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**PROJECT NAME:**

Midlands Air Ambulance HQ

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**CLIENT:**

Midlands Air Ambulance

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**LOCATION:**

RAF Cosford

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**M&E ORDER VALUE:**

£2.5 million

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**CONTRACTOR:**

Morris Property

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**CONSULTANT:**

Couch Perry Wilkes

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Dodd Group was appointed by Morris Property to install the MEP services at the Midlands Air Ambulance new headquarters building comprising a training facility, warehouse, RRV garage, medical store, and office and event spaces. Accommodation facilities for crew members includes a gym, commercial kitchen and a debriefing and community quiet zone.

A state-of-the-art simulation room enables clinical operatives to train with real-life field operations in realistic environments, specially designed heating/ cooling systems to achieve extreme temperatures, incident scenes displayed across all walls, surround sound and scene lighting. The improved training offer means staff are better prepared and able to offer more complex care.

Enhanced security and access requirements were required to comply with the Home Office Secure by Design standard.

Equipped with two helipads and remote-controlled airside lighting, the facility has what it needs to ensure fast response times to incidents. Flexible M&E services were also added to the two-aircraft hangar complete with backup generators, jet fuel stores, snowdrift helipad/apron underfloor heating system to ensure take-off and landing in all weather conditions and a large maintenance space.

The building is fully electric, gas free and features photovoltaic panels on its roof, as well as having air source heat pumps and good thermal mass construction. The building achieved EPC A, with an air permeability of 3 m<sup>3</sup>/(h.m<sup>3</sup>)@50Pa.

