

Data Centre Support

Trinity Consultants is a leading global environmental consulting firm that brings 50 years of experience providing services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Trinity has the technical expertise, industry depth, and specialized capabilities to help clients achieve their goals across the natural and built environments.

In 2020, AWN Consulting Ltd. joined the Trinity Consultants Water & Ecology team to unite in excellence and provide outstanding client service.

Our technical expertise, client-focused teams, and interdisciplinary services have allowed AWN to become a trusted partner for clients. Joining the Trinity Consultants' team of prominent industry experts, specialties, and technical resources has significantly expanded our footprint across the globe and enhanced our ability to solve our clients' most complex problems

At AWN we pride ourselves on the delivery of high quality technically sound Environmental Impact Assessment services. We have an established role in conducting environmental impact assessments for the majority of Data Centres in the Dublin region and the knowledge gained from these projects makes us uniquely positioned in the Irish market. To date we have provided specialist Environmental Impact Assessment services for over thirty-five data centre developments including Data Centres at Clonee, Blanchardstown, Cruiseraith, Clonsaugh, Grange Castle, Wicklow, and Tallaght.

The AWN Team has many years' experience in the preparation of EPA Industrial Emissions and Integrated Pollution Control Licence Applications. We can help a company through all stages of the application process, from initial discussions and licence scoping with the EPA, through to completion of licence application and compilation of necessary assessments.

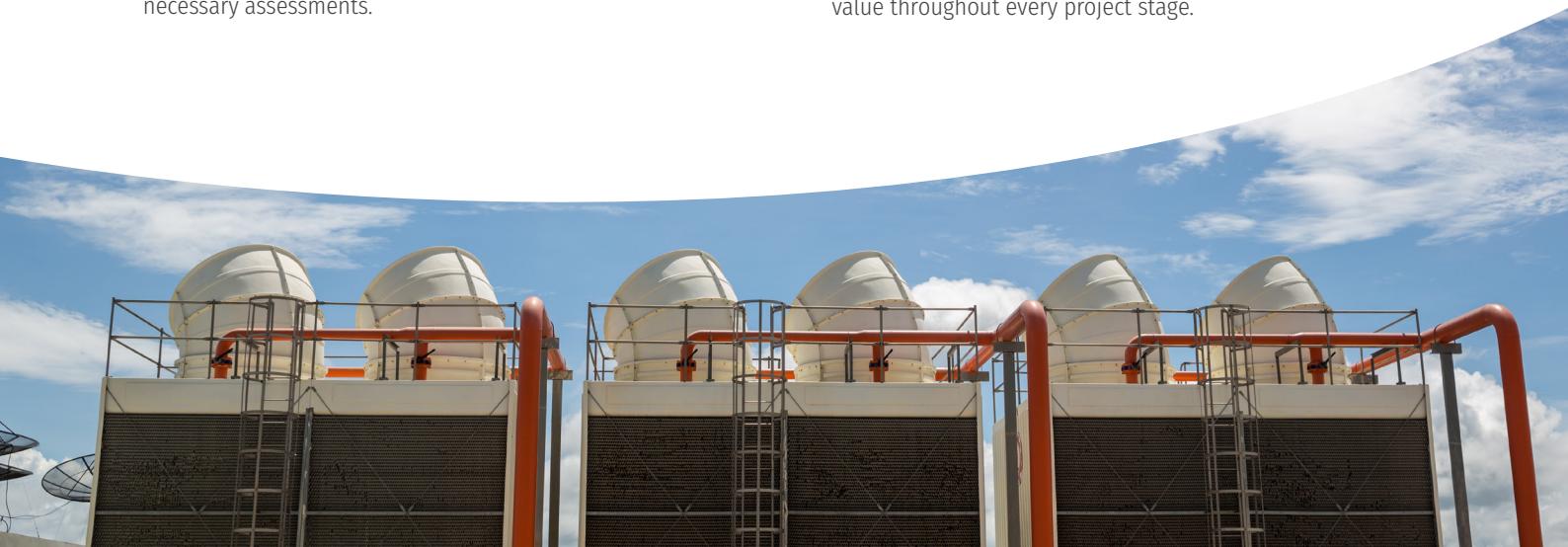


AWN coordinates Environmental Impact Assessment Reports for inclusion with Planning Applications and EPA Licences (as needed) in accordance with the most relevant guidance. We co-ordinate with expert consultants for areas not covered by our in-house team.

We have a team of in-house air, noise, soil, and water specialists who provide environmental modelling and impact assessment support to the licence application process. We place a specific emphasis on our unique ability to not only conduct impact assessments but to provide support to engineering teams to assist them in focusing on compliance with licence criteria.

Environmental Team

AWN's Environmental Team delivers innovative, sustainable solutions that help businesses and communities thrive while protecting natural resources. With extensive experience across industries including data centre developments, we offer tailored services ensuring expert guidance and lasting value throughout every project stage.



Our Environmental Impact Assessment team conducts thorough evaluations to support responsible development. From project inception, we manage scoping, baseline studies, and impact predictions, preparing EIA reports that meet regulatory requirements and enable sound decision-making. Our team can also assist with site selection and due diligence assessments.

Our waste management experts design customised strategies to optimise resource use, improve operational efficiency, and support circular economy goals. Services include waste characterisation, resource audits, recycling planning, and site waste management plans, ensuring compliance and measurable benefits.

For water and soil protection, AWN provides comprehensive assessment and remediation, including contamination surveys, hydrogeological risk evaluations, and ongoing monitoring. We help clients manage environmental risks and restore sites to regulatory standards, supporting both development and community well-being.

Post planning grant and during construction continuous environmental monitoring is vital for compliance and risk management. AWN offers integrated solutions for air, water, soil, noise, and vibration, delivering reliable data and clear reporting to support adaptive management and stakeholder engagement.

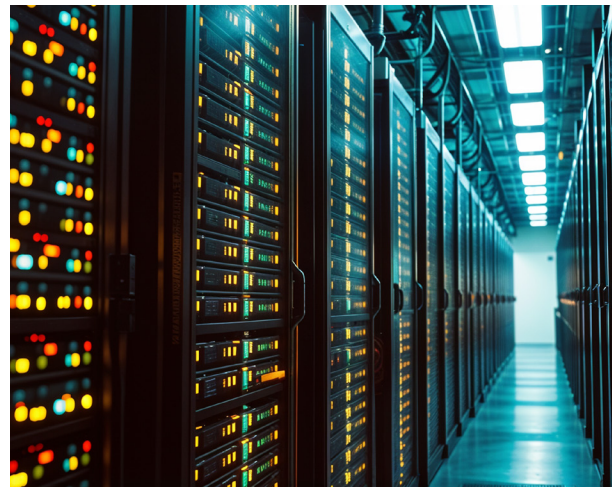
Environmental Team Services:

- ▶ Contaminated Land and Groundwater Qualitative Risk Assessment
- ▶ Hydrogeological Assessments and Aquifer Characterisation
- ▶ Design and Implementation of Groundwater and Surface Water monitoring programs
- ▶ Waste Management Strategy (Construction and Operational)
- ▶ Waste Permit Applications
- ▶ EPA Waste Licence Application and Compliance
- ▶ Closure Audits, Environmental Liability Risk Assessment, and Residuals Management Plans, Fire Water Risk Assessment
- ▶ Seveso II and Environmental Risk Assessment

Air Quality and Climate

The air quality impacts of new and existing industrial facilities are typically assessed using the state of the science AERMOD and ADMS air dispersion models. These models offer cost-effective engineering solutions in terms of optimized stack heights and building layouts, flexibility in operating conditions and options to maximize fuel switching on-site.

AWN Consulting undertakes complex air dispersion modelling assessments for a range of clients using USEPA and EPA approved models such as AERMOD & ADMS.



Our team of air dispersion modellers ensures that full compliance with the full range of complex ambient air quality legislation and regulations is achieved whilst meeting the business and development goals of the client company.

AWN's consultants have undertaken assessments in support of both planning applications and EPA licence applications.

Air Team services:

- ▶ Construction phase dust deposition and PM₁₀ monitoring
- ▶ Health & safety air monitoring for dust, VOCs, and metals
- ▶ Indoor air quality monitoring for CO, CO₂, temperature, and relative humidity
- ▶ Baseline monitoring programmes for a range of air pollutants including dioxins, heavy metals, NO_x, SO₂ and PM₁₀.
- ▶ Indoor Air Monitoring
- ▶ Health & Safety Workplace Air Monitoring

Noise and Vibration

AWN Consulting can provide a comprehensive range of services in respect of the measurement, modelling, analysis, and mitigation of noise. We employ state-of-the-art instrumentation and software to ensure excellent standards of accuracy and repeatability.

Noise level monitoring may be conducted by either staffed surveys or continuous logging devices, whichever is more appropriate to the situation or licence. Survey data is comprehensively analysed to provide the information in the required format. In the event that limit values are exceeded, AWN will identify the noise sources giving rise to the issue and will provide comprehensive advice in respect of the most cost-effective means of noise control.

AWN also makes extensive use of proprietary noise modelling software in order to conduct detailed appraisals of noise sources and their associated impact at off-site locations. This is of particular importance when the site is large or in the case of a site with a considerable number of



noise sources. This approach means that, where appropriate, noise control measures may be targeted at those sources making the greatest contribution to noise emission levels.

Noise models are also of benefit whenever a site is being expanded or when additional plant items are being introduced, as they allow us to assess possible future implications and arrive at practicable solutions. We are able to provide vibration monitoring that can be tailored to the specific requirements of any given site. For example, short-term attended measurements may be appropriate to satisfy the requirements of a licence application or annual report for a site that does not generate significant levels of vibration.

Noise Team services:

- ▶ Construction and Operational Noise & Vibration Impact Assessment
- ▶ Noise Prediction Modelling
- ▶ Long Term Monitoring – Construction Noise & Vibration, Baseline Noise Climate
- ▶ Environmental Noise Surveys
- ▶ Assessment of Noise Nuisance
- ▶ Assessment of Vibration Complaints
- ▶ Wind Farm Noise Assessment & Compliance Monitoring

AWN Can Help

Whatever your challenges, AWN has the experience and insights to provide intelligent solutions to streamline your air and environmental reporting and noise mitigation processes. Our knowledge and expertise across a wide range of related issues makes us an excellent partner for addressing your data centre support needs.

For more information about how AWN can help your team with data centre support, please contact our expert team:

Teri Hayes, Director (Environment & Water)
01.847.4220 / teri.hayes@awnconsulting.com

Dr. Fergal Callaghan, Director (Environment & Risk)
01.847.4220 / fergal.callaghan@awnconsulting.com

Jonathan Gauntlett, Associate (Environment)
01.847.4220 / jonathan.gauntlett@awnconsulting.com

Dr. Edward Porter, Director (Air Quality & Climate)
01.847.4220 / edward.porter@awnconsulting.com

Jennifer Harmon, Director (Acoustics)
01.847.4220 / jennifer.harmon@awnconsulting.com

ISO 9001:2015 certified at our corporate office in Dallas, Texas