

MIDLANDS ENGINE HEALTH

Focus on MedTech

Medical Technologies Innovation Facility

MIDLANDS
ENGINE



Businesses of all sizes can tap into the world-class offering from the Medical Technologies Innovation Facility (MTIF). This dual-site research and development facility is available to industry and academic institutions to support and accelerate the development of innovative MedTech. MTIF combines outstanding facilities with industry-leading experts, bringing together technical expertise, regulatory know-how, a network of clinical trial facilities and access to both public and private funding.

MTIF's research facility has a unique combination of capabilities to support the design, development and registration of innovative medical devices and in-vitro diagnostics. Bringing together academic expertise from both the Nottingham Universities and a team of experienced industrial practitioners produces an exciting ecosystem that accelerates the development of products from bench to bedside. Partnerships with the Anthony Nolan Trust, Hamamatsu and Quantum Design provide clients with access to industry-leading expertise and equipment. The research centre is currently supporting companies to design and develop products in numerous exciting areas such as cell therapy, diagnostics using nanofabricated microfluidics, smart textiles and implantable medical devices.

The development centre based on the Boots Nottingham Enterprise Zone has a suite of clean rooms and laboratories validated to ISO and GMP standards and provides organisations access to these validated spaces as they need it. This "easy in, easy out" access means that companies don't need to invest their hard-won funds in capital buildings that they will use infrequently. Companies are using the clean room facilities at both centres to manufacture regenerative medicines, in-vitro diagnostics and interventional medical devices for clinical trials and initial launch quantities. Our blend of experienced industrialists and academics provides the perfect mix of capabilities to translate ideas into products, navigating the ever-growing complexity of the international regulatory environment to secure product licences in the UK, EU, USA and beyond.

MTIF is a partnership between the Nottingham Universities, Nottingham University Hospitals, University Hospitals of Derby and Burton, East Midlands Academic Health Science Network, Medilink, BioCity and CHEATA. That provides a great network for companies to take their innovative technologies all the way from an idea to a marketable product available to patients. Organisations can also access the expertise of the partnership network as they need it, to fill gaps in the development pathway or propel them to the next round of investment.



Professor Mike Hannay, MTIF Managing Director

"MTIF provides a unique partnership that supports organisations to take their products from bench to bedside, accessing the unique capabilities of the Midlands Health region. As a region with a rich history in the design, development and manufacture of medicines and medical devices, this is a thriving ecosystem and a great place to bring innovative treatments to patients faster and more efficiently. Our combined expertise can help turn ideas into products."