Our team

Dr Alex Mereacre

Director of Systems Engineering

Wide experience in developing software and hardware for automotive, security and medical device applications. Alexandru has designed for a number of years high precision measuring devices for automotive and gas industries. He has also worked in the material testing industry where he designed algorithms that analyse the failure of pressure vessels, building structures and pipes.

Alexandru has degrees in Electrical Engineering and Computer Science. He also has a PhD in Computer Science from RWTH Aachen University, Germany. He worked a number of years for Oxford University as a researcher in formal methods and model-based design of medical devices.

Dr Nicholas Allott

CEO

Nick is the founder of NquiringMinds, one of the UKs most promsiing AI startups. He is former CTO of an internation secutiy standards body, a US VoIP startup and former Director at Motorola. He holds a PhD in AI.

Alois Klink

AI Engineer

Alois is a graduate of Univesity of Southampton Meng in Electrocin Engineering. He is currently studying for a PhD in AI and Engineering
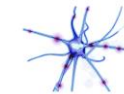

Main contact in the project:

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

www.ultramat.co.uk

www.nqminds.com

Innovate UK

UltraMAT is an **Innovate UK** Project Ref. 102802

Who we are

nquiringminds are experts in AI, IOT and CyberSecurity.

We have two core products

- TDX Cloud (Trusted Data Exchange) cloud based, state of the art data sharing and AI powered data analytics platform, built from the ground up for security and scale
- TDX Edge: developed for small IOT devices, supports real IOT security from hardware through to a PKI certificate-based application layer. Based on a peer to peer cryptographic model, it also includes autonomous AI for intelligent distributed (edge) data processing

Our technology helps our customers deliver AI driven digital transformation

nquiringminds is seven years old, organically grown and owns all the core IP. We have real world customers in sectors as diverse as SmartCIties, Industry 4.0, Defence, Agriculture, Telecoms and Health and Social Care.

Our award winning software has been endorsed by the likes of UK Cabinet Office, UK Prime Minster, NHS, Ministry of Defence, Indian Government, Cisco and many UK Cities.

AWARDS

Our Products and services

tdx cloud — Cloud based data sharing and AI analytics

tdx edge — Secure edge processing technology

SmartCities

Health

AgriTech

Industry 4.0

Cyber

CUSTOMERS