

Our team

Dr. Billy Parthipan CEng, EngD, MSc, BEng (Hons), MIET - Lead Design Engineer/ Projects Manager

Dr. Billy Parthipan is a chartered engineer with the IET. He completed his doctorate in environmental technology and his research was in the sustainable development of green battery powered NDT solutions. His expertise is in the hardware design, development and technical management of low cost; low power; high density FPGA based hardware, ultralow noise analogue hardware and switch mode power supplies mainly for battery powered applications with emphasis on design for explosive area applications. He currently works as a lead design engineer and a project manager involved in customising retrofitted NDT solutions for robotic applications.

Dr. Weiwei Wang - PhD - Principal Engineer

A well combined mechanical and software engineer with years of expertise in the areas of scientific instrument and industrial product design. He has a background in materials science and is an expert at designing and developing remote control robotic crawlers for NDT measurements in inaccessible or hazardous environments, and bespoke scientific instruments for studying physical properties of materials at extreme conditions.

Main contact in the project:

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UltraMAT – Power ultrasound as a generic tool for micro/nanoscale processing of metals

www.ultrammat.co.uk



www.innotecuk.com

Innovate UK

UltraMAT is an Innovate UK Project Ref. 102802

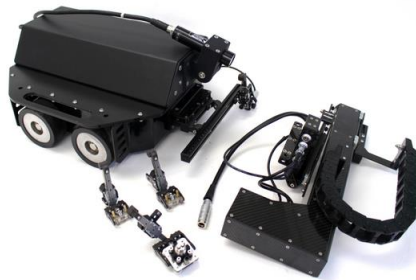
Who we are

[InnoTecUK](#) is a dynamic and progressive research and innovation company who specialise in the development and commercialisation of novel robotic and automation solutions to overcome complex industrial challenges.

Our extensive expertise, industrial engagements and commitment to excelling has allowed us to develop a number of prototypes and state of the art [solutions for inspecting](#) complex components, infrastructure and high value assets.

We are committed to consistently developing high value and high-quality technical solution designed to excel under harsh, real world operating conditions. This is evident from some of our acclaimed work; the likes of HUNTER, MAJIC, NEPTUNE etc.

Additionally, InnoTecUK has massively been involved in and has successfully [delivered 50+ hi tech, complex](#) collaborative projects, addressing the unmet needs and challenges in industries such as the Oil & Gas, Renewable Energy, Offshore, Aerospace, Rail, among others.



[HUNTER](#)



[VortexScanner](#)



[NEPTUNE](#)



[TRITON](#)

Our Products and services

Our [robotic crawler platform solutions](#) enable remote NDT (Non-destructive Testing) inspections in/on metallic and non-metallic surfaces.

We provide modular solutions so that operators can choose from multiple NDT techniques to meet their specific application requirements. From integrating NDT payloads to developing bespoke solutions.

We believe remotely deployed robotic NDT is the only truly accurate and repeatable method for in-accessible areas and applications where rope-access based inspections are impractical / have safety concerns.

[Contact us](#)

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Connect with us

