

# BMA to play a key role in the construction of a new sugar factory in Egypt

The newly founded sugar company Nobaría Sugar and Refining Company (NSRC), Egypt, is planning to build a new beet sugar factory with a processing capacity of 8,000 tons of beets per day. The sugar factory concept provides for the processing of sugar beets into white sugar as well as the refining of imported raw sugar. This mode of operation is being applied successfully in several factories in Egypt.

The Egyptian sugar industry has a long tradition. Although both raw materials – cane and beet – are cultivated and processed into sugar, the last two factories have been built for beet processing. With the new Nobaría factory to be erected approx. 200 km north of Kairo, this trend continues. A special fact worth mentioning is that the Egyptian sugar industry is a dynamic one that contributes to economic development across regions, while gaining more and more importance in the Arabian sugar industry.

The overall project shall be implemented in cooperation with the parent company of the Egyptian sugar industry, SIIC, who will not only assign sugar experts for the project team, but also locally manufacture a considerable part of the equipment. BMA and SIIC can look back on many years of successful cooperation having together set up several sugar factories such as Fayoum, Belkas and Delta.

BMA's scope of supply comprises the core components made in Braunschweig and the documentation for local manufacture in Egypt; this follows the pattern of previous projects jointly implemented with SIIC. The BMA scope includes equipment, engineering and services for all core processes involved in the production of white sugar, i.e.:

1. Extraction plant consisting of a countercurrent cossette mixer and an extraction tower, the pulp pumps, the complete measuring & control equipment, and the control system for the plant, which will be designed and supplied by BMA's subsidiary BMA Schaltanlagen GmbH.
2. Juice purification station and evaporator station: for these stations, the components and the manufacturing drawings will be supplied.
3. Sugar house: will be planned and designed completely by BMA. In addition to basic and detail engineering, the components and manufacturing drawings will be supplied.
4. Sugar drying/cooling: for this station, the tried and tested combination of a drying drum and a fluidized-bed cooler with integrated cooling elements will be supplied. By placing these two aggregates one after the other, and optimizing the air flow volumes and their circulation within the plant, the sugar produced is well dried and cooled with minimum energy consumption.
5. Various engineering services for the above-mentioned stations.
6. Personnel assignment for quality monitoring of the local manufacture, supervision of erection for BMA-supplied core components and the supplementary components manufactured locally, test runs, commissioning and the verification of the technological performance data.

*Dr. Mohsen Makina*

*Signing the contract at the NSRC office*

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