

Modernisation of the centrifugal and boiler systems in the production of sugar and alcohol

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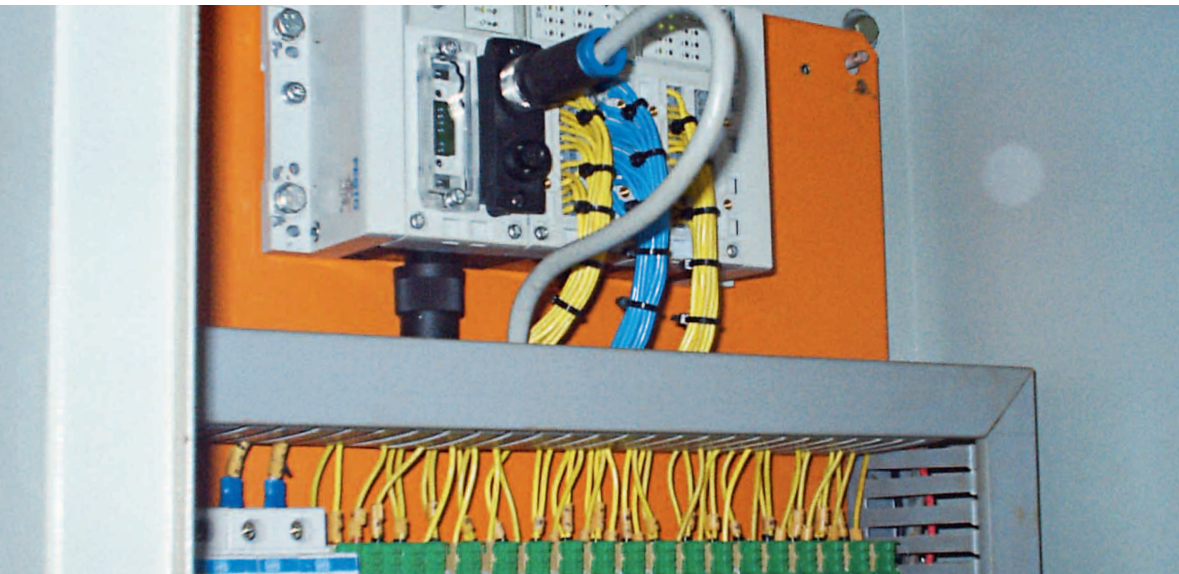
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Customer information

The main business activity of the João Lyra Group in Brazil is, among other things, the production of sugar and alcohol. "Vale do Paranaíba" is part of the group and is considered to be one of the most modern plants in its sector in the country.

The plant processes more than 1.5 million sacks of sugar and 60 million litres of alcohol per year.

Task

The plant is completely automated. The centrifugal and boiler systems needed to be modernised in order to:

Centrifuge:

- 1 wash the sugar and clean the baskets
- 2 discharge the residual materials

Boilers:

- 1 supply water and discharge condensates
- 2 clean the ash compartments and discharge the residual materials

Solution

The solution presented by Festo had a number of advantages and thus the following products were installed:

- Valve terminals CPX/MPA
- Ball valves VAPB-...-CR
- Pneumatic actuators DRD and cylinders DNC
- Limit switches DAPZ
- Sensors SIED
- Tubing and accessories



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