

Construction Environmental Management/ Environmental Clerk of Works



CHALLENGE

The scale, phased delivery and environmental sensitivity of the campus required a proactive approach to risk management, with early intervention needed to prevent environmental issues during construction.

SOLUTION

AWN delivered a solution focused environmental compliance programme, prioritising early risk identification, practical mitigation measures and close engagement with site teams to prevent environmental issues.

RESULT

AWN's preventative, solution focused approach reduced environmental risk, supported planning compliance and helped avoid incidents and delays during construction.

INTRODUCTION

AWN Consulting, a Trinity Consultants team, was appointed to deliver environmental engineering and construction environmental compliance services for a large technology and innovation campus in County Kildare. The development comprised extensive infrastructure, utilities, landscaping and supporting works delivered through a complex, multi phase construction programme.

From the outset, AWN's role extended beyond monitoring and reporting. A core element of the service was the early identification of environmental risks and the development of practical solutions to prevent issues arising during construction. This preventative approach was embedded within day to day site activities and decision making.

AWN provided regular site inspections, review of contractor environmental documentation and ongoing liaison with the wider project team. Environmental advice was provided in real time, allowing potential non compliances to be addressed before they could escalate into incidents, delays or regulatory concerns.

By working collaboratively with contractors and designers, AWN helped ensure that environmental requirements were understood, achievable and integrated into construction planning. This approach supported efficient delivery of the project while maintaining a high standard of environmental compliance throughout construction.

CHALLENGE

The construction of the technology and innovation campus presented a range of environmental challenges associated with its scale, complexity and phased delivery. Multiple contractors operated simultaneously across the site, increasing the potential for environmental risks if not carefully managed.

Key challenges included maintaining compliance with planning conditions, protecting surface water features, managing construction-related runoff and waste, and ensuring consistent environmental standards across all work areas. The dynamic nature of the construction programme meant that risks evolved as works progressed.

Traditional reactive monitoring alone would not have been sufficient on a project of this scale. There was a clear need for early identification of potential issues, practical problem-solving on site and close engagement with contractors to prevent non-compliances occurring in the first place.

The project therefore required an environmental compliance approach that focused on prevention rather than correction, combining strong site presence with technical expertise and clear communication to support proactive environmental management throughout construction.

SOLUTION

AWN implemented a proactive construction environmental compliance programme aligned with the construction phasing and planning requirements. Regular site inspections and audits were undertaken, alongside continuous review of contractor documentation such as Construction Environmental Management Plans and method statements.

A key element of the approach was working directly with site teams to identify potential environmental risks at an early stage and develop practical, site-specific solutions. This included advising on sequencing of works, refinement of mitigation measures and adjustments to site practices to avoid issues before they arose.

Clear and concise reporting was provided to the project team, but equal emphasis was placed on face-to-face engagement, toolbox talks and ongoing dialogue with contractors. This ensured environmental requirements were understood and applied consistently across the site.

Where issues were identified, AWN worked collaboratively with the project team to resolve them promptly and prevent recurrence, supporting continuous improvement in environmental performance throughout the construction phase.

RESULT

AWN's proactive and solution-driven approach contributed to effective environmental management throughout construction of the technology and innovation campus. By identifying risks early and providing practical solutions, many potential issues were avoided before they could impact programme, compliance or environmental performance.

The focus on prevention reduced the likelihood of environmental incidents and minimised the need for reactive corrective actions. Contractors benefited from clear guidance and early input, allowing environmental considerations to be integrated into construction planning rather than addressed retrospectively.

Regular engagement, clear communication and collaborative problem-solving helped embed good environmental practice across the site. This approach supported consistent compliance with planning conditions and regulatory requirements throughout the construction phase.

Overall, the project demonstrates the value of AWN's preventative environmental compliance model, combining technical expertise, strong site presence and practical problem-solving to support efficient and compliant delivery of complex developments.

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.