

Large Scale Cell Therapy Manufacturing Centre

Growing a UK Cell Therapy Industry Delivering Health & Wealth

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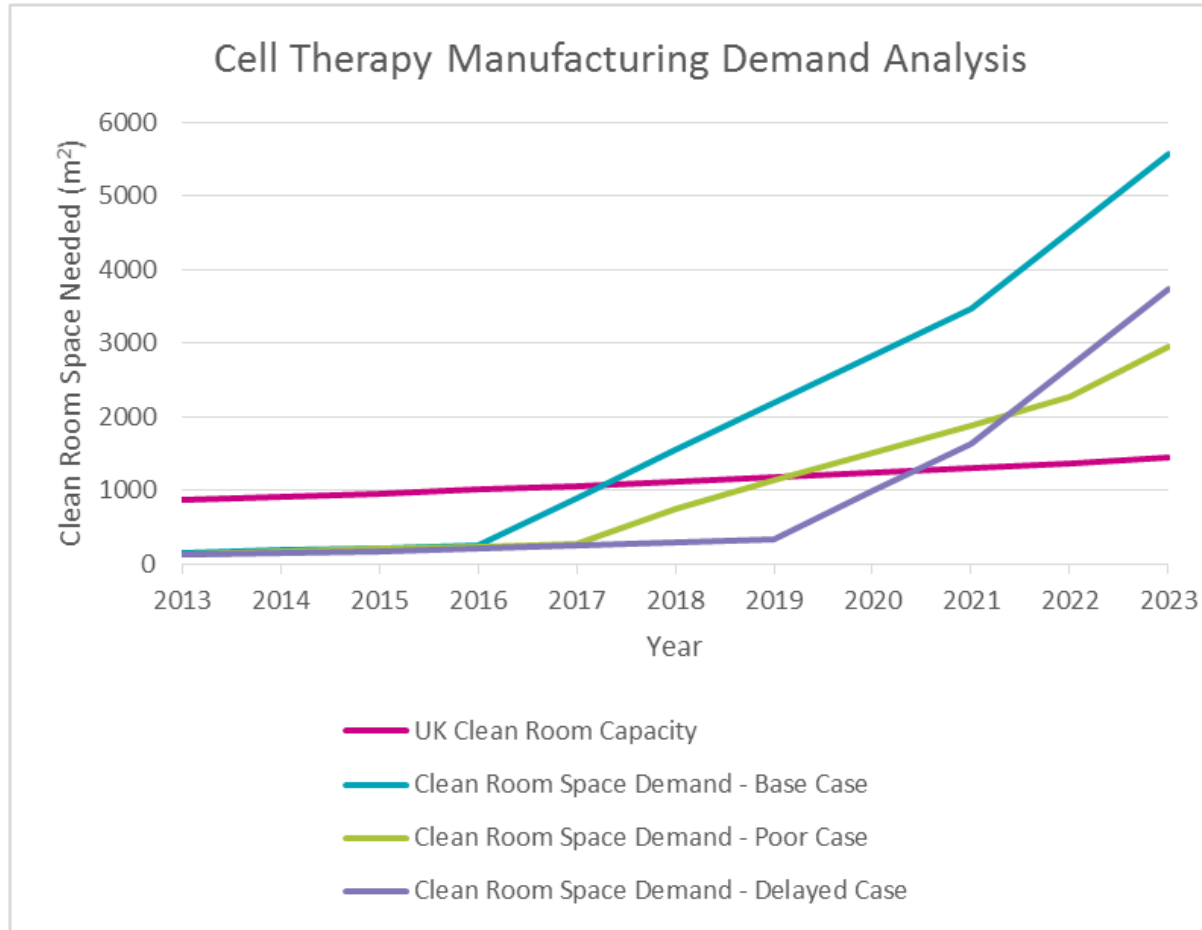


Catapult is a Technology Strategy Board programme

Current UK Manufacturing Situation

- The UK has a strong research base in the area of cell therapies
- Network of early phase and small-scale manufacturing facilities setup to **enable Phase I / II trials**
 - 21 currently licensed
 - Total capacity of 1000m²; 22 Grade B rooms, 10 Grade C rooms and 17 suites with Isolators
 - 90 full time staff, 39 part time employed in the UK
 - Good capability
- Located in the **NHS** or **academia** or **not for profit**
- **Small-scale** and cannot support **large late stage trials** or **commercial manufacture**

Demand forecast



The Investment

The investment by the UK Government is **£55m** over 5 years

- Recommended by House of Lords
- Recommended by Medicines Manufacturing Industry Partnership
- Capital
- Revenue
 - Start up and initial operating costs
 - Supporting TSB programmes

Operating Model

- **Facilitate growth of industry**
- **‘Manufacturing hotel’** allowing CMOs **and** product development companies enable the manufacture **at large scale**
- Access large scale infrastructure without the capital outlay
- 5000m² **Flexible/modular** space
- Operated as a subsidiary of Cell Therapy Catapult sharing corporate services

Developing and Delivering the Plan

Location

- Property agent to seek /filter locations
- Establish Industry panel to advise CTC
- Location/Building to Meet User Requirements Brief

Execution

- Design/ procure/ deliver
- Dedicated focussed resources



Draft User Requirement Brief

-Finalise and publish

- Size and value for money
 - Shell fit out vs. new build
- Design Philosophy/ Conceptual design
 - Processes Enclosed/Non enclosed
 - Autologous /Allogeneic
 - Cell based gene therapies
 - Flexible replicable manufacturing pods
- Logistics
 - Ability to supply time critical products to EU markets
 - Resilience of supply
 - Supply chain
- Workforce
- Client access and expansion
- Catapult support and operability



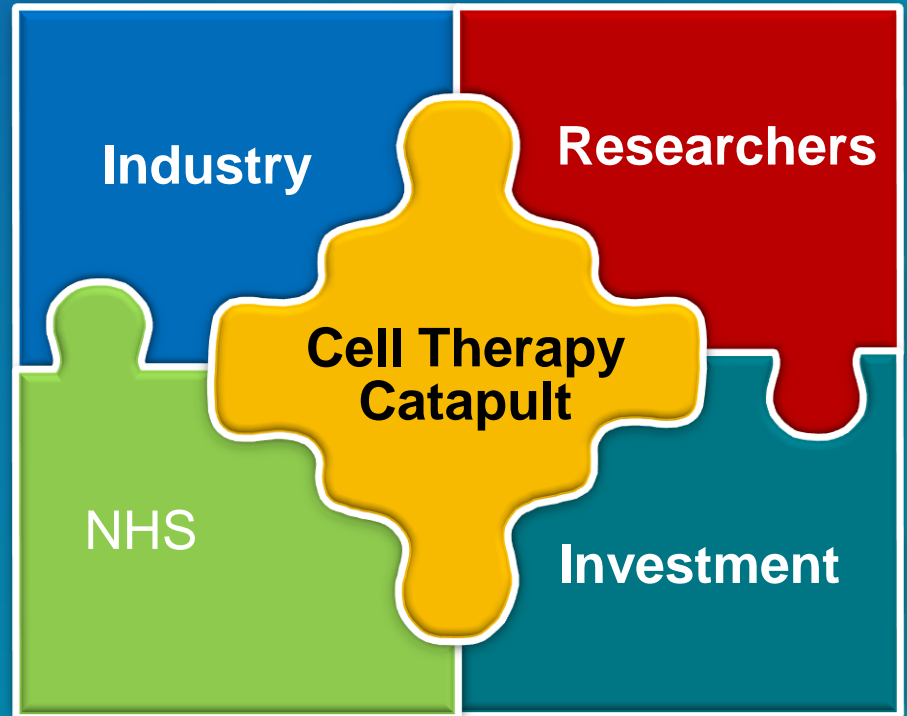
Contacting the Cell Therapy Catapult

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Cell Therapy