

CASE STUDY

Elevating CGT Catapult with a New EMS Standard

MAIN CONTRACTOR: MERIT

CLIENT: CELL AND GENE THERAPY CATAPULT

PRODUCT: ENVIGIL-V EMS



PHARMAGRAPH
Pharmaceutical Monitoring Systems

I The Challenge

Pharmagraph had already partnered with Merit for several projects when we were hired to support the Cell and Gene Therapy Catapult project, a first-floor addition to an existing building already running four separate Pharmagraph monitoring systems used by existing collaborators.

In this project, Pharmagraph were tasked with the design, installation, commissioning,

and validation of a GMP Environmental Monitoring System. The system would be responsible for vigilantly monitoring environmental parameters within the Cleanroom modules, including temperature, humidity, and pressures. Functionalities such as issuing alarms, analysing trends, and reporting critical data were paramount to the client.

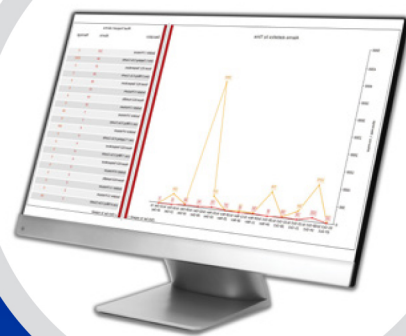


Pharmagraph's Approach

Pharmagraph were involved from the early stage of the project, which allowed us to design a bespoke solution that would cover all CGT Catapult's needs and compliance requirements.

Comprising six modular clean rooms, our solution was tailored for individual collaborators. Its unique design enables the EMS to log manufacturing data from each module. Yet, the brilliance lies in its privacy feature: access to data is restricted within each respective room.

Additionally, a view node was integrated for real-time data visualisation and acknowledging alarms, enhancing operational efficiency and responsiveness.



Each module was equipped with:

- 15 DP sensors
- 5 Temp/RH sensors
- 3 beacon stacks featuring local muting capabilities



I The Outcomes

Thanks to the modular and highly adaptable nature of enVigil, we could customise the solution to meet our client's specific needs. Moreover, with a large EMS team, Pharmagraph had the flexibility to accommodate scheduling requirements seamlessly.



Project completed on time and against a tight time schedule.



Fully compliant and validated system.



First system to incorporate custom trends and the new dashboard mimics.



New standard in functionality and user experience.

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Pharmagraph has supported a number of Merit's projects. They have always been professional, knowledgeable and proactive in supporting the delivery of high profile, time critical projects such as the expansion phase for Cell and Gene Therapy Catapult.

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MARKETING AND BIDS
DIRECTOR, MERIT

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