

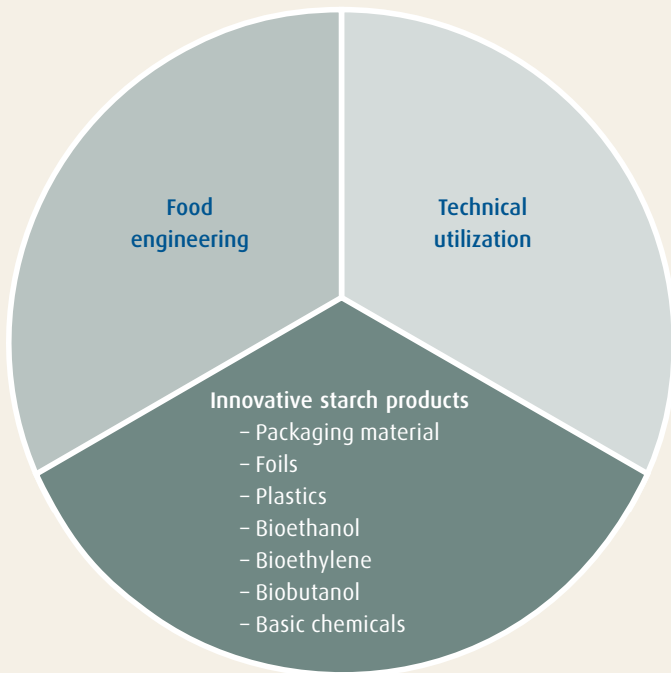
Linde-KCA-Dresden GmbH acting as consortium leader realizes a plant for production of starch and starch derivatives from cereals for the food Retail & Production CS GmbH at the location of the Chemical and Industrial Estate Zeitz/Tröglitz (Saxony-Anhalt).

The scope of supplies and services of the company Linde-KCA-Dresden GmbH includes the whole project management as well as planning, procurement, construction and technology commissioning.

The commissioning of the starch production in Zeitz, which will be started with an annual capacity of 120.000 t will be within the third quarter of 2009. The factory consists of starch and gluten extractions, of A-starch modifications, relevant drying plants, as well as all necessary secondary and packaging systems.



Starch. Versatile raw material.



White Biotechnology. Innovative products made from traditional raw materials.

Starch, a polysaccharide consisting of glucose units, serves as raw material for production of a variety of food products and is processed for the purpose of several technical applications. By a constantly growing annual demand of 50 millions tons it is after cellulose and vegetable oils the most important reproductive raw vegetal material at the moment.

The versatile utilisation of starch products makes this material an important basic material for new technologies and methods. The varying processes of starch production from wheat, corn, potato, pea, rice or tapioca are used depending

on geographic and climatic conditions. Their optimal realization is carried out by an experienced Linde-KCA project team.

Beside the classic use within the food industry and areas of technical application, especially new starch products and their further processing by means of biotechnological methods as alternative to mineral oil based raw materials for the plastics industry become more and more important. The Linde-KCA Biotechnology Team elaborates the new processes and technologies systematically and simultaneously with the project and applies them to plant manufacturing.



Planting seeds for the future.

Our customers' success is our success. With innovative technologies and our employees' extensive know-how, we are consistently turning our customers' goals into our own – in a fair, transparent and cost-conscious manner. Therefore, every plant we build is a reference for the next one – creative in its concept, efficient in its implementation.

As one of the leading companies in the planning and construction of chemical, gas, biotechnological and pharmaceutical plants, we offer our customers the security of consistently high quality standards. In cooperation with reliable business partners, we combine capacity and expertise in order to realise projects of any dimension.

We regard every assignment as a chance to define a new market standard and to expand our strong international position. Driven by our own performance capability, it is our goal to make the name Linde a globally recognised seal of quality, with plants that speak for themselves – and for us.

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