

# New control unit for OVC cooling crystalliser

The team at BMA Schaltanlagen has developed a new product by integrating two OVCs into one joint control unit. The unit will be operated using two identical operator panels. As requested by the customer, a sturdy, easy and clear operation by means of buttons and signal lamps has been implemented. The control unit used is a Siemens Simatic-S7, 313C-2DP, which is connected to the process control system by means of an Ethernet communications processor CP 343, as well as a Scalence Ethernet switch.

The motor currents are measured and monitored by Siemens Simocode modules, which are being used for the first time in our OVC control units, and are connected via Profibus DP. When using Simocode modules, it is possible to reduce the number of PLC modules in some cases, depending on the application.

- Sturdy, simple and clear operation
- All signals accumulate at the control room
- Spare parts available worldwide

## **Rotary valve control unit for the first time with Allen Bradley PLC**

In order to fulfil our customers' requests concerning the use of Allen Bradley control units, the team at BMA Schaltanlagen has developed a control unit for rotary valves, which exclusively uses Allen Bradley PLC components. As PLC, the Allen Bradley Compact Logix 1796 was used, with Ethernet connection for control systems as well as digital and analogue modules.

Thanks to the quick Ethernet connection to the process control system, all measured values, signals and other plant parameters are available in the control room in split seconds, and the operator is constantly shown the current plant status.

Operation/visualisation of the control unit is performed directly at the control cabinet using a menu-driven Allen Bradley PanelView-Plus-Key/Touch. Special emphasis was put on implementing clear menu guidance on the touch panel. The new rotary valve control unit will be used for the first time for the CSD rotary valves.

Yet again, the new products described above are complete one-stop solutions in the field of automation technology, including hardware design, software development, switchgear construction and commissioning.

*Wilfried Rother*



*Allen Bradley control unit  
for rotary valves*



*S7 control unit with  
Simocode for OVC*

### **Benefits**

- Compact design
- Easy to operate
- Connection to the process control system