

Dstl marks 150 year history of its forensic explosives laboratory

From fireworks to fuselages, if it's been in a crime to do with explosives, Dstl's Forensic Explosives Laboratory (FEL) has seen it.

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With world-leading facilities, unique in their capability and run by a team of world-leading forensic scientists, the Lab exemplifies what Dstl is here for: applying expert science and technology to keeping the UK safe and secure.

Dstl's FEL facility can trace its origins back to 1871 when the earliest forensic science service was established. Now, 150 years later, supported and funded by the Home Office, the lab continues to support high profile police investigations into the unlawful use of explosives and helps bring those who carry out atrocities such as the Manchester Bombing to justice.

Terrorist attacks make up the more high profile cases dealt with by FEL – Lockerbie, IRA attacks, 7/7 and the failed bombings on 21 July 2005 in London, and the Bali bombings in 2002 to name a few – but the lab's assistance covers much more than people perhaps realise.

About 80% of our cases are related to fireworks and other pyrotechnics. Examples include fireworks being posted through letterboxes and set off in phone booths, and people experimenting in their sheds with instructions they've found on the internet.

FEL has a very successful development programme that typically takes new graduates from good chemistry degrees and moulds them into specialists in forensic explosives with one main aim: to provide expert witness testimony for the British criminal justice system.

Late in the 19th century it was Captain Vivian Majendie who became the world's first bomb disposal specialist. His history is well known among the scientists who proudly work in Dstl's newest forensic lab at its site near Salisbury, recently [opened in 2020 by Her Majesty The Queen](#) and His Royal Highness Prince William.

Captain Majendie's tale began when, on 11 August 1871, at least 2 explosions occurred in the Prentice family's 'Patent Safety Gun Cotton Co. Ltd' in Stowmarket, Suffolk. The size of the crater was 10 feet deep and 40 feet

across, with the explosions causing almost complete destruction of the factory and extensive damage to properties in the local area.

More than 20 people were killed, including 2 members of the Prentice family, and in excess of 70 people were injured. More than 180 cases of deafness was caused as a result of the loud bang of the explosion, which could be heard as far away as Southwold – 30 miles away.

The government at the time issued a reward of £100 to establish the cause, believed to be the accidental initiation of ton quantities of nitrocellulose (poor standards of health and safety were found to be the cause of many accidental explosions at that time).

A formal enquiry into the incident was carried out by Captain Majendie, the recently appointed Home Office Chief Inspector of Accidents, a role he retained until his death in 1898. He realised quite quickly that he needed the services of a qualified chemist and so sought the advice of Dr August Dupre who was, at that time, consultant for the Medical Department of the Privy Council.

Dr Dupre carried out various chemical investigations into the cause of the explosion and gave expert evidence at the Coroner's Court on 6 September. The association between Majendie and Dupre continued and by 1873 Dr Dupre had become an unofficial chemical adviser to the Home Office, giving his service in the fields of analysis and control of explosives, and the investigation of explosions.

In 1875, Parliament passed the Explosives Act and set up an Explosives Department, with Captain Majendie at its head. Dr Dupre also extended his work into the criminal field and rendered considerable help to the police following terrorist attacks on government, military and police targets.

Following the Fenian outrages and other acts of political terrorism in the 1880's Parliament passed a further Act, the Explosives Substances Act of 1883, which deals with the criminal misuse of explosives and explosive devices – legislation that is still used today to bring terrorists and criminals to justice.

Majendie's expertise in the study of explosives led to him becoming a pioneer in the fields of bomb disposal and the forensic investigation of explosives and their effects, and he is recognised as having saved many lives.

In 1883 Dr Dupre himself assisted in the conversion of several hundred pounds of impure nitro-glycerine (which had been secretly manufactured in the heart of Birmingham) into dynamite, and so averted what might have been a terribly disastrous explosion. He was highly commended in the House of Commons by Sir William Harcourt, then Home Secretary, in connection with this "prompt and courageous action".

Dr Dupre, who was reportedly an excellent expert witness and was more than once complimented in Court on his straightforward evidence, continued his work in support of the Explosives Department until his death in 1907, and was

succeeded in his consultancy by his 2 sons who continued to provide this service, as well as military work on explosives during the First World War.

In April 1923 the role of chemical adviser to the Home Office Explosives Department was formalised and moved to the War Office Research Department at Woolwich. A special section was formed and one Frederick Dupre continued to provide his assistance to the police and Home Office until his retirement in 1948.

The precise origins of the title 'Forensic Explosives Laboratory' (used to describe the forensic investigations being carried out on behalf of the police) is not known, but FEL relocated from Woolwich Arsenal to the former Royal Armament Research and Development Establishment (RARDE) Fort Halstead in January 1986 and then again to Dstl Porton Down in March 2020.

Charity Commission launches statutory inquiry into MB Foundation

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Press release

The regulator has opened a statutory inquiry into the MB Foundation (also known as the Mossad Horav Aryeh Halevy) over serious financial and governance concerns.



The charity lists its activities as providing financial support to help relieve sickness and poverty.

The MB Foundation was previously part of the Commission's 'double defaulters' class inquiry for failing to submit annual accounts for the financial years ending 31 March 2014 and 31 March 2015. Subsequent scrutiny of the accounts and information received from the trustees raised several concerns about the charity's governance, in particular, the trustees' handling of conflicts of interest.

The charity, whose trustees are all brothers, carried out several transactions with companies and individuals directly connected to the trustees or the trustees' family members. This included a total of four loans to a connected company totalling over £1.7M.

The trustees have so far failed to provide the Commission with any formal documentation in relation to these loans. Furthermore, the trustees did not provide information to demonstrate they had adequately identified or managed conflicts of interest.

The inquiry will focus on:

- the trustees' decision-making; particularly regarding loans and investments
- whether the trustees have adequately managed potential conflicts of interests
- if there has been any unauthorised or indirect private benefit
- whether the charity has suffered any financial loss as a result of any mismanagement/misconduct
- whether trustees have fulfilled their duties and responsibilities under charity law

The Commission may extend the scope of the inquiry if additional regulatory issues emerge. The opening of an inquiry is not a finding of wrongdoing.

It is the Commission's policy, after it has concluded an inquiry, to publish a report detailing what issues the inquiry looked at, what actions were undertaken as part of the inquiry and what the outcomes were. [Reports of previous inquiries are available on GOV.UK.](#)

ENDS

Notes to Editors:

The Charity Commission is the independent, non-ministerial government department that registers and regulates charities in England and Wales. Its purpose is to ensure charity can thrive and inspire trust so that people can improve lives and strengthen society.

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[UK PACT backs low-carbon transition in Malaysia with £1.4 million in support](#)

World news story

The UK PACT programme has announced that five innovative climate projects in Malaysia valued at £1.4 million are being funded through the Malaysia-UK PACT programme.



British High Commissioner to Malaysia His Excellency Charles Hay

The UK Partnering for Accelerated Climate Transitions (UK PACT) programme has today announced that five innovative climate projects in Malaysia valued at £1.4 million are being funded through the Malaysia-UK PACT programme.

UK PACT is a £70 million flagship programme that is part of the UK's £11.6 billion commitment to International Climate Finance by 2026 to tackle climate change and is funded by the UK's Department for Business, Energy and Industrial Strategy (BEIS). Through its grants, UK PACT aims to improve the capacity and capability of key public, private and civil society institutions to reduce emissions and foster inclusive economic growth in partner

countries, including Malaysia.

All five projects were chosen through an open, competitive call for proposals, receiving between £100,000 and £350,000 each. These capacity-building projects will promote low-carbon and nature preservation initiatives in Malaysia while supporting the improvement of livelihoods of marginalised communities. The organisations implementing the projects and their partners will support and work with key public sector beneficiaries at national, state and local levels to build capacity in key priority areas, including:

- green finance: to leverage Malaysia's leadership position to incentivise and remove barriers for green finance through improved disclosure, increased transparency and data-driven decision making through considerations of climate and environmental risk disclosure
- energy: to enhance Malaysia's energy transition pathways through initiatives for community renewable energy access and generation
- nature: to develop enabling conditions for nature-based carbon finance to conserve forests and biodiversity
- low carbon planning: to support the integration of carbon emissions reduction and monitoring in planning land use in cities and the green economy

British High Commissioner to Malaysia His Excellency Charles Hay MVO, said:

Malaysia is one of the most eco-diverse countries in the world. We want to support Malaysia's transition to a low carbon economy and reduction of emissions in line with the Paris Agreement, and to preserve natural resources for future generations. Through UK PACT, we look forward to working with Malaysia to help develop capabilities in the areas of green finance, energy, nature and low carbon planning, in line with Malaysia's Nationally Determined Contribution.

The United Kingdom will be hosting the [26th UN Climate Change Conference of the Parties \(COP26\)](#) in Glasgow from 31 October to 12 November 2021. The project portfolio is well placed to support a green, clean and resilient recovery in Malaysia and support the aims of COP26 to accelerate action towards the goals of the Paris Agreement and the UN Framework Convention on climate change.

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