

Driving Supply Chain Innovation

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FORTH
engineering™

Remote Engineering Solutions

- Equipment deployed via carbon fibre poles
- Cameras, grippers, cutters, samplers and manipulation tools
- Remote operated vehicles, tethered and autonomous – surface, underwater and amphibious
- Visual inspection, sampling, manipulation, scanning
- Thousands of potential applications

Business Development

- PR and marketing
- POC for direct sales
- The interesting stuff
 - Identification of new and emerging technologies
 - Identification of emerging markets
 - Resource development
 - Collaborations with industry specialists and academia
- Funding for R&D
- Liaising with client to identify specific requirements

Forth Engineering going forward

- Mechatronics, robotics
- Machine vision
- Virtual reality
- Laser scanning
- Collaboration with University of Manchester
- STEM apprentices

University of Manchester

Our relationship and how it affects Forth Engineering

Directly

- Access to some of the best engineers available
- Access to leading edge innovations
- Broader range of capabilities to offer
- New products for our portfolio

Indirectly

- PR – public perception of Forth Engineering
- Clients sit up and take notice
- Uplift in ambition in our engineering staff
- Shift in our profile

Current Projects

- MAROS - Magnetic amphibious remote operated surveyor. A ROV designed to adhere to steel, underwater structures and move to areas of suspected damage or corrosion. Expected to undertake ultrasonic metal thickness survey, underwater laser scanning, video and cathode/anode potential assessment.
- AVEXIS – A micro autonomous underwater vehicle developed at The University of Manchester. Designed as a multi purpose platform to explore bodies of water individually or as part of a swarm.
- RADS – Remote amphibious decommissioning spider. Similar inspection capabilities as MAROS, based on a 8 legged robotic spider with the addition of mechanical grippers and cutters and multiple scanning surveying platform.
- STEM apprenticeship – High calibre multi trade apprenticeship intended to bring forward some of the industries best new engineers in four or five years.

One more thing

NEWTON

Fresh Perspectives / Dynamic Solutions



Can you help?

- Search for innovative new products to assist our clients
- Collaborate with Forth Engineering?
- Come and work with us
- Ear to the ground



Thank you for hearing my presentation

