

Acoustic Design for a Heritage Estate Reimagined as a World-Class Destination



VISION

Transform a historic estate into a world-class five-star destination while preserving its character and delivering the privacy and comfort expected of luxury hospitality.

PARTNERSHIP

Work closely with the architect, contractor, and MEP team to identify acoustic risk early, refine details during construction, and verify performance on completion.

VALUE-ADD

Develop bespoke acoustic solutions for a listed building, protecting historic fabric while achieving guestroom privacy, event-space usability, and overall guest comfort.

Adare Manor in Limerick, Ireland, is a major hospitality redevelopment that combined restoration of the 17th century manor house with new construction and expanded guest amenities across the estate. The wider project included refurbishment and extension of the 1989 wing, a new 42-room bedroom wing, 104 fitted bedrooms, five bars, a cinema, gym, salon, five commercial kitchens and laundry, a ballroom/auditorium, and golf-related upgrades. Awn Consulting, a Trinity Consultants team, provided acoustic design focused on room acoustics, sound isolation, and building systems noise and vibration control, helping the project balance heritage preservation with the expectations of a modern five-star hotel. The project also carries added long-term relevance as Adare Manor prepares to host the 2027 Ryder Cup. Separate from the acoustic scope, the environmental team at Awn Consulting which is part of Trinity Consultants' Water & Ecology pillar has also supported the venue through environmental licensing work tied to that future event.

OWNER
Tizzard Holdings

CONSTRUCTION FIRM
John Paul

MEP
Arup

ARCHITECT
Reardon Smith Architects

STRUCTURAL ENGINEER
Punch Consulting Engineers

ACOUSTICS
Awn Consulting, a Trinity Consultants team

LOCAL ARCHITECT
Healy & Partners

VISION

The client's ambition was to take a long-established five-star hotel and elevate it into a world-class destination, with an uncompromising approach to the renovation and expansion of the estate. From an acoustic standpoint, that meant meeting demanding operator standards within a building made up of protected historic fabric, older construction types, and highly ornate interiors. The goal was clear: create a guest experience defined by privacy, comfort, and quiet, while preserving the character that gives Adare Manor its identity. That same ambition aligned with the estate's drive to secure and prepare for the Ryder Cup, positioning the property for global attention on one of sport's biggest stages.

PARTNERSHIP

AWN worked closely with Reardon Smith Architects, Healy Partner Architects, John Paul Construction, and Arup throughout design and construction to map acoustic risk, review adjacencies, and steer noisy uses away from spaces that required a quieter environment. That work began early, with baseline testing of the existing hotel to understand actual conditions before interventions were developed. As construction progressed and historic floors and walls were opened up, the team refined tender-stage details to suit what was found on site, keeping the work buildable within programme and budget while still meeting acoustic targets. Mechanical plans were also reviewed to ensure that air conditioning and other services would remain within appropriate noise criteria for guest and amenity spaces. Site inspections, testing, and commissioning formed the final layer, confirming that completed spaces performed as intended.

VALUE-ADD

The project's biggest challenge was also its defining story: how to deliver modern acoustic performance in a listed building without disturbing the very features that make it memorable. Guest bedrooms were a priority, particularly where historic construction and lightweight floor build-ups made privacy more difficult to achieve. The team also addressed sensitive adjacencies involving the ballroom and function spaces, where weddings, corporate events, and live music needed to coexist with nearby sleeping areas. In the Gallery, a historic room now used as part of the arrival and event experience, acoustic upgrades had to disappear entirely into the existing fabric so that ornate ceilings, plaster mouldings, and original finishes remained visually untouched. Across restaurants, spa treatment rooms, the cinema, and back-of-house areas, the work helped keep operational noise out of the guest experience. The real value came from deep experience with historic buildings in Ireland, giving the wider team confidence in bespoke details that could be tested, refined, built, and proven on completion.

ABOUT TRINITY CONSULTANTS

Trinity Consultants, a leading global environmental consulting firm, provides services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Founded in 1974, Trinity has the technical expertise, industry depth, and capabilities to help clients achieve their goals across the natural and built environments.