

Engineering order from Australia



Sugar Australia's sugar refinery at Yarraville, a district of Melbourne, is planning to re-design the low-raw sugar station. Due to its advanced age, the existing equipment is no longer in good mechanical order. Moreover, Sugar Australia is aiming to further optimise the process and achieve sugar-free condenser water.

Sugar Australia has therefore placed an order with BMA for the basic engineering of the crystallisation station. The order includes the following services:

- Layout concept
- Definition of equipment
- Piping and instrumentation diagram
- Control concept
- Basic services for electrical and instrumentation equipment

*View of Melbourne from
the roof of the sugar refinery*



This engineering project involves a number of particular challenges: Due to the low mass flow, the different magmata from the low-raw sugar station are to be processed in a single line consisting of a feed solution tank, vacuum pan, strike receiver and centrifugals. In addition to magmata processing, two additional media (sweet water and dark liquor) are to be concentrated batchwise from time to time. In order to prevent a mixing of the media, the equipment and pipelines must be optimally cleaned before a media change.

In detailed, very interesting and constructive discussions on site, by e-mail or telephone, optimal solutions for these demanding challenges could be found.

Steffen Kaufmann

Benefits

- Individual engineering
- Close contact with the customer
- Optimal solutions tailored to the customer's requirements