



Sharing project success is the ethos of SAS International. Our relationship with specifiers, contractors, developers and clients are based on trust, respect and understanding. Adhering to such values, SAS International over the past four decades has evolved as the world leader in the design and manufacture of metal ceilings.

Our approach to projects is different, our range of ceilings are flexible resulting in solutions to meet any application requirements.

Being involved in projects at design and development stage is essential for SAS International. This consists of listening to project demands, design criteria and potential

areas of concern. This transparent relationship with the project team from the beginning is instrumental in ensuring a project runs smoothly throughout.

We endeavour to ensure that our commitment to product quality delivers inspired innovative solutions to issues of performance, aesthetics and budget, resulting in customers and construction projects receiving maximum value.

Using the most advanced computer controlled technology SAS International can efficiently manufacture both high volume and bespoke products to the highest standards.

Manufacturing facilities and processes are key to our market leadership and our commitment to value.

Continuous improvement leads to new technology giving us more opportunity to stretch the possibilities of design implementation, efficiency, new ideas and solutions.

SAS has invested heavily in manufacturing facilities. Factories have been extended and where possible brownfield sites have been developed.

New facilities have shown our commitment to company development and innovation as well as our contribution to local communities and economies.

SAS International invests in their people, recognising the value they add to the group. Employing the best, developing their knowledge and skills, in turn contributing to the flexible and adaptable nature of our business. SAS staff are encouraged to develop themselves with further training and education. SAS continues to differentiate itself through innovation, service and integrity.

We believe that the SAS International approach is unique. Maintaining relationships with construction professionals across the world we are able to share our own experience and knowledge whilst learning how new designs and building concepts make a difference.





Developing and transforming is imperative. As a product manufacturer we have to design, inspire and innovate. SAS International provides value driven intelligent metal solutions.

Our commitment to invest in the continuous development of the SAS International manufacturing facilities is paramount. Integral to our increased success, management processes are measured, reported on and developed.

Our new facilities and technology enables us to stay a step ahead in the market place, providing a tailored quick response and solution for all markets.

SAS International UK manufacturing facilities rank amongst the most modern and fully equipped in the world. Designed and built in accordance with stringent manufacturing processes each facility is responsible for different SAS products.

These facilities undertake research and development, maintaining all aspects of the manufacturing process including tooling. This makes SAS International completely self sufficient when approaching any form of manufacturing.

With ISO 9001 and ISO 14001 accreditations and complete control over production, the SAS International commitment exists to decrease the cost of manufacturing whilst maintaining product quality and ensuring maximum value.

Our Bridgend facilities in South Wales manufactures our complete range of ceiling tiles. Modular clip in and lay in tiles are manufactured along side building module sized mega panels. Small volume runs supporting our After Sales division are produced along with large volume orders for the largest of national and international projects.

Apertures for luminaires and other services are incorporated into the manufacturing process reducing installation time on site.

All tooling is designed and produced on site enabling SAS International to ensure quality standards whilst reducing lead times.

Our one-piece, heating and cooling elements for Chilled Ceilings, Radiant Heating tiles and panels are manufactured in house, enabling the services to be integrated before packing and shipment.

Our new SAS Apollo Park factory in the West Midlands is purpose built and state of the art. The facility produces our full range of aluminium ceiling grid systems, trims and perimeters, partitioning, doors and trench heating for our HCP division. It is also the base for our Room Comfort project mock-up area where project teams are invited to experience working mock-ups.

Maybole in Ayrshire, Scotland is responsible for Architectural Metalwork. They manufacture and produce bespoke customer driven solutions including Column Casings, Bulkheads, Binnacles, Spandrel Panels, curved Linear Grilles, Solar Shading and Reflectors.



SAS International supply metal ceilings worldwide, working with partners throughout Europe, the Middle East, Far East and Australasia. In Ireland a dedicated SAS International office and warehouse in Dublin supports local architects, building service engineers and contractors.

Designing and manufacturing products for different demanding sectors can be difficult. Communication and understanding amongst the project team must be clear particularly on projects on the other side of the world.

With a self sufficient export team based at our UK head office the process is closely managed. Designers, project managers and logistic personnel all contribute to the SAS representatives on site to ensure project expectations are achieved on time and to budget.



Our philosophy is based on a long term approach to major projects, establishing and maintaining supply chain partnerships with clients, architects and contractors through on-site visits and assistance.

This approach is design and solution led, working to ensure the compatibility of architectural concept and aesthetics with manufacturing and installation demands.

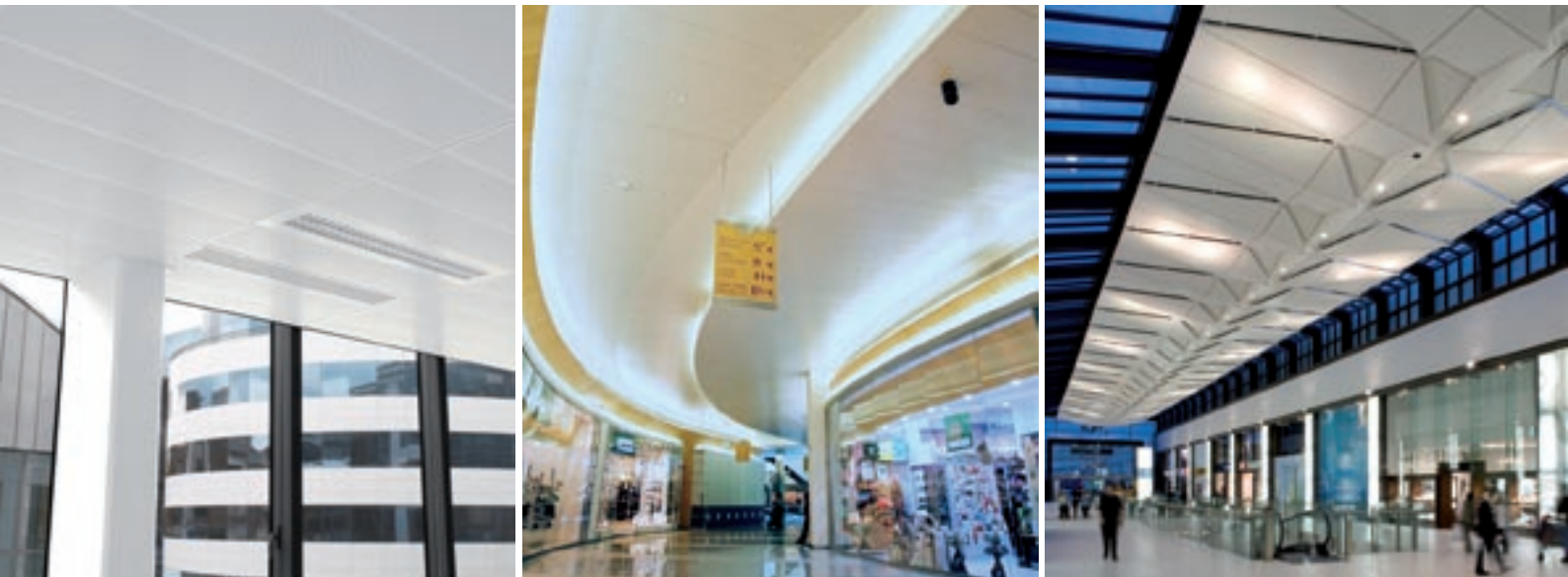
SAS are able to offer hands-on site training and supervision for export projects to encourage the use of 'best practise' installation techniques, improving the quality of installation whilst reducing any potential site damage and wastage.

This approach has been utilised through airports, universities, transport hubs, retail and office developments. Working with high profile corporate clients we meet corporate specifications worldwide for any application.

Client specifications are developed by SAS to suit the corporate branding needs and environments that the occupiers expect of their office interiors worldwide.

SAS thrive on making specifications work and supplying material of superior quality. Ceiling panels and associated grid components are fairly simple products, with the finished product installation greatly enhancing an interior space.

Helping to establish a strong understanding of product and manufacturing processes SAS invite architects and developers to view existing ceiling installations, visiting our factories to gain first hand understanding of the SAS process and approach.



Design plays a pivotal role in the SAS process; working with project teams at the earliest stage ensures total understanding of product expectation. The SAS design team are required to ensure the product is designed and manufactured in the most sustainable way possible, limiting waste and energy.

In accordance with company policy, design and technical personnel are solution led, utilising their extensive experience in ceiling products ensuring that specifications are achieved, meeting stringent demands of the project team. This means integrating the needs of a number of products and services in a single design.

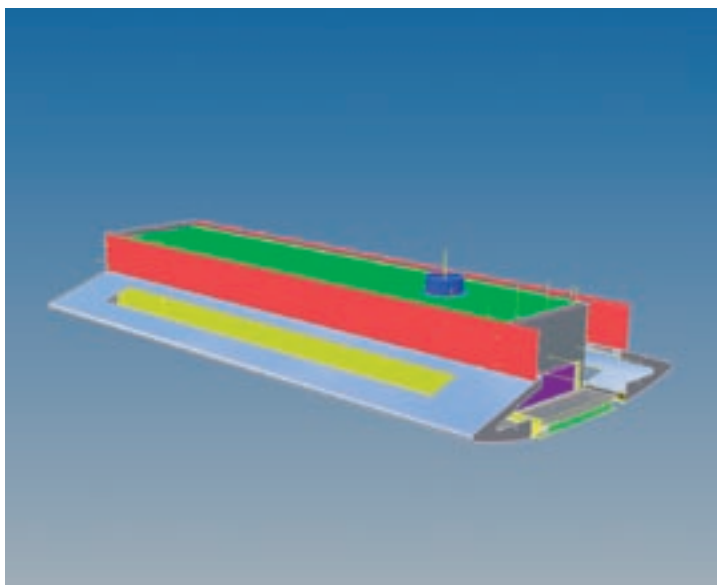
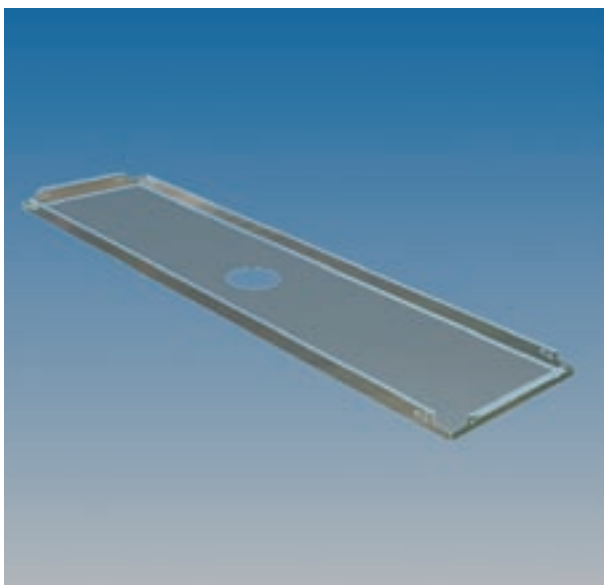
The “buildability” factor of SAS products is hugely important in the project process. Knowing the parameters of SAS manufacturing processes dictates what is possible, so product specifications and customer expectations can be achieved.

Conceptual design may take place for more bespoke solutions. SAS are renowned for being able to design and manufacture some of the most impressive, modern and ambitious metal solutions in the world.

Working with specifiers SAS product solutions are constantly demanded to inspire and innovate internal and external spaces. Manufacturing processes have been developed to stretch product manufacturing possibilities for future projects.

The design and technical team manage the technical details of all products manufactured by SAS, providing information and drawings to the project team for manufacturing.

To be totally competent in the design issues involved in the manufacturing of SAS product and the issues faced by a modern project team, SAS invest in the latest design technology. Working with CAD, Inventor and 3D visualisations the design and technical department utilise the latest versions of computer software, ensuring applications and solutions are the best.



Mock-ups represent the commitment SAS International can make to the design and review process for specifiers, clients and project teams.

Often product applications in buildings can be difficult to visualise or understand. SAS works to ensure that everyone involved in the specification of a product is able to understand the design, manufacturing process and performance of our products.

Ceilings are usually designed to integrate with many different products, particularly mechanical and electrical specified services.

SAS ceiling mock-ups give the project team a fantastic opportunity to experience not only ceiling product, but also other products integral to the ceiling.

Mock-ups are important to the understanding of bespoke or room comfort products, as the performance of these solutions is paramount. At SAS Reading there is a large mock-up area for the use of project teams.

At SAS Apollo Park, the latest SAS facility, there is an ISM (Integrated Service Module) mock-up facility where Chilled Beams or Radiant Heating performance can be demonstrated. This gives the opportunity to totally experience the environment created by the room comfort products.

The commitment to demonstrate design, manufacturing and performance demands is endless. Any of the SAS factories is available for stakeholders to tour and experience at first hand. They are at the core of our approach and can only lead to a better understanding of how we operate as a manufacturer.



A one stop design, cost and deliverable certainty, SAS Project Management is the specialist design-led installation division of SAS International. They undertake the more complicated projects through concept, design and installation.

On many of today's major construction projects clients wish to have the comfort and benefit of all encompassing warranties; SAS International are pleased to take on this role.

SAS Project management enables projects to be personally managed from design stage. Innovative technical design features, from bespoke ceilings to precision metal solutions are handled by a dedicated Project Management team.

Working closely with individual SAS factories new processes are developed pushing manufacturing capabilities.

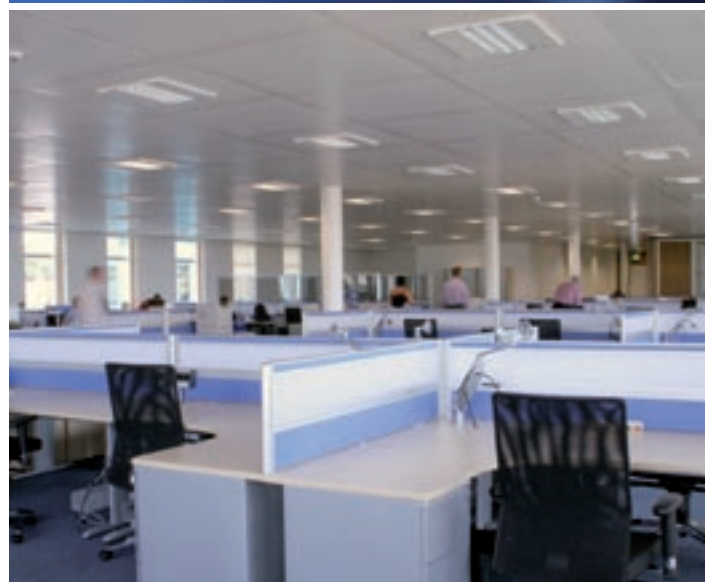
Individual project managers coordinate the full range of SAS International products and the supply and integration of third party products.

Where energy efficient Chilled Beams and ceilings require design and performance to meet both architectural, mechanical and electrical demands, SAS project managers coordinate the project teams requirements.

We confer with the client and their design team on preferred on-site installation process, via a locally seconded specialist contractor or directly with the main contractor.

This approach is often preferred on projects where Chilled Beams, Chilled Ceilings and Integrated Service Modules are specified and commercial constraints dictate a project management approach.

On large scale overseas projects, project management work closely with local agents and contractors to ensure consistent high installation standards are maintained.



The SAS after sales service division was established in 1994 to provide a specialist repair, maintenance and alteration service for clients and facilities managers.

Where SAS International products and systems are installed within a building this service has allowed clients to extend the life or adapt the use of existing installations for changing needs.

SAS International systems are adaptable and allow changes in the building interior usage. Changes in a building interior occur for a number of reasons, including new occupants, expansion and restructuring of existing space, integration of new technology or building services and general ongoing maintenance.

Free On-Site Survey

A member of the SAS After Sales Team is available to visit site ensuring that the details and specification of any new or existing ceiling system is correct before any order is placed. This avoids doubt or risk associated with tricky applications or complicated/bespoke specifications.

Existing SAS Ceilings

A database of all current and past projects means that we are able to return to original plans, drawing and specifications of any SAS ceiling.

Doubt in the authenticity of any alterations to existing products and applications is avoided. This is useful where bespoke or unusual products have been used.

SAS After Sales provide a range of services including:

- Renewing or making good dilapidations at the end of the lease period
- Replacing damaged materials from as little as a single ceiling tile or component
- Most standard ceiling products are available from stock and can be delivered in 48 hours
- Cleaning of ceiling finishes
- Maintenance of ceiling related services
- Extensions or modifications to existing installations
- Replacement or upgrading of light fittings
- Integration of new building services
- Acoustic upgrades of existing ceiling systems
- Contract maintenance
- Technical advice
- Emergency repairs



SAS are involved in a variety of organisations all of which have a pivotal role in the SAS approach and process. These partnerships can be broadly split in to four areas:

Industry Regulations

There are a variety of organisations that are continually striving to improve industry standards. Depending on sector and focus, SAS works closely with them to ensure there is greater understanding of the factors in the design and construction of buildings.



The BCO (British Council of Offices) have a respected position in the specification and the design of commercial office buildings across the world. They set and develop vital guidelines in accordance with changes to legislation and developments in process and products.



The BCSE (British Council for School Environments) is committed to excellence in the design and standard of educational buildings. They strive to set design standards for the increasing development of this sector.



The Chilled Beam and Ceiling Association (CBCA) are driving forward the use of energy efficient heating and cooling in accordance with Part L requirements, Building labelling and the commitment to reduce the UK Carbon footprint.



Chartered Institute of Building Service Engineers (CIBSE) Patrons currently promote best practise with Mechanical and Electrical engineers.



The Association of Interior Specialists (AIS) exists to ensure that the installation standard of interior products by contractors and sub-contractors within the construction industry is of the best possible standard.

Product Specification



The IHS manage the British Standards for the construction industry and the NBS (National Building Specification) the framework for the specification of building products are integral to providing information for the correct specification of building products.



Continued Professional Development



The RIBA (Royal Institute of British Architects) and the RIAI (Royal Institute of the Architects of Ireland) are committed to ensuring that registered architects develop their knowledge and learning through CPD. SAS International offers a range of RIBA and RIAI approved CPDs covering Metal Ceilings, Chilled Ceilings, Beams, ISMs and Architectural Metalwork. For further details please email cpd@sasint.co.uk

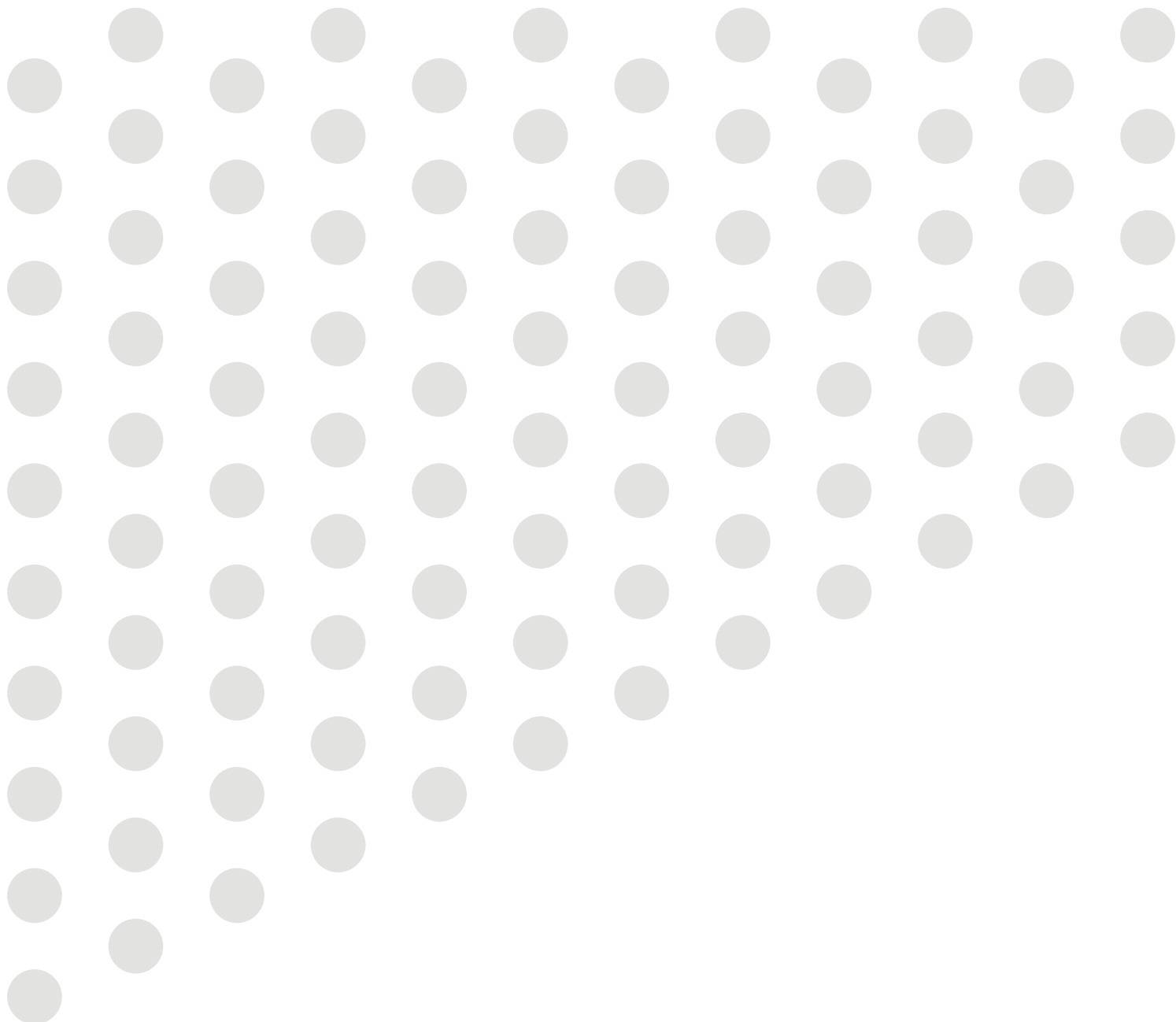
ISO Quality, Environmental and Health and Safety Standards



SAS International is totally committed to continuous improvement. Accredited to ISO 9001, 14001 and we are currently developing OHSAS 18001.







SAS International, 31 Suttons Business Park, London Road, Reading, Berkshire RG6 1AZ, United Kingdom

Tel: +44 (0)118 929 0900 Fax: +44 (0)118 929 0901 www.sasint.co.uk

SAS International, Unit 228 Block C, Blanchardstown Corporate Park, Dublin 15, Ireland

Tel: +353 (0) 1899 1134 Fax: +353 (0) 1899 1753

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