



Key Skills

Expert witness representation/Bond
Solon trained
Petro-chemical noise control
Project and client management
Liaison with consultees
Noise impact assessment & management
Building acoustics evaluation
Technical activity co-ordination and

Position

Associate

Nationality

British

Joined CSA

September 2005

Qualifications & Memberships

BEng (Hons)
Acoustics – ISVR

Member of the
Institute of
Acoustics (MIOA)

CSA is a Member
of the Association
of Noise
Consultants

ANC Registered
Sound Insulation
Tester

Ian MacArthur

Associate

experts@clarkesaunders.com

Career Profile

With a degree from Southampton University's Institute of Sound and Vibration Research, Ian began his career working as an Acoustic Design Engineer working for a highly-regarded and market-leading supplier of noise control products for the industrial, power and aerospace sectors. Here, he was responsible for research, design and commissioning of acoustic enclosures, silencers and systems for gas turbine installations and aircraft test facilities to control noise at work exposure, and external levels.

Ian joined CSA as a consultant in 2005. He is now a senior consultant, with responsibility for aspects of increasingly complex technical output, including environmental impact assessment, sound insulation testing, the development of noise mapping services and provision of evidence in expert witness claims.

SELECTED EXPERIENCE

Ian is very experienced in design of internal and external building fabric for public, commercial, industrial and residential developments. This includes acoustic review of building services systems, such as noisy fan-coil units and external plant, and providing mitigation advice.

Ian has completed extensive operational noise impacts assessments of EfW, waste management, environmental technology and gas storage facilities using noise mapping to aid in providing clear and concise information for stakeholders and consultees, and his extensive knowledge of weather systems, weather forecasting and meteorological effects on noise propagation has been successfully used in airfield and aircraft projects undertaken by CSA.

Within the planning and legal arena Ian has worked on planning applications and appeals including detailed survey work, assessment of noise impact of proposed changes of use. Investigation and design of mitigation measures for existing and potential community noise complaints for retail, commercial and industrial premises. He is a member of the CSA team (**Clarke Saunders | experts**) handling noise exposure assessments, primarily as a single joint expert.