AIS Project Engineer

July 2024 - Current

As a Project Engineer at AIS (Automatic Identification Systems), I coordinate, install, and close out automation projects for end-of-line packaging systems.

- Led automation projects involving marking, inspection, and label application systems.
- Managed system integration of barcode scanners, vision systems, and PLC-based controls.
- Conducted Factory and Site Acceptance Testing (FAT/SAT) for fully integrated lines.
- Collaborated with vendors and internal teams to ensure seamless project delivery.
- Provided technical support and documentation for commissioning and handover.

Allegro Acoustics – Senior Acoustic Consultant

August 2021 – January 2024

As a Senior Consultant, I delivered high-impact acoustics projects from concept to completion, ensuring technical excellence and timely execution.

- Delivered environmental noise control solutions for industrial and commercial sites.
- Designed room acoustics treatments for performance spaces, studios, and offices.
- Conducted occupational noise assessments to ensure regulatory compliance.
- Performed sound insulation evaluations and provided mitigation strategies.
- Led cross-functional collaboration with architects, engineers, and stakeholders.

Other Experience

Wright Concrete Products – General Operative

- Managed daily hollowcore production, quality control, and compressive strength testing.

Thermo King Galway – Student Engineer

- Assisted in developing and improving manufacturing processes on the production floor.

Skills

Automation Skills

- Sysmac Studio
- TIA Portal
- Cognex
- Datalogic

CAD Software

- Autodesk
- Creo Parametric
- Solidworks
- Onshape
- Bambu Studio (3D Printing)

Programming Languages

- C#
- Matlab
- Excel VBA
- LATEX \\do the latex formatting thing.

General

- Microsoft Office
- Unity
- Blender

Acoustic Softwares

- SoundPlan
- Odeon Room Acoustics
- Noise Tools
- Insul
- Noise at Work

Certificates

- Fás Safe Pass
- Cognex In-Sight Vision Suite Spreadsheet Advanced
- Loftware Cloud Solutions Expert
- Engineers Ireland Technical Report Writing
- Full Irish Driver's Licence

Projects

Environmental Noise Planning Applications / Assessments

– Grange Backup Power Plant (96MW)

– BT Ireland Data Centre Blanchardstown

– Friarstown 50MW Solar Farm

– Merck 2.0 (A €150 million expansion of the Merck manufacturing facility)

– The Project Dargle Schools Bundle

– ESB Aghada Generating Station

Room Acoustics

– Irish Life Block 3 (A major redevelopment of the Irish Life offices on Abbey Street.)

– Termini Office Fitout

Occupational Noise Assessments

– Airforce H&V

– Keltech