

**Professor Nick Colosimo PgC BSc(Hons) CEng MIET FIKE**  
**BAE Systems Global Engineering Fellow**  
**Technologist – Disruptive Capabilities**  
**Executive Manager, Strategy & Planning – Future Capabilities**

Nick started with BAE Systems (then British Aerospace) in 1990 as a technical apprentice. Over the past 26 years a large proportion of Nick's career has been within a research and development engineering environment where he has been instrumental in the research, development and demonstration of a number of state-of-the-art technologies achieving company, UK and World firsts.

He has worked on a wide range of projects including leading the development of the BAE Systems Surrogate Unmanned Air Vehicle (the Jetstream Flying Test Bed) with Cranfield University and conducting a wide range of sensing, communications, and 'autonomous systems' demonstrations. In 2013 he led the BAE Systems Future Mission Systems collaborative research programme that created a World leading augmented (or mixed) reality solution applicable to future command centres and combat aircraft cockpits.

Studying on a part-time basis he has acquired graduate qualifications in; Mechanical & Production Engineering, Mechatronics, Applied Physics & Electronics (joint honours), and post graduate qualifications in Computing and Avionics. He is now a Visiting Professor at Cranfield University within the Aerospace, Transport and Manufacturing School.

Within his current BAE Systems role, Nick provides strategy and planning for Future Capabilities and is also a Technologist for Disruptive Capabilities. This latter part of his role involves horizon scanning to identify and nurture technologies that could be disruptive or transformative to defence. To this end he is collaborating with a number of UK Universities including the University of Oxford (Quantum Computing), Cranfield University (Autonomous Systems), and the University of Glasgow (Chemputing).

Nick is a BAE Systems Global Engineering Fellow, a Chartered Engineer with The Institution of Engineering and Technology (IET), and a Fellow of the Institute of Innovation and Knowledge Exchange. Nick is principally an engineering innovator and to this end he has filed circa 40 patents in the past two years including; cyber resilient system architectures, mixed and augmented reality, a novel multi-function laser system for defence, and a revolutionary new class of air vehicle.

In his spare time he reads about the latest developments in Science, Technology and Engineering and advises his younger brother, a developer and founder of some of the World's first and most innovative applications of the "Bitcoin" 'blockchain' technology.

