

WWTP V.O.G, La Verna, Ecublens, sludge treatment

Complete control replacement in 48 hours

The La Verna wastewater treatment plant in Ecublens FR has already completed several modernization phases during its almost 30-year collaboration with Stebatec. After this long period of trustful cooperation, the next major project is pending; the expansion of the sewage treatment plant from 22,500 population equivalents (PE) to **50,000 PE**.

To replace a control system in the ongoing clarification operation requires meticulous planning, extensive preparatory measures and, ultimately, great commitment during the effective conversion phase. This was also the case during the partial conversion project for the sludge drying where Stebatec was responsible for the electrical planning, the switch cabinet construction, the software programming, the on-site reconstruction measures up to the commissioning.



Picture 1: View after the modification of the sludge drying control system.

Information about the project

The sludge drying was rebuilt by Andritz and STEBATEC within 48 hours. The new switch cabinet was delivered to Stebatec early in the morning and completely replaced within 10 hours. Included was the building automation, the electrical installation, as well as the control of the centrifuge and the control of the supply and discharge of the sludge.

Power supply / dimensioning control cabinet: 250A

Centrifuge power: 37kW & 7.5kW

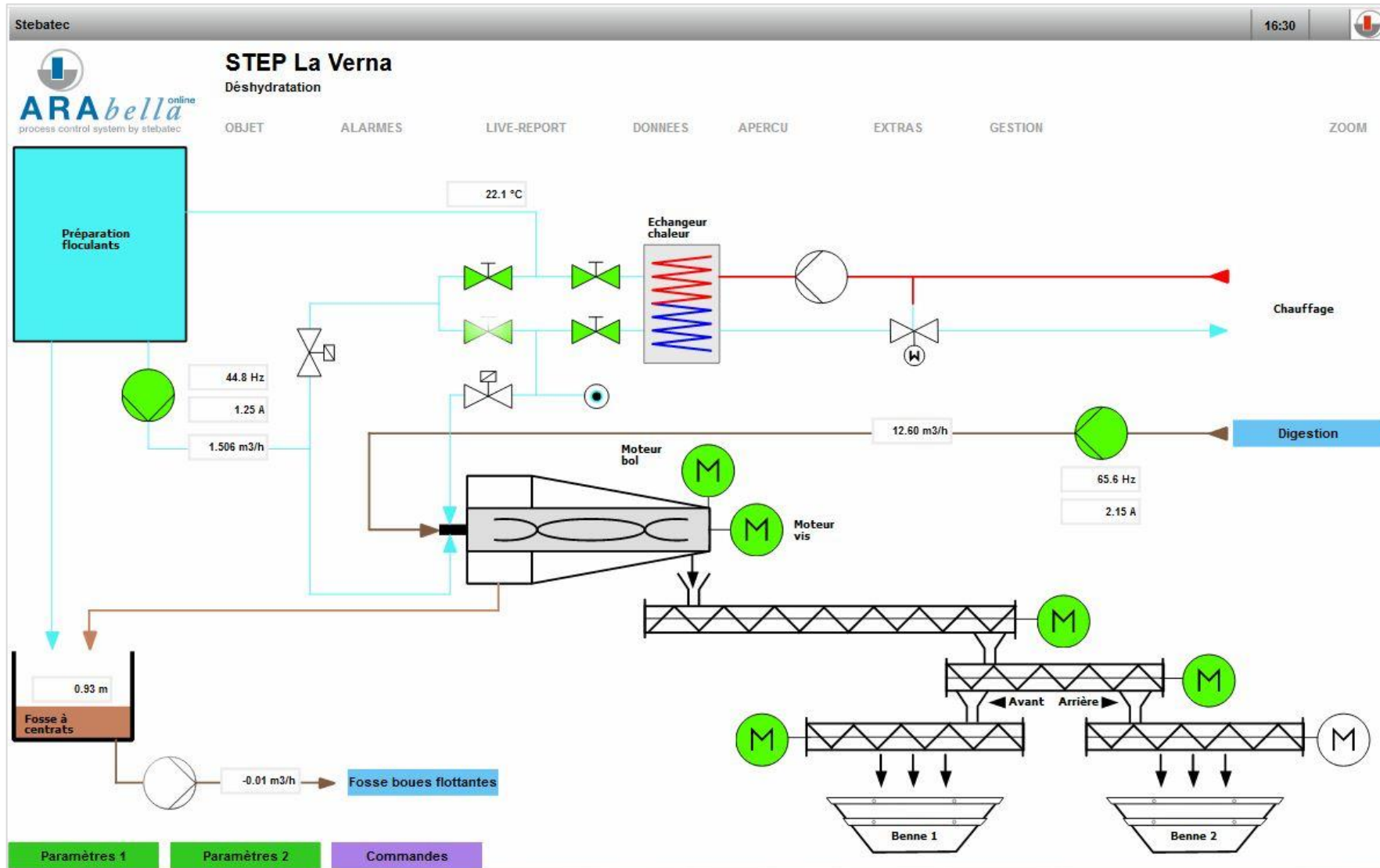
Control of 17 motors, 16 measurements, 3 valves

Scope of delivery Stebatec:

- Complete electrical planning
- Manufacturing and delivery of switchgear
- Electrical installations and complete conversion measures
- PLC programming for the control of all aggregates and
- Centrifuge control integration
- Process visualization on the local control system ARAbella
- Alarming
- Commissioning with the company Andritz



Picture 2 und 3: The old control cabinet has been replaced. Stebatec was responsible for the planning, conversion, control and commissioning - the corresponding Stebatec specialists were therefore on site on the day of conversion.



Picture 4: The wastewater treatment plant La Verna in Ecublens has been cooperating with Stebatec as an automation company for almost 30 years. Stebatec's ARabella process control system offers optimum comfort, overview and reliability.