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## Typhoon Hush House

### Design and Build of an Installed Engine Test Facility

Cullum Detuners Limited were commissioned by UK MOD (RAF) to Design and Build a 'Hush House' for installed engine testing of the Typhoon Aircraft.

As part of the request the facility needed to be designed with the flexibility to test the still in service Jaguar and Tornado fleet.

In order to meet a demanding acoustic specification of 60 dB(A) at 200m, Cullum designed the facility with powered hangar doors incorporating an axial air intake system.

The Cullum scope included:

- **Civil Design**
- **Design and Construction of the Hush House**
- **Powered Hangar Doors**
- **Integrated Intake System**
- **Exhaust Detuner**
- **Powered Nose Wheel Pit to allow flexibility of aircraft type**
- **Ancillary Buildings**
- **Fire Extinguishant System**
- **Aircraft Restraint Mechanism**
- **Roadways and Infrastructure**