Cleanroom solutions

STERILE CONTAINER MANUFACTURING FACILITY

CLIENT CASE STUDY

THE CLIENT

CELLON – providers of products and services to the vaccine production and bioprocessing industries. Specialists in cell culture processes and the storage and transport of sterile liquids.

THE STORY

The cleanroom was built in a new building – the room fabric consisted of a metal cleanroom partition system, epoxy floor, walk-on ceiling c/w lighting and a fully equipped changing room.

The facility was designed as class 7 turbulent flow with localised class 5 laminar flow canopies fitted above the process machines and conveyors. The canopies enabled the product to be manufactured and transported in class 5 conditions before entering the cleanroom.

Cell Culture Processes

Class 7

190m²

£250k
Project Value

Luxembourg

Services included hand washing facilities and small power fitted in dado trunking. Air conditioning comprised a horizontal air handling unit with chilled water cooling, electric heating and resistive-type humidifier to give temperature and humidity control in the room.

The rooms operate with a positive pressure to prevent the ingress of contamination from the surrounding area.

A series of air-shower airlocks were fitted to enable materials and components to be cleaned before moving into the room. The airlocks and changing room were fitted with electromagnetic locks interlocked to prevent both doors being opened at the same time.

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"...such clear dedication at the forefront of their business"

The project was completed on time and on budget. Manfred Duchene, Facilities Director for Cellon, said: "Designing and building a cleanroom to the international accepted standards is a job many specialised companies can do, but rarely have I encountered a company who puts advice, consultation, expertise and customer satisfaction with such clear dedication at the forefront of their business as Cleanroom Solutions."

Manfred Duchene
Facilities Director

CELLON
Revolutions in Cell & Tissue Culture

Guardtech group

CLIENT CASE STUDY

MANUFACTURING FACILITY

Cleanroom solutions

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THE RESULT

The project was completed on time and on budget. Manfred Duchene, Facilities Director for Cellon, said: "Designing and building a cleanroom to the international accepted standards is a job many specialised companies can do, but rarely have I encountered a company who puts advice, consultation, expertise and customer satisfaction with such clear dedication at the forefront of their business as Cleanroom Solutions."