

BMA equipment was successfully commissioned in the Turkish Kesinkiliç Bal K p   eker Fabrikasi and K tahya  eker Fabrikasi A.S. sugar factories for the beginning of the 2012/13 beet campaign.

In 2011/12, a BMA extraction plant with a capacity of 8,500 t of sugar beet per day was installed in the Kesinkiliç Bal K p   eker Fabrikasi sugar factory, which is located near the city of Aksaray on the Central Anatolian high plateau. With equipment fabrication and installation of the plant BMA could rely on the assistance of its local partner (see also BMA Information 50/2012).

After the start-up phase had been completed by BMA staff in June 2012, the capacity of the extraction plant could be increased by BMA together with the customer to the rated throughput within no more than a few days in September 2012. This was then followed by the performance run, which produced very good results.

Up until the 2012/13 campaign, the Bal K p  factory produced all its sugar from beet with an outdated version of a horizontal extraction unit. Once the BMA extraction tower had been installed, the factory staff had to get used to a different way of plant operation. But since the factory's experienced plant operators had received professional preparation and training during the

start-up period, they quickly familiarised themselves with the new situation. The customer proved to be a competent partner in this project, and so plant start-up and commissioning as well as the performance run could be completed after a short time. The very good results fully came up to the customer's expectations and add to the success of the project. Once all project phases had been completed, the extraction plant was handed over to the satisfied customer.

With the assistance of BMA, the staff of the K tahya  eker Fabrikasi A.S. sugar factory commissioned one raw sugar VKT and one low-raw sugar VKT with ancillary equipment at the beginning of October 2012. Since the campaign had already started the previous week, there were no more major fluctuations or interruptions. Within a period of just two days, the VKTs were completely handed over to the factory staff in an optimised state. After that, BMA's commissioning staff only had to acquaint the plant operators with details of VKT operation, and could then turn their attention to the peripheral equipment.

Also awaiting commissioning was a vertical OVC cooling crystalliser that BMA had delivered to a German sugar factory some 20 years ago, and which was now put into service at K tahya

*Extraction plant
at the Kesinkili 
sugar factory*



with optimised instrumentation and control parameters. The massecuite temperature and also the purity of the molasses soon started to drop continuously. Thanks to the optimised control parameters, the formation of fine crystals, which is the result of an excessive temperature difference between massecuite and cooling water, could be avoided. In the end, the low-raw VKT and the OVC worked together in an excellent manner, and commissioning of the VKT and the OVC could be completed to the customer's absolute satisfaction, which was not least due to the excellent collaboration between those involved in this project.

*Thomas Freier
Jörg Schmidt*

- Very small footprint
- Uniform and low steam consumption
- Outdoor installation possible
- Low staffing level
- High level of automation possible

*VKT, an impressive
sight – not only at night*

