

# New centrifugal station for Al Khaleej Sugar Company, Dubai



*Signing the contract – from right to left:*

*Mr Krishnan (Al Khaleej Sugar Project Manager),*

*Dr Mohsen Makina (BMA), Mr Cheik Ismail*

*(Al Khaleej Sugar project team)*



*Installation of the new  
centrifugals*

In April 2010, BMA received an order for the supply of 14 batch-type B2200-R centrifugals to replace the 12 G2100 machines built by BMA in 1994. This factory modernisation increases the processing capacity considerably.

To start with, two B2200-R machines were supplied and installed next to the existing G2100 machines. This was possible because the dimensions of the B2200 centrifugal are very similar to those of the G2100 centrifugal. Another advantage of this measure was that the operating personnel were able to familiarise themselves with the new machines, before the whole centrifugal station was converted, which ensured a smooth conversion.

At the customer's request, the new centrifugals were equipped with a long discharger plough for quick discharge. To achieve a longer service life and better hygiene, many components in the centrifugal station were made of stainless steel, such as the basket hub, the front and lateral cladding, and the charging flap on the housing cover.

To obtain sugar containing as little moisture as possible, additional vapour exhaust nozzles were ordered. The electronic DynFAS FS filling





*Commissioning of the world's  
largest centrifugal station for  
refined sugar (14x B2200-R)*

level sensor will increase efficiency by optimising the filling level and the water washing system. Due to the prevailing temperatures inside the plant, the pneumatic lines were laid in pipes. The couplings were adapted to large motors, since the centrifugals including the drive motors and frequency converters have been designed for very high batch numbers. The centrifugal control units comprise the BMA control system with an additional personal computer for the operators

in the refinery control room. This modern control concept was developed in order to implement a tailor-made solution for Al Khaleej Sugar.

A concept was developed that would permit the conversion and commissioning of the whole station within 15 days. This means that BMA has now implemented the world's largest centrifugal station for refined sugar.

*Dr Mohsen Makina*