

News story: F-35 Lightning fighter aircraft one step closer as RAF Marham runway intersection resurfacing completed

The work forms part of a £250 million DIO programme, which is part of the major investment by the Ministry of Defence to ready the station for the arrival of the Royal Navy and Royal Air Force's new F-35 Lightning fast jet aircraft.

Construction of this kind on an active air field required a 'no fly' period to be agreed with the station. In the 3 weeks that flying was halted, DIO's contractors, a joint venture between Galliford Try and Lagan Construction, had to complete the entire construction of this element of works. The resurfacing forms the third of 9 phases of work on the project, which will also provide hangars for 12 aircraft and an air crew feeding facility.

This phase included removing more than 13,000 tonnes of existing asphalt and installing 23 pits and 1.2km of ducting for aeronautical ground lighting. To resurface the runway, more than 18,000 tonnes of asphalt were laid over an area of nearly 38,000 square metres, equivalent to more than 5 rugby pitches. To achieve this within the required timescale the contractors worked in multiple shifts, 7 days a week.

Rob Dawson, DIO Lightning principal project manager, said:

This was a crucial part of the works being undertaken by DIO and was a vast amount to complete in such a short space of time. It couldn't have been achieved without the cooperation of the teams from DIO, our contractors, the Galliford Try and Lagan Construction joint venture, our consultants AECOM and RAF Marham. It has been an integrated team effort and fills me with confidence for the hard work ahead of us.

Despite the short space of time available to design, plan and complete the work as well as some poor weather, it was completed a day early. This allowed flying operations to recommence on Friday 29 September.

Wing Commander Phil Marr, Officer Commanding Operations Wing, RAF Marham, said:

This was an immense task to complete in three weeks. With both runways out of action, any failure to deliver within the prescribed timeframe would have directly impacted flying operations at RAF Marham. This added significant pressure to an already taught

construction task. In light of this, it was highly impressive to have been handed back such an immaculate new runway intersection, allowing the Station to recommence flying activities ahead of schedule. An excellent achievement all round.

Group Captain Ann Gibson, Lightning Basing Team Leader, RAF Marham said:

I am delighted that all of the teams have risen to the challenge to deliver the intersection in a 3 week period thereby minimising disruption to Tornado and RAF Marham operations.

Notes to editors

The F-35B Lightning II is the world's most advanced, fifth generation aircraft that the Royal Air Force and Royal Navy will jointly operate from both land and sea. It will form an integral part of the UK's carrier strike capability from both Queen Elizabeth Class aircraft carriers.

[News story: Accelerator Innovation](#) **[Network Event: Future Aviation](#)** **[Security Solutions](#)**

Suppliers attending the event will be able to hear presentations about the finding explosives hidden in electrical items themed competition which seeks to make a real difference in aviation security through innovative science and technology.

If you cannot attend the event, you can attend our webinar which will be announced shortly.

[The competition](#) is looking for proposals for technologies to improve our ability to prevent explosives hidden within electrical items in hand luggage from being taken on board an aircraft.

This Accelerator competition is part of the wider Department for Transport and Home Office Future Aviation Security Solutions (FASS) programme. This programme will invest £25.5 million over a 5 year period (2016-2021) to promote innovation and deliver a step change in aviation security.

As part of an effective, efficient and passenger-friendly screening system we're seeking new solutions that could provide an alternative to imposing bans on electrical items or additional laborious screening measures.

Through this competition we want to continue to improve our detection capability, reduce the risk of restrictive measures being imposed in the future and reduce the need for additional layers of security.

The challenges of this Accelerator competition are to enhance the detection of threats hidden in electrical items at:

- Challenge 1: central search
- Challenge 2: at a final departure screening point, where there are significant constraints on size, weight, power and portability

For both challenges, we're not just looking for solutions to detect concealed explosive devices/components. We'd also be interested in solutions to identify electrical items that may have been tampered with, or which appear to be out of the ordinary. This could allow us to focus the more resource intensive detection techniques on a smaller number of items.

Up to £3 million is available for this themed competition.

Notice: B7 4RH, Environmental Concern Limited: environmental permit issued

The Environment Agency publish permits that they issue under the Industrial Emissions Directive (IED).

This decision includes the permit and decision document for:

- Operator name: Environmental Concern Limited
- Installation name: Alma Crescent Facility
- Permit number: EPR/CP3796FQ/V003

Notice: NN17 3AS, Material Change Decoy Limited: environmental permit application advertisement

The Environment Agency consults the public on certain applications for waste operations, mining waste operations, installations, water discharge and groundwater activities. The arrangements are explained in its [Public Participation Statement](#)

These notices explain:

- what the application is about
- how you can view the application documents
- when you need to comment by

The Environment Agency will decide:

- whether to grant or refuse the application
- what conditions to include in the permit (if granted)

[News story: UK is ready to seize Expo 2020 Dubai opportunities](#)

Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Expo 2020 Dubai Higher Committee, welcomed Dr Fox in Dubai and briefed him on the progress in building the Expo site, supported by UK architects and construction firms.

Dr Fox reiterated the UK's support for Expo 2020 Dubai as he handed over its official letter of participation, adding the UK planned to theme its Pavilion around 'Opportunity', focusing on how UK expertise can help spread prosperity across the world.

He emphasised that the UK, as an outward looking country, will use Expo 2020 Dubai as a springboard for strengthening international trade and relations as we leave the EU.

International Trade Secretary, Dr Liam Fox said:

Expo 2020 Dubai presents exciting opportunities for both the UAE and the UK to strengthen international trade relations as Dubai prepares to welcome 180 nations, and the world's top business leaders and investors.

We have a long history in showcasing the very best innovation and talent on a world stage, starting with the first Great Exhibition of the Works of Industry of all Nations in 1851. The UK is committed to playing a key role in helping Dubai stage a successful expo. As an international economic department, my department is helping British companies bring their expertise to build pavilions that will be enjoyed by 25 million visitors from around the world.

Our theme 'Global Britain – Innovating for a Shared Future' will set out our outward facing global vision, and further reinforce the many opportunities opening up to us as we leave the EU.

Sheikh Ahmed bin Saeed Al Maktoum said:

The UAE and the UK are joined by a bond of exceptional, historic relations. This relationship is embodied through the various agreements signed between our countries, from the promotion of investments to air transport and taxation.

The UK was one of the first countries to back the UAE's efforts to host Expo 2020 Dubai and we are grateful for their enduring support, which was reiterated today by Dr Liam Fox. We are looking forward to connecting further with British institutions and businesses as they join us on our journey to 2020 and beyond.

UK's World Expo legacy

The UK hosted the first ever World Expo in 1851 and has played a leading role in Expos over the past 166 years, including at the Expo Milano 2015, where the UK 'Hive' national pavilion won 22 international awards. The Hive Pavilion, which was the UK's top paid-for attraction in 2015 with 3.3 million visitors, has now been erected in Kew Gardens, London, providing education on the importance of conservation.

The UK was one of the first nations to publicly support Dubai's bid to host Expo 2020 and also one of the first countries to publicly announce its official participation.

Prime Minister Theresa May, confirmed the UK would participate in December when she met Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, on the margins of the annual meeting of the Gulf Co-operation Council in Bahrain.

UK – UAE trade and Expo opportunities

The UK and the UAE have strong trade and investment links. About 5,000 UK businesses operate in the UAE and more than 100,000 British nationals live in the country. The UAE is the UK's 12th largest trading partner, and UK exports to the Gulf region were £20 billion in 2015. In finance, UK firms represent 15 per cent of the regulated financial firms in the Dubai International Financial Centre.

British architects and construction firms, including Anglo-Emirati joint venture Al-Futtaim Carillion and architectural company Foster + Partners, are involved in the design and building of some of the pavilions and districts on the Expo site.

Opening on 20 October 2020, the Dubai Expo is projected to attract 25 million visits, with 70 per cent expected to come from outside the UAE – the largest proportion of international visitors in the 166 year history of World Expos. More than 200 countries, companies, charities and educational institutions are also expected to participate.