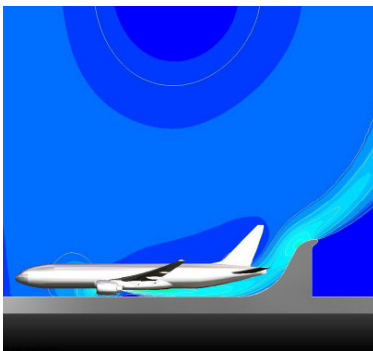
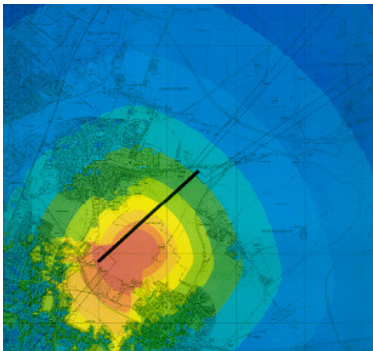


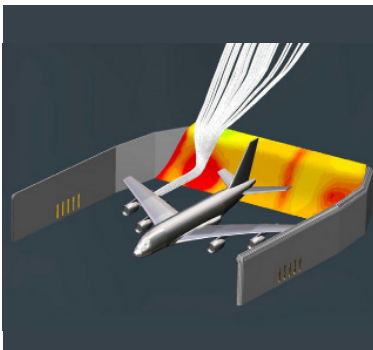
Excellent aerodynamic performance of Aerowall™ and Jetshield™ in crosswind



High vector ejector performance of Jetshield™ rear wall mitigates recirculation, even in tailwinds



Noise map depicting the result of a aircraft ground run-up for a fictional location



Structural load analysis



## Ground Run-up Enclosure (GRE)

**IAC launches the world leading solution to on-wing aircraft engine testing.**

Utilising the latest aerodynamic and acoustic techniques, the IAC ground run-up enclosure offers market leading performance to take ground testing of aircraft to higher levels even for the largest civil aircraft in the world: the Airbus A380.

### Jetshield™

The patent pending design of the Jetshield™ rear wall has been developed to offer extreme aerodynamic and acoustic performance. The Jetshield™ combines collector, deflector and ejector features to cleverly redirect and accelerate the thrust wake away from the facility. The air flow direction and velocities substantially reduce the possibility of re-ingestion and hence promote engine running that would previously have not been possible.

### Aerowall™

The patent pending design of the Aerowall™ side walls are also specifically designed to offer extreme aerodynamic and acoustic performance. The silenced gills mitigate the detrimental effects of crosswinds, reduce air flow distortion and reduce vortices within the facility. These improvements enable engine running when, without the GRE, the aircraft could not normally be tested.

IAC ground run-up enclosures are available for any size of aircraft, either:

- FAA Airplane Design Groups I to VI
- ICAO Reference Codes A to F

The acoustic performance can be varied to offer a solution that meets your requirements and budget.

### Options include:

- Obstruction Lights
- Weather Station
- Noise shelter for staff

IAC can also supply ground run-up facilities for military aircraft, including afterburner capability.





### Our History

An international organisation, IAC Global Aviation is part of the IAC Group – the largest acoustics company in the world. IAC was established in 1949 and has offices worldwide to offer specialist supply and support services for your airport and aircraft engine testing requirements.

IAC specialise in the design, manufacture, installation and commissioning of:

### Airport Products

- Ground run-up pens / enclosures
- Jet wake barriers / jet blast deflectors
- Acoustic barriers

### Aero-Engine Test Facilities

- Fan, jet, shaft, propeller and APU test facilities
- Hush Houses
- Data acquisition systems
- Mobile aero engine test facilities
- Performance software
- Anechoic chambers
- Acoustic environmental monitoring systems
- Engine servicing maintenance workshops
- Training
- Supply of Specialist tooling & engine dress kit
- Supply of Spares and Support Equipment



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