

Catapult (start date)	CEO	What it does and how it does it
Cell and Gene Therapy (CGT) (Oct 2012)	Matthew Durdy Chair of CEO Catapult Network	<p>The Cell &amp; Gene Therapy Catapult was established in 2012. The Catapult develops the Cell and Gene Therapy Industry in the UK, working together with academia and industry ensuring life-changing therapies can be used in health services throughout the world.</p> <p>With 330 experts across sites in London, Stevenage and Braintree, it offers leading-edge capability, technology and innovation to enable companies to take products into clinical trials and provide clinical, process development, manufacturing, regulatory, health economics and market access expertise. The Catapult coordinates national programmes including the Advanced Therapies Treatment Centres (ATTC), the Advanced Therapies Apprenticeship Community (ATAC) and Advanced Therapies Skills Training Network (ATSTN) to provide a skilled workforce and facilitate clinical adoption of these therapies into the NHS.</p> <p>Their CGT Manufacturing Centre in Stevenage supports the development of new, large-scale manufacturing systems and capabilities, helping businesses bring cell and gene therapies to the market. The centre has been able to attract a range of tenants from large multi-national pharmaceutical companies to UK-based SME's.</p>
Connected Places created by merger in April 2019 of Future cities (June 13) and Transport Systems (Aug 13)	Nicola Yates OBE	<p>Connected Places Catapult is the UK's innovation accelerator for cities, transport and place leadership. Their focus is helping businesses grow by connecting them to the market, accelerating commercialisation, and driving innovations in mobility services, logistics, the built environment and placemaking. Through this, the aim is to drive the net zero transition and boost local prosperity through improved physical, digital and social connectedness.</p> <p>Since April 2019, 126 different academics have worked with Connected Places Catapult on projects accelerating research towards commercialisation. Their portfolio delivers 150 collaborative innovation projects a year across multiple locations in the UK.</p> <p>While Connected Places Catapult's main offices are in London and Milton Keynes (with additional locations in Leeds and Glasgow), they are active across the country through demonstrators and projects across Manchester, Morecambe, Sunderland, Southampton, Liverpool, Birmingham and Leeds.</p>

Compound Semiconductor Applications (Jan 16)	Martin McHugh	Their vision is for the UK to become a global leader in developing and commercialising new applications for compound semiconductors. Through developing semi-conductors and their applications, they aim to de-risk and accelerate innovation, providing access to expertise, equipment, tools and convening supply chains. They have five key areas of application which are: healthcare; digital economy; energy; transport; and defence and security. Based in South Wales. They work with 400 companies that design and manufacture electronic systems clustered around leading universities.
Digital (June 13)	Dr Jeremy Silver	<p>Digital Catapult fosters and builds UK leadership in the supply side of new technologies, helping to connect innovators to traditional industry and stimulate investment from the private sector – where there are market and capability failures to their adoption and innovation.</p> <p>They utilise technical and industry expertise to accelerate the testing, exploration and commercialisation of products and services that can solve real world industry challenges. To achieve this Digital Catapult builds, manages and provides access to state of the art facilities and testbeds, designs and delivers specialised innovation programmes, and builds market confidence in advanced technologies through R&amp;D projects that test new business models and demonstrate value through proof of concepts. Through these activities, Digital Catapult helps start-ups to scale and industry to adopt, creating new private investment and building customer pipelines in sectors and regions in the UK that these advanced technology start-ups may otherwise not have considered.</p> <p>Examples of such facilities include:</p> <ul style="list-style-type: none"> <li>• Advanced 5G testbeds and programmes (part of their work with DCMS)</li> <li>• Machine Intelligence Garage which supports AI start-ups and scaleups via access to hardware and computation</li> <li>• Made Smarter Digital Supply Chains Innovation Hub which looks to connect innovators to supply chain challenges</li> </ul> <p>Their Headquarters are in London with local centres in Sunderland and Belfast.</p>
Energy Systems (April 2015)	Philip New	Their mission is to unleash innovation and open new markets to capture the clean growth opportunity. They support companies and government to develop

		<p>products and services within global energy systems covering electricity, heat, and combustible gases.</p> <p>Some examples of their collaborative innovation programmes include:</p> <ul style="list-style-type: none"> <li>• Smart Systems and Heat: the UK's largest smart consumer-focused project running consumer trials of smart energy services and exploring new business models and market structures.</li> <li>• Led the 'Energy Digitalisation Taskforce' (launched in May 2021) to develop a roadmap of digitalisation of the energy sector</li> <li>• Modern Energy Partners: worked with 40 public sector sites to develop and road-test consistent, repeatable approaches for scalable decarbonisation and support the creation of new value chains and local economic growth.</li> </ul> <p>They have hubs in Birmingham and Derby.</p>
<p>High Value Manufacturing (a network of another seven centres) (Oct 11)</p>	<p>Katherine Bennett CBE Vice-Chair of Catapult CEO network</p>	<p>Their strategy is to grow the UK's advanced manufacturing value-add by supporting industry to develop new manufacturing technologies. Their capabilities cover all forms of advanced manufacturing technologies from basic raw materials to high robotics, automation and bio-processing.</p> <p>They provide open access to innovation capability and technical expertise to companies, enabling them to adopt new technologies and improve their performance and delivery.</p> <p>They are the largest and most established of the 9 Catapults. They have 7 centres throughout the UK with the Manufacturing Technology Centre (MTC) based in Coventry being their headquarters.</p> <p>Of the direct public funding issued to Catapults (£1.2bn for the current five-year funding period, running to 31 March 2023), over half is allocated to the HVMC.</p>
<p>Medicines Discovery (April 2015)</p>	<p>Chris Molloy</p>	<p>The Catapult advances the development of new discovery techniques, technologies and patient-centred R&amp;D methods. It achieves this through a partnership model focused on SMEs, service providers, medical charities, national research bodies, academia, clinicians and regulators.</p>

		<p>Contribution to the biotech and service sectors include:</p> <ul style="list-style-type: none"> <li>• Understanding biodistribution of candidate drugs to assess suitability for progressing them into clinical trials</li> <li>• Providing validation of, and access to, cell models that are relevant to human disease enabling assessment of clinical potential of assets</li> <li>• Industrial application of AI-driven R&amp;D platforms to inform drug target selection; selection of biological assays, and drug metabolism prediction</li> </ul> <p>Their Office and laboratories are based in Alderley Park, Cheshire.</p>
<p>Offshore Renewable Energy (March 13)</p>	<p>Andrew Jamieson</p>	<p>The Catapult is a UK wide technology and innovation centre supporting businesses to accelerate the design, deployment and commercialisation of offshore renewable energy, applicable to wind, wave and tidal power.</p> <p>The Catapult provides deep technical expertise and market pathway support alongside large scale plant test capabilities, enabling UK supply chain growth from SMEs to the world's largest companies.</p> <p>Their headquarters are in Glasgow with the National Renewable Energy Centre in Blyth, Northumberland, the main operational facility. Further facilities are located in Fife, East Anglia, West Cornwall, Pembrokeshire, Aberdeen and Shandong Province, China.</p>
<p>Satellite Applications (Dec12)</p>	<p>Stuart Martin</p>	<p>The Catapult enables the global opportunity for satellite applications towards worldwide connectivity and geospatial intelligence. They address this by:</p> <ul style="list-style-type: none"> <li>• Raising awareness and showcase space derived services to unlock customer demand, open new markets, and drive exports.</li> <li>• Support companies in advancing their products to be closer to opportunities in their market programmes by identifying the barriers to entry.</li> <li>• Connect businesses with resources and facilities needed to launch and grow, open new routes to market and attract investment.</li> </ul> <p>They are based at the science innovation and business campus at Harwell in South Oxfordshire. They are also supported by five Regional Centres of Excellence (East Midlands, North East, South West, South Coast and Central Scotland).</p>

