



Vehicle/component anechoic & semi-anechoic test rooms and environmental, 'shake and rattle' and hot engine test facilities

- A complete, flexible and highly economical service in test facility design, construction and project management
- Over forty years experience in automotive applications
- Low cost feasibility studies undertaken
- Acoustic performance of all test rooms guaranteed
- Metadyne® - the preferred anechoic wedge system of the international automotive industry
- BS EN ISO 9001 quality registered



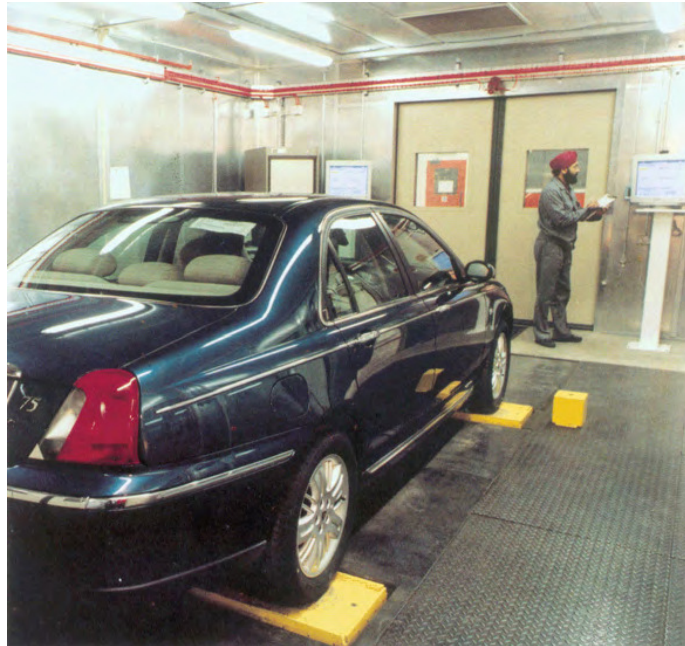
automotive test facilities

A WORLD LEADER

IAC test facilities are the preferred choice of the international automotive industry for the development of new generations of vehicles and components. IAC offers:

- A flexible, economical and comprehensive service in test facility design and construction
- Over 40 years experience in the automotive industry
- Technical compliance to relevant ISO standards
- Full acoustic guarantees for noise/vibration test rooms
- Quality control to BS EN ISO 9001

Front Cover Picture: Vehicle Semi-Anechoic Chamber (VSAC), Jaguar, UK



Shake & Rattle Test Facility, Rover, UK



Rolling Road Production Line Enclosures, Volkswagen, Belgium



Vehicle Semi-Anechoic Chamber (VSAC), Tennex Europe, UK

PRODUCT RANGE

- Anechoic and Semi-Anechoic Vehicle and Component Test Rooms compliant with ISO 3745 and with very low cut-off frequencies
- Environmental, Cold Start, Climatic and Mileage Accumulation Test Rooms
- Listening/Sound Quality Rooms built to broadcast standards
- Wind Tunnels
- Shake & Rattle Test Facilities
- Rolling Road Production Line Enclosures
- Hot Engine Test Cells
- Brake Testing and Component Durability Testing Rooms



Sound Quality Room, Siemens Automotive Systems, UK



Environmental Test Room, General Motors, USA

QUALITY COUNTS

IAC designs and builds automotive test facilities in accordance with numerous international technical specifications and standards. Also, the company's internal operations have been assessed and accredited with the BS EN ISO 9001 quality standard.



White Noise Test Room, Tennex Europe, UK

CLIENTS

IAC has provided acoustic test facilities to meet the needs of a growing and increasingly diverse range of automotive clients. These include:

Ford Motor Company
General Motors
Rover Group
Jaguar Cars
Chrysler
Nissan

Toyota
Volkswagen
Opel
Tennex Europe
Audi
Créos (Renault)
Delphi Automotive Systems
Perstorp Components
Hyundai
Harley Davidson
Honda
Faital
Samsung
Valeo
Siemens Automotive Systems



VSAC, Jaguar, UK

VSAC, Rover, UK



**DESIGN &
PROJECT
MANAGEMENT
RESOURCES**

In addition to its own, in-house specialists, IAC makes use of relevant experts in a variety of different disciplines to ensure that each project is handled effectively. For example, IAC has worked in partnership with several of Europe's top automotive consultancies specialising in high quality design and project management support. IAC has also established close links with leading manufacturers of test plant and equipment, such as dynamometers.



VSAC, Créos, France



White Noise Test Room, Siemens Automotive Systems, UK



VSAC, Ford, USA

**IAC METADYNE®
For Clean, Bright
Anechoic Test
Rooms**

Metadyne® anechoic and semi-anechoic test rooms have been chosen by the world's leading automotive companies for the many unique advantages they have over rooms built using other materials, such as fibreglass or foam.

Metadyne® metal-faced anechoic wedges offer:

- Guaranteed acoustic performance, with very low cut-off frequencies
- Compliance with international test standards, including ISO 3745
- Superior fire and impact resistance
- Greater durability and a longer lifespan than any other wedge type
- Ease of cleaning to ensure an "as new" appearance throughout their working life
- A bright, healthy and safe working environment for test personnel
- Clear, crisp images on CCTV systems



VSAC, Delphi Automotive Systems, Luxembourg

THE IAC SERVICE

Flexible, Efficient And Cost-Effective

IAC offers several levels of service to match the individual requirements of customers:

Level 1: Technical Feasibility and Project Cost Studies

IAC's experts will assess both the technical and commercial implications of any proposed scheme.

Level 2: Product Supply

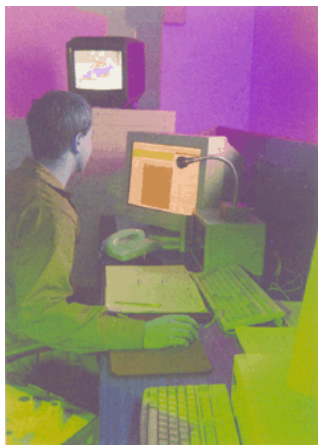
Clients can purchase products from a wide range manufactured by IAC, including anechoic wedges, acoustic doors and ventilation silencers.

Level 3: Product Supply and Installation

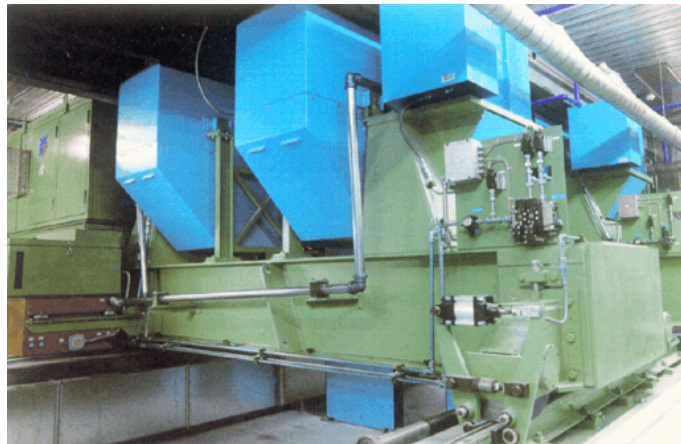
Products are installed under expert IAC supervision.

Level 4: Acoustic Design, Product Supply, Installation and Commissioning

This gives IAC responsibility for ensuring that acoustic test rooms are designed to the correct standards/specifications and comply with them on completion.



VSAC Control Room, Rover, UK



Four Wheel Drive Chassis Dynamometer, Jaguar, UK

Level 5: Acoustic and Non-Acoustic Responsibility

IAC provides all of the products and services outlined in Level 4 but also takes responsibility for certain other aspects of a project such as civil works, building construction, dynamometer, mechanical/ electrical services etc.

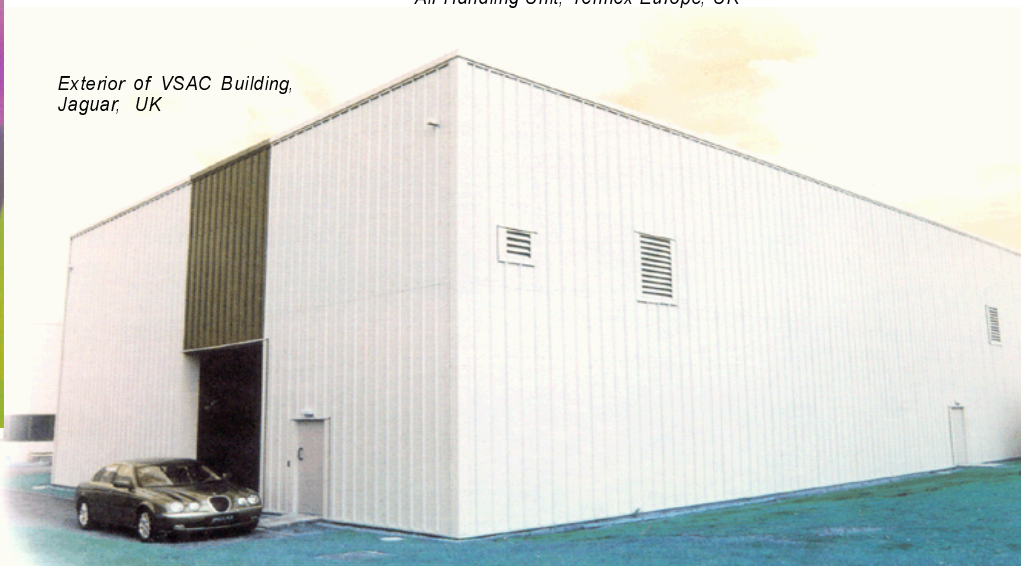
Level 6: Total Project Management

This option makes IAC responsible, technically and commercially, for every aspect of a project. It covers every phase of a test facility's design and construction, from the laying of foundations to the landscaping of the site.



Air Handling Unit, Tennex Europe, UK

Exterior of VSAC Building, Jaguar, UK



IAC'S EUROPEAN HEADQUARTERS

IAC's European Headquarters are located at Winchester in Hampshire, UK. The company's manufacturing operations are housed in a modern, purpose-built factory of almost 8,700m² (94,000ft²) - the large white building in centre of photo - with offices just a few metres away.

IAC has become Europe's largest industrial and commercial noise control specialist, now employing over 180 people. Operating with the slogan 'Making the World a Quieter Place' expansion has been achieved through diversification; the company now designs and builds everything from aero-engine test facilities to TV and radio studios, hearing testing (audiology) rooms, enclosures for noisy machinery, road barriers, anechoic test rooms, acoustic partitions, doors and windows, air handling units (AHU's), air conditioning and power plant silencers and silencing systems for warships



and luxury ferries. It even supplies rooms to schools for music practice and to the police for interviewing crime suspects.

IAC's clients include such names as British Airways, Rover, the BBC, National Power, Sony, Rolls-Royce, IBM, Glaxo, British Gas and Bovis Construction.

The company is also a practiced exporter, supplying equipment to over 50 countries throughout Europe, Africa, the Middle East and Pacific Rim.

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iac acoustics
making the world a quieter place