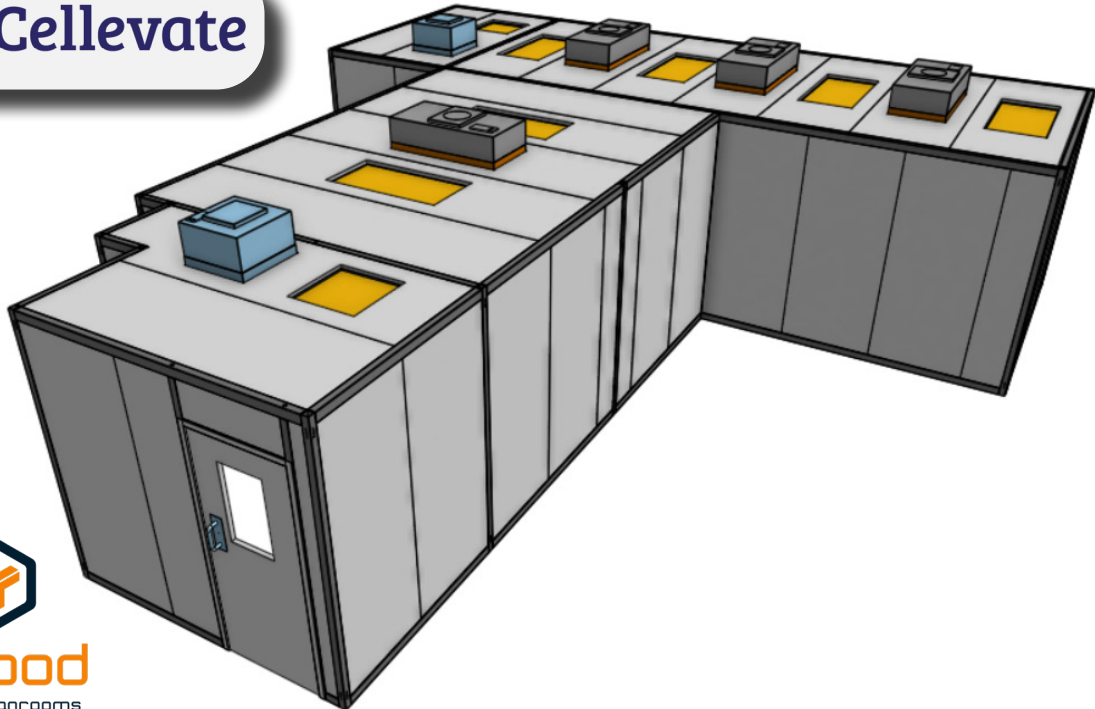


BIOTECH ISOPOD FACILITY

**Isopod**
rapid cleanrooms

THE CLIENT

Cellevate – a Swedish biotech company that develops and markets the next generation cell culture products for cell and gene therapy and novel vaccines biomanufacturing. The core nanotechnology, Cellevat3d is a game-changing, green and sustainable, deep-tech innovation tailored for the biopharmaceutical industry. This platform allows for an industrial-scale production of microcarriers – with unparalleled surface cell growth, reproducibility, flexibility, and scalability.

THE BRIEF

Cellevate required a more rapid, cost-effective cleanroom solution than the traditional modular system they had planned when Guardtech Nordic AB first engaged with them. Work had tentatively commenced on a system, so the Isopod Design Team utilised the existing modular panel framework to develop a freestanding stainless steel frame pod system that would allow the flexibility to revert to a traditional system in the future.



Biotechnology

Temperature &
Humidity: CNC

50m²

**Lund, Sweden**

If you're based in the Nordics or Baltics and would like to discuss your Isopod enquiry, email sales@guardtech.com

"A remarkable, versatile cleanroom solution..."

Guardtech Nordic AB said: "Thank you to the Isopod team for your support in helping to provide an elite cleanroom solution when a more traditional modular system was no longer an option."

"Isopod Rapid Cleanrooms are an ideal solution for clients in the Nordics & Baltics territories, as Guardtech Nordic AB can provide world-class UK-made cleanroom facilities at a cost-effective pricepoint in rapid time. Plus, with Isopods, there's no need to modify the host building in any way that the cleanroom pod sits within. A truly remarkable, versatile cleanroom solution."

Guardtech Nordic

**Guardtech**
nordic AB

BIOTECH ISOPOD SHELL



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THE TECH SPECS

A controlled environment designed, installed, cleaned and commissioned by Guardtech built to the following specification:

◆ **Structural:** Grade 304 stainless steel 60 x 60mm Box Section frame, GT Shell Lite 50mm PIR insulated powder-coated modular composite wall panels, GT Lid Plus Kingspan 50mm insulated tongue-and-groove ceiling panel system, GT Access Plus Kingspan single doors with vision panels, GT Deck Plus vinyl flooring system.

◆ **Electrical:** GT Lux Lite LED lighting panels flush-mounted in ceiling panel achieving 500 lux, emergency light, 10amp double power outlets, CAT6A data sockets embedded in PVC trunking, 16amp power socket, electro-magnetic door interlocks.

◆ **Mechanical:** GT Flow Plus Fan Filter Units (FFUs) with H14 HEPA filters achieving up to 60 air changes per hour, DI water piping.

THE CHALLENGES

Cost-effective modular solution:

The client had originally planned to install a traditional modular cleanroom in their host building, but they had to pivot from that plan for a variety of reasons. In true Guardtech

style, rather than simply abandon the project, we came up with a more cost-effective Isopod Rapid Cleanroom solution that would mean the client could still get an elite modular cleanroom solution on a reduced budget that would be future-proofed for simple expansion or modification at a later stage.

Continued on next page





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Great timing: The Guardtech Group International Installation Team worked brilliantly to ensure the project was completed on time – with particularly high praise reserved for the electricians who really do work wonders to install and test all the necessary components to run the bespoke clean-room pod system.

THE RESULT

Guardtech Nordic AB said:
"Thank you to the Isopod team
for your support in helping
to provide an elite cleanroom
solution when a more traditional
modular system was no longer
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"Isopod Rapid Cleanrooms are an ideal solution for clients in the Nordics & Baltics territories, as Guardtech Nordic AB can provide world-class UK-made cleanroom facilities at a cost-effective pricepoint in rapid time. Plus, with Isopods, there's no need to modify the host building in any way that the cleanroom pod sits within. A truly remarkable, versatile cleanroom solution."

