

SYNTHESYS RESEARCH

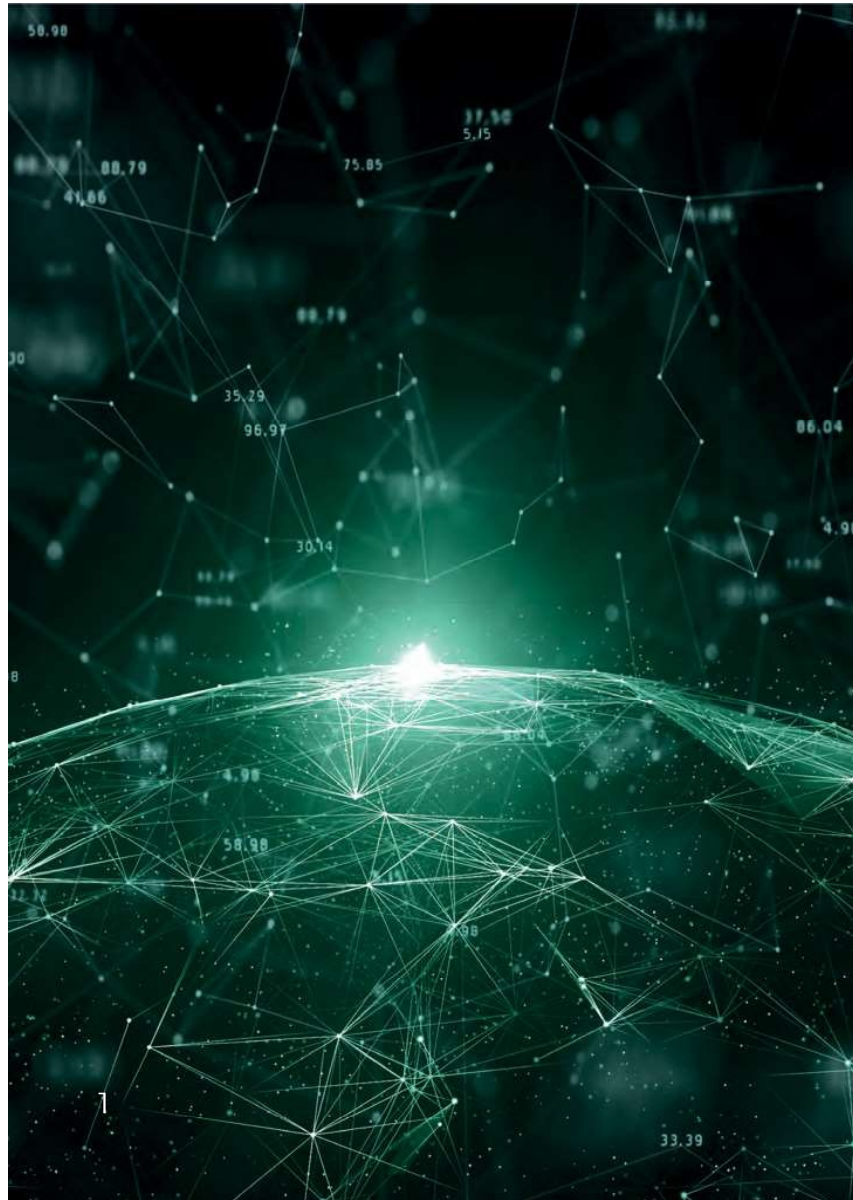
SERVICE OFFERING & VALUE PACK



A CHANGING LANDSCAPE

Competitive pressures to bring products to market faster, slash development costs, maintain quality standards and counter competitor innovations are forcing organisations to change fundamentally the way their engineering teams work.

To cope with rising product complexity and significant amounts of data, modern development teams must improve existing methods of working whilst embracing new processes and technologies to maintain a competitive edge.

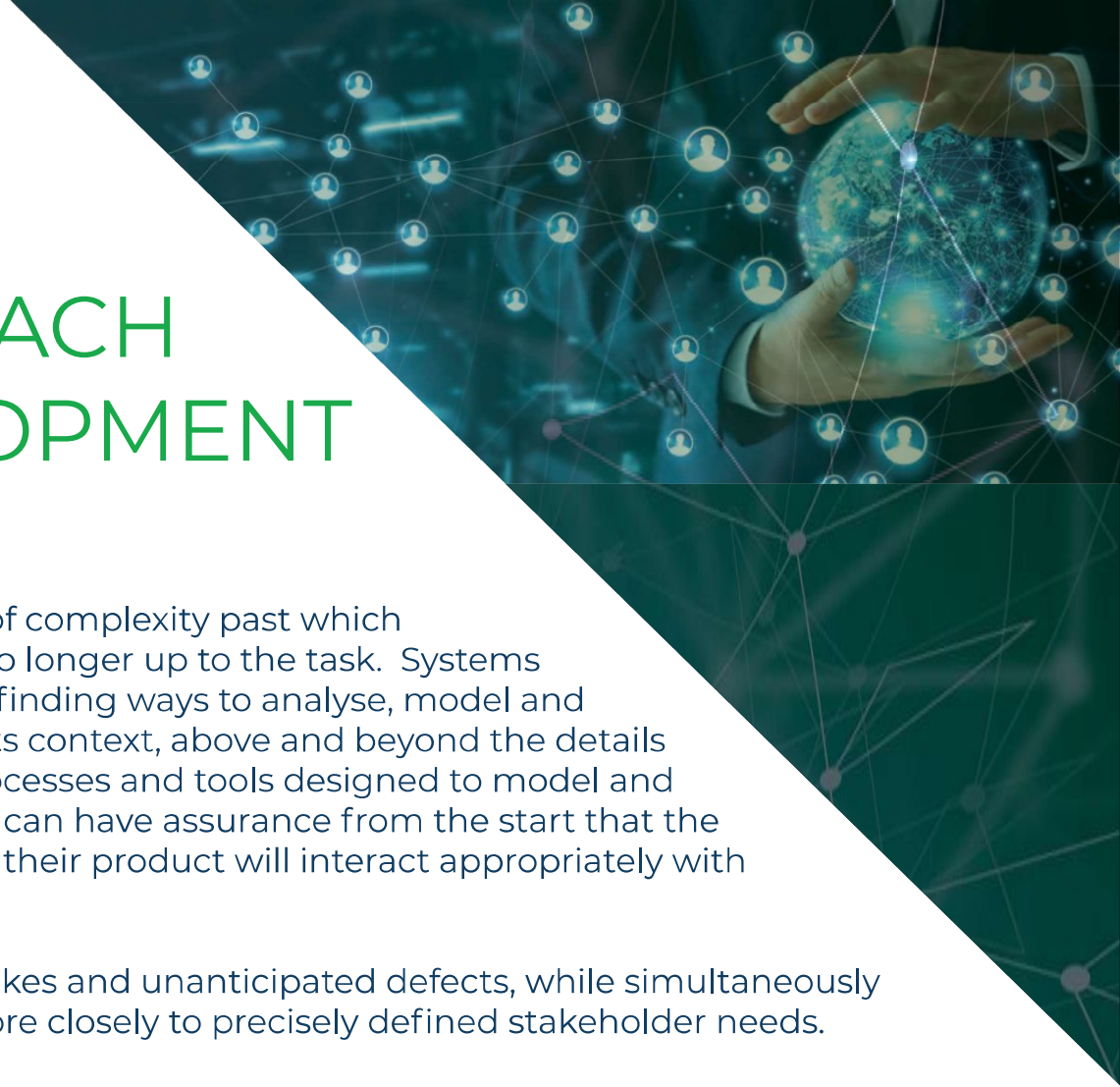


A HOLISTIC APPROACH TO SYSTEM DEVELOPMENT & MANAGEMENT

Many industries have now reached the threshold of complexity past which traditional methods of project management are no longer up to the task. Systems engineering techniques are fundamentally about finding ways to analyse, model and plan the behaviour of a system as a whole and in its context, above and beyond the details of individual components. By having a suite of processes and tools designed to model and anticipate the structure of a system, organisations can have assurance from the start that the right thing is being built in the right way, and that their product will interact appropriately with its context.

This drives down cost by reducing the risk of mistakes and unanticipated defects, while simultaneously driving up quality by tying engineering activity more closely to precisely defined stakeholder needs.

Systems engineering has developed a wide range of processes and tools for modelling and simulation, requirements analysis, scheduling, and all parts of the life cycle, tailored to better manage the development of complex systems. Of particular interest is how systems engineering thinking has produced a robust and scientific approach to requirements management and verification, a greater focus on the full life cycle of a product, and novel modelling techniques for complex emergent behaviour.



SYNTHE SYS RESEARCH

SyntheSys Research enables organisations to respond to challenges associated with increasingly complex system design, acquisition, test and maintenance needs.

At the heart of our services is a technical team that holds a wealth of experience in highly-complex industries and provides a specialist technical consultancy service around Systems-of-Systems approaches, programme management, systems and software development and systems engineering.

Our services and value extend throughout our training course portfolio, where we offer a range of formal and bespoke training packages which will empower your people to drive innovation in your organisation. Our approach focuses on cultivating the power of collaboration and we team with complementary specialist business partners in addition to our active memberships with industry bodies.