

EM Manager Technical Support for CTAI Programme

Case study overview

HORIBA MIRA supported CTAI in a number of test and consultancy areas, using our experience to anticipate trial hurdles, identify opportunities, and lead them with technical expertise to deliver class-leading support alongside the cannon production schedule. This helped to meet end customer contractual obligations in full.

Engineering team deployed: [Richard Harrison \(Programme Manager\) - in EMC but working for PM](#)
[Andy Mead \(EM Technical Specialist, WEMEC \(Contractor\)\)](#)

Standards involved:

- Defence Standard 59-411 Parts 3 & 4 (2008, Amendment 1)
- Defence Standard 61-5 (Issue 6 Part 6 Feb 2009)



Attributes and Performance; Defence Services; VRES (EMC Test Engineering) and VCC (Thermal Engineering)



Defence



UK & France



HORIBA MIRA has provided invaluable technical and programme management support to our team, establishing contract compliant units to DE&S and therefore directly assisted supply of our advanced weaponry to the end customer.

[Ian Wells, CTAI Programme Manager \(SP Cannons\)](#)



Approach

CTAI are a company whom HORIBA MIRA have worked with over the last 10+ years in the field of Defence. We have conducted EMC and electrical trials within our class-leading test facilities in the UK and at their test and development premises in Bourges, France.

We have also provided direct technical assurance / governance through a consultancy support contract to their EM Manager since 2017. Through centralised delivery, we have delivered all EM and electrical trials required to successfully deliver CTAI's contractual requirements to DE&S (MoD) for the cannons being installed within the AJAX armoured fighting vehicle fleet.

Successes and benefits

HORIBA MIRA supported CTAI in multiple test and consultancy areas, recognising trial hurdles and leading success through their technical expertise to deliver class-leading agile support alongside the cannon production schedule, to meet contractual obligations in full:

- ✓ Cross-site HORIBA MIRA trials delivery, **centralised coordination**
- ✓ Through-life consultancy and support, demonstrating a **proven agility for delivery of high-impact technical challenges** and contract gateway success in cadence with the challenging production output targets
- ✓ **Strategic, risk-managed** delivery of on-site EMC test and development solutions alongside CTAI's engineering team for minimised scheduling impact
- ✓ **Specialist test and consultancy** support to designated CTAI trial sites leading to compliant engineering part development to meet challenging production timeframes
- ✓ Agile provision of a consultancy team with **over 40 years' experience** in the field of EMC test and engineering

Deliverables

- ✓ Provision of highly experienced, dedicated personnel for EMC technical delivery across multiple sites in the UK and France (to include consultation and localised trial analysis)
- ✓ Through-life management and production of essential customer documentation, providing essential proof of contract delivery to DE&S
- ✓ Provided access to engineering expertise / information within multiple disciplines to support wider contract delivery (e.g. EMC, electrical, environmental)