

RESONATE: TESTING SERVICES WITH A FOUNDATION IN ENGINEERING EXCELLENCE



THE NACELLE GROUP -
A COMPLEMENTARY APPROACH

ABOUT RESONATE

Resonate Testing Ltd is a new commercial test house for organisations from all sectors in need of high quality Testing and Certification Services. Resonate will focus on combined environmental testing.

Resonate Testing is a wholly owned subsidiary of The Nacelle Group, the parent company of our highly reputable Aerospace Engineering organisation; Nacelle Systems Consultancy (NSC).

NSC has a long history and specialist knowledge in Vibration, Fire and Environmental Testing for customers worldwide. NSC's experience in aerospace engineering provides a key foundation for our capabilities, and customers can be confident in a highly professional and knowledgeable service.

LOCATION & FACILITIES

Resonate Testing is located in Newry, Northern Ireland and will be fully operational by the end of Q1 2016.

The Resonate Test facility is located less than an hour from Airports in Belfast & Dublin, linked by major road and rail links, giving excellent access to UK, European and Worldwide routes.

The facility has 6000sqft of purpose built test space including dedicated Vibration and Fire laboratories, with expansion space for a wide range of environmental testing equipment.

QUALITY STANDARDS

Resonate Testing Limited will be able to show customers the dedication and commitment to high quality testing by receiving Accreditation to internationally recognised test house standard ISO17025. We have commenced the accreditation process and are targeting July 2016 for approval, along with FAA approval for fire testing and preferred customer status from existing OEM clients.

NSC has held EN9100 Rev C Accreditation for 4 years and we will utilise our experience in developing and maintaining Quality Systems to ensure the highest service standards for our customers.



www.resonate-testing.com

CONTACT US

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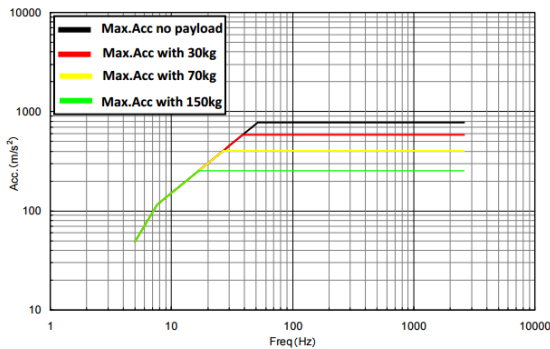
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VIBRATION TESTING

The Test Facility will have an IMV 54kn Air Cooled Shaker and Slip Table with a high velocity capability and an option for expansion to multiple synchronised Shakers in the future.

The table has a significant 4" stroke and future expansion will include an optional chamber attachment to simulate installed operating conditions.



IMV Shaker Table



FIRE TESTING

Resonate Testing will offer Power Plant Fire Testing using two types of burner;

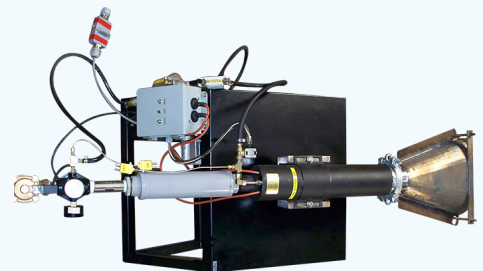
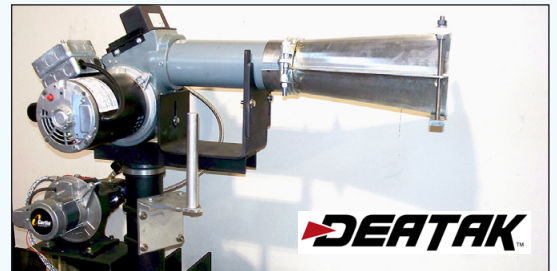
1. A modified Gun Oil burner (Carlin) type per FAA requirements.
2. The NexGen burner, currently being developed by the FAA.

Both will be capable of conducting the following tests:

FAR Part 25 Appendix F Part II, AITM 2.009, BSS 7303, FAA Handbook Chapter 7,8, 11, 12 & 15, FAR Part 25 Appendix F Part III, AITM 2.0010, BSS 7323, ASI 055, ASI 377.

3. The Facility will also offer small scale testing and measurement of the ignition resistant properties of Aircraft Materials to the following specifications:

FAR Part 25 Appendix F Part I (Vertical, Horizontal, 45° and 60°) Airbus AITM 2.002, 2.003, 2.004, & 2.005 Boeing BSS 7230: F-1, F-2, F-3, F-4, F-5, & F-6.



ENVIRONMENTAL TESTING

Resonate Testing also offers a range of General Environmental Testing which are complementary to the core Vibration and Fire Testing.

These will include: Temperature Shock, Humidity, Sand and Dust, Salt Spray, Icing, Fungus, and Fluid Susceptibility.

