

Introduction to the Graphene Engineering Innovation Centre: Capabilities and Case Studies

Dr. Andrew J. Strudwick

Graphene Engineering Innovation Centre (GEIC), The University of Manchester, Oxford Rd,
Manchester M13 9PL

andrew.Strudwick@manchester.ac.uk

Abstract

The Graphene Engineering Innovation Centre (GEIC) at The University of Manchester, helps companies develop and launch new technologies, products and processes that exploit the remarkable properties of graphene and other 2D materials.

The GEIC's world-class facilities and resources, located in the Masdar Building, are supported by experienced and knowledgeable applications engineers and internationally renowned academics, working across a broad range of novel technologies and applications. Together, we can help you design, develop, scale and launch the next generation of innovative products and processes.

This talk will cover: (i) the facilities available at the GEIC (ii) the innovation model that underpins our core activities (iii) the options available for engaging with the GEIC and (iv) case studies which will highlight how our working practices help companies to develop graphene and 2D material based solutions to problems existing across a wide range of application areas. The research activities in the GEIC cover a broad spectrum, from composite materials, energy storage devices, fuel cell technologies, construction materials, advanced coatings and sensor technologies to name just a few.

GEIC has engagement options that allows collaborative research projects to be carried out with industrial partners ranging from small/medium enterprises (SMEs) all the way through to multinational companies. With a portfolio of over 500 completed projects to date, the team at the GEIC are highly skilled and focussed on delivering research to meet the needs of our partners.