Capacity increase at minimum expense

Factory front view prior to conversion in Mechra Bel Ksiri

In BMA Information 48, we already reported on the order placed with BMA for energy and capacity extension studies for SUNABEL, Morocco. By now, the studies for an extension of the factories at Mechra Bel Ksiri (MBK) and Ksar El Kebir (KEK) from 4,000 to 6,000 t/d have been completed.

In a first step, BMA supplied solutions in the form of an energy study for the problems currently occurring in the evaporator station at short notice for the 2010 campaign. Following that, various possibilities for capacity extension and energy savings were compared in a concept study and presented to the customer. In view of the low budget available and the short time for realisation of the extension, the customer opted for the use of mainly second-hand equipment. An extraction plant and a number of evaporators will be relocated from closed factories in time for the 2011 campaign.

In the basic engineering, the conversion measures were documented in the form of mass and energy balances, process flow diagrams with equipment lists, specifications of the equipment to be installed, and layout drawings.

Given that the project manager responsible at BMA, Dr Fahmi Brahim, speaks both French and Arabic, all SUNABEL staff involved can easily communicate with BMA at any time.

Dr Fahmi Brahim
Thomas Schulze

Benefits

- Engineering services adapted to the customer's requirements
- Tailor-made mass and energy balances
- Studies independent of BMA equipment
- Consulting in local language, whenever possible

Dr Fahmi Brahim (BMA, left) and MBK engineering group