

New calandria for falling-film evaporator



In February 2010, our long-term customer Cosumar contacted us about replacing the calandria in the sugar refinery evaporator of one of our competitors. Since several heating tubes had been pulled out, a significant amount of heating steam was able to flow from the calandria into the vapour chest. This considerably increased the steam requirements in the refinery.

In view of the short time available, it was not possible to fit additional supporting plates, and the customer did not want the heating tubes to be welded into place either, as they would in that case be impossible to remove again at a later stage without damaging the tube plate.

Early in March 2010, BMA was given the commission to deliver the calandria.

With a mere two-week period available during the holiday break in August for replacing the calandria, we had to give very careful thought to the feasibility of this project, but it was a challenge we gladly took. In order to gain additional time on site for disassembly and assembly, it had been decided that heating tube expansion rolling, too, should take place in BMA's workshop in Braunschweig. By mid-July, all work on the calandria had been completed, and shipment to Morocco could start. Thanks to the excellent preparations and coordination among all companies in Germany

and Morocco that were involved in the project, and since all deadlines for disassembly and assembly, and for finalising jobs, like fitting the pipelines and instrumentation, were fully met, the project could be completed within the scheduled period.

Since it was commissioned in August 2010, the evaporator has been operating with great success.

Steffen Kaufmann

Benefits

- Services and supplies tailored to suit the customer's specific needs
- Intensive and detailed coordination of all contracted services

