

 **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 specialised capabilities to help clients achieve their goals across the natural and built environments.

In 2020, AWN Consulting Ltd. joined Trinity Consultants to unite in excellence and provide outstanding client service.

AWN, a Trinity Consultants team, provides specialist Mould Monitoring & Mitigation services to support clients in identifying, managing, and remediating mould and dampness issues within commercial, industrial, residential, and institutional buildings. Our approach protects occupant health, supports regulatory compliance, and safeguards building assets.

Excessive moisture within buildings can lead to the growth of mould, fungi, and bacteria. Research has shown clear links between damp buildings and adverse health outcomes including respiratory symptoms, asthma, rhinitis, sinusitis, hypersensitivity pneumonitis, and respiratory infections.

AWN provides a comprehensive suite of mould monitoring services, including advanced techniques not widely available in Ireland. Among these is specialised surface-swab sampling, where collected swabs are laboratory-analysed to determine colony-forming units per square metre (CFU/m²), and air sampling to determine the success of remediation. This allows us to benchmark results against relevant limit values, giving clients clear, evidence-based insight into surface cleanliness and contamination risk. Our combination of sophisticated monitoring, robust analysis, and expert interpretation ensures a high level of assurance across all projects.

Why Mould Mitigation Matters

Uncontrolled dampness and mould growth can result in health



impacts, material degradation, odour issues, reputational risk, and operational disruption. Proactive identification and mitigation are essential to maintaining safe and functional indoor environments.

Causes of Dampness and Mould Growth

- Roof, façade, and window leaks
- Flooding and water ingress events
- Condensation due to inadequate ventilation
- Plumbing failures and hidden leaks
- High indoor relative humidity
- Poor building design or detailing
- Wet foundations or ground conditions

Emerging risk factors include tightly sealed buildings, temporary or modular structures, and increased rainfall intensity associated with climate change.

Assessment and Investigation

A detailed visual inspection is the most effective first step in assessing mould risk. Indicators include visible mould growth, damp staining, musty odours, condensation, and evidence of leaks or flooding. Where visible mould is present, remediation should proceed without delay for sampling.

Targeted air or surface sampling may be undertaken where appropriate, with results interpreted in the context of outdoor background conditions and recognised methodological limitations.

Mould Remediation Strategy

AWN supports clients through the full remediation process, aligned with recognised international guidance:

1. Source control – permanent resolution of moisture sources.
2. Containment and protection – appropriate segregation and PPE.



3. Cleaning and removal – wet cleaning, HEPA vacuuming, and removal of damaged materials.
4. Verification – confirmation that moisture issues are resolved and mould has been removed, as well as surface swabbing and air sampling to determine if mould spore concentrations are below relevant standards.

Completion Criteria

Mould mitigation is considered complete when moisture sources are addressed, all visible mould and damaged materials are removed, no mould-related odours remain, measured mould spore concentrations in air and on surfaces are below relevant standards, and follow-up inspection confirms effectiveness. Occupied spaces should not trigger recurrence of symptoms.

How AWN Can Help

AWN's multidisciplinary team delivers practical and proportionate mould mitigation solutions across offices, data centres, healthcare, education, residential, and industrial facilities. Our expertise ensures effective risk management while minimising disruption to operations.

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



CONTACT OUR TEAM!

For more information about how we can help your organisation, please contact us.

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