

Plantware

CMC Biologics A/S

Background

Although CMC Biologics were only founded in the year 2000, they had already gained sufficient economic strength to build a factory in Søborg in 2002. The factory construction was carried out by MT Højgaard A/S in association with GEA Liquid Processing Scandinavia A/S who acted as construction management for the 'clean utility' package.



PlantWare have had the overall responsibility for space management, plant layout and coordination, detail engineering of both process and installation in this project.

Building Utilities

PlantWare have completed all the layout and detail projection of the installation including

- Steam and condensate
- Heating
- Fresh water
- HVAC
- Drains and waste water
- Cooling (3 systems)

Furthermore PlantWare arranged the boiler room and central for heating distribution. In addition to this, PlantWare completed project coordination for MT Højgaard, and during the construction period we had a site coordinator with the 3D model of the plant to help with daily progress on site.



Plantware

CMC Biologics A/S

Process Installations

PlantWare have made both the layout and detail projection of all the plant's installations, including

- Clean steam
- WFI distribution (highly purified water)
- Acid/alkali, technical
- Acid/alkali, pharmaceutical
- Gasses, technical
- Nitrogen - liquid and gas
- Kill collection
- Kill- and neutralisation installation
- Buffer distribution
- Ethanol/Methanol recovery
- Ethanol distribution
- Methanol distribution
- CIP
- PW-distribution (purified water)
- Compressed air

Also the fitting of kill rooms, storage areas for solvents, (solvent recovery), CIP etc. PlantWare has completed all air foil engineering and coordination for GEA Liquid Processing Scandinavia A/S.

Buffer Preparation

PlantWare have completed the designs for buffer preparation from conceptual stage, via flow diagrams (PFD) to PI diagrams and detailed mechanical design. Fabrication drawing for support, tanks and pipe isometrics was created from the 3D AVEVA PDMS model. The construction was based on pre-fabrication of pipe spools.



Production and Laboratory Facilities

PlantWare made basic engineering plus a suggested plan for equipping of the production and laboratory compounds placing utilities and other necessary media (compressed air, gas, water etc.) including electrical distribution (normal, UPS, etc.), LAF-work areas, HVAC, electrical and other laboratory equipment.

Contact



Christian Pallesen (CP)

CP was the project manager for PlantWare A/S, and oversaw the detail projection and overall coordination of installations for MT Højgaard, GEA and B&K, as well as basic and detail design of CMC's buffer preparation plant. CP can be contacted at:

Phone +45 4547 5105
Mobile +45 2526 8805
Email cp@plantware.dk