

# Construction Environmental Management/ Environmental Compliance Service



## CHALLENGE

The scale and pace of construction required a proactive environmental approach, with early identification of risks, continuous oversight during intensive works and clear communication to prevent issues across multiple work fronts.

## SOLUTION

AWN delivered a solution focused construction environmental compliance programme, combining full time on site monitoring, early risk identification and preventative measures with auditing and targeted inspections.

## RESULT

AWN's environmental proactive approach supported the successful delivery and completion of a complex technology campus with its associated ancillary infrastructure by reducing environmental risk, ensuring continuous compliance and protected the programmes integrity.

## INTRODUCTION

AWN Consulting, a Trinity Consultants team, was appointed to provide environmental compliance services for a large cloud operation & innovation campus in the Greater Dublin area, Ireland. The project comprised of extensive enabling works, services infrastructure including a substation and attenuation ponds for surface runoff water, two data centre hall structures, ancillary structures for fire suppression and green spaces that were delivered within a sensitive site and a complex regulatory framework.

AWN's role focused mainly on the construction phases of the project. Environmental compliance services were carried out on this project and location, with particular emphasis on anticipating environmental risks that may result in financial & program delay, provide practical solutions and prevent any previous issues from recurring. These were the main focus points of the service provide. In addition to this on-site monitoring, audit readiness and compliant with planning conditions & environmental commitments were also provided to a high standard. Services were specifically tailored to the construction programme and current site status, with on-site presence adjusted accordingly to ensure budget constraints are circumvented and in person presence was available for all the relevant phases of the construction process.

During periods of intensive construction activity, AWN provided a full time on site environmental representative to support the contractor team, advise on environmental controls, resolve issues upon discovery, prevent non-compliances, and respond promptly to emerging risks. During periods of reduced construction intensity, the level of on-site presence was scaled back, while maintaining appropriate oversight through scheduled inspections and ongoing liaison with the project management team.

This flexible, solution led approach ensured environmental requirements were embedded within the day-to-day construction activities while remaining proportionate to the scale and nature of the works.

## CHALLENGE

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The project presented environmental compliance challenges due to its scale and timeline intensity with multiple work areas being attended to by various contractors and subcontractors. With such a complex and sensitive project, this can create a challenge where, even a minor, environmental risk or issue is not identified precognitively, it may cause an escalation into non-compliances, delays to programme milestones and remedial costs. Therefore, proactive environmental management is critical to ensure consistent environmental compliance and achieving the required environmental commitments.

Key challenges included maintaining adherence to planning conditions, ensuring effective implementation of the Construction Environmental Management Plan's and managing construction related impacts such as surface water runoff, waste handling, incident-prevention and -readiness.

For a project of this nature, environmental performance is usually linked to commercial performance. A pollution incident, unresolved non-compliance issue or poorly documented control measure can result in significant financial consequences, including remedial costs, regulatory scrutiny, delay to works, disruption to sequencing and additional contractor time management.

The challenge was therefore not to simply monitor and enforce compliance, but to also create a proactive environmental management system that supported the construction programme, reduced risk and built a strong environmental culture across the project with site based presence.

## SOLUTION

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AWN implemented a robust environmental compliance programme tailored to the changing intensity of site activity. This included regular site inspections, formal environmental audits and ongoing review of contractor environmental documentation to ensure compliance is upheld throughout all elements of the project.

During periods of intensive construction activity, AWN provided a full time on site environmental representative. This role involved daily monitoring of site activities, verification of environmental controls and working directly with site teams to identify potential issues early and implement practical preventative measures. Immediate follow up was undertaken where non compliances were identified, with emphasis placed on avoiding recurrence.

As construction activity reduced AWN adjusted its onsite presence accordingly, maintaining oversight through planned inspections, audits and continued liaison with the contractor and the project management teams. This ensured the service remained efficient, proportionate and professional. This approach contributed in such a way that it did not compromise the project compliance state and incurring any budget constraints.

## RESULT

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AWN's construction environmental monitoring and auditing approach supported the compliant delivery of the technology campus by aligning environmental oversight with the various construction activity levels and focusing on prevention rather than reaction.

The presence of a full time environmental representative during rigorous construction periods enabled early identification and resolution of potential issues before they could escalate, providing immediate assurance to the project team and supporting programme certainty. During less intensive phases, a reduced but structured site presence ensured continued compliance while remaining proportionate to the works being undertaken.

Regular environmental site inspections & audits and clear reporting provided transparency on compliance status and supported consistent environmental performance across the different disciplines of the project teams. The lessons that were learned from previous encounters were applied throughout the programme, strengthening environmental controls and reducing the possibility of repeating issues.

Overall, the project demonstrates AWN's capability to deliver flexible, construction focused and solution driven environmental compliance services combining strong on site management, targeted monitoring and proactive risk management to support successful project outcomes.

### 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.