



ENVIRONMENTAL REMEDICATION



Ausdec om is a pioneering force in the field of environmental remediation, specialising in the transformation of sites affected by former industrial activities into clean, safe, and sustainable landscapes.

Accreditations

- GREEN STAR
- NATA



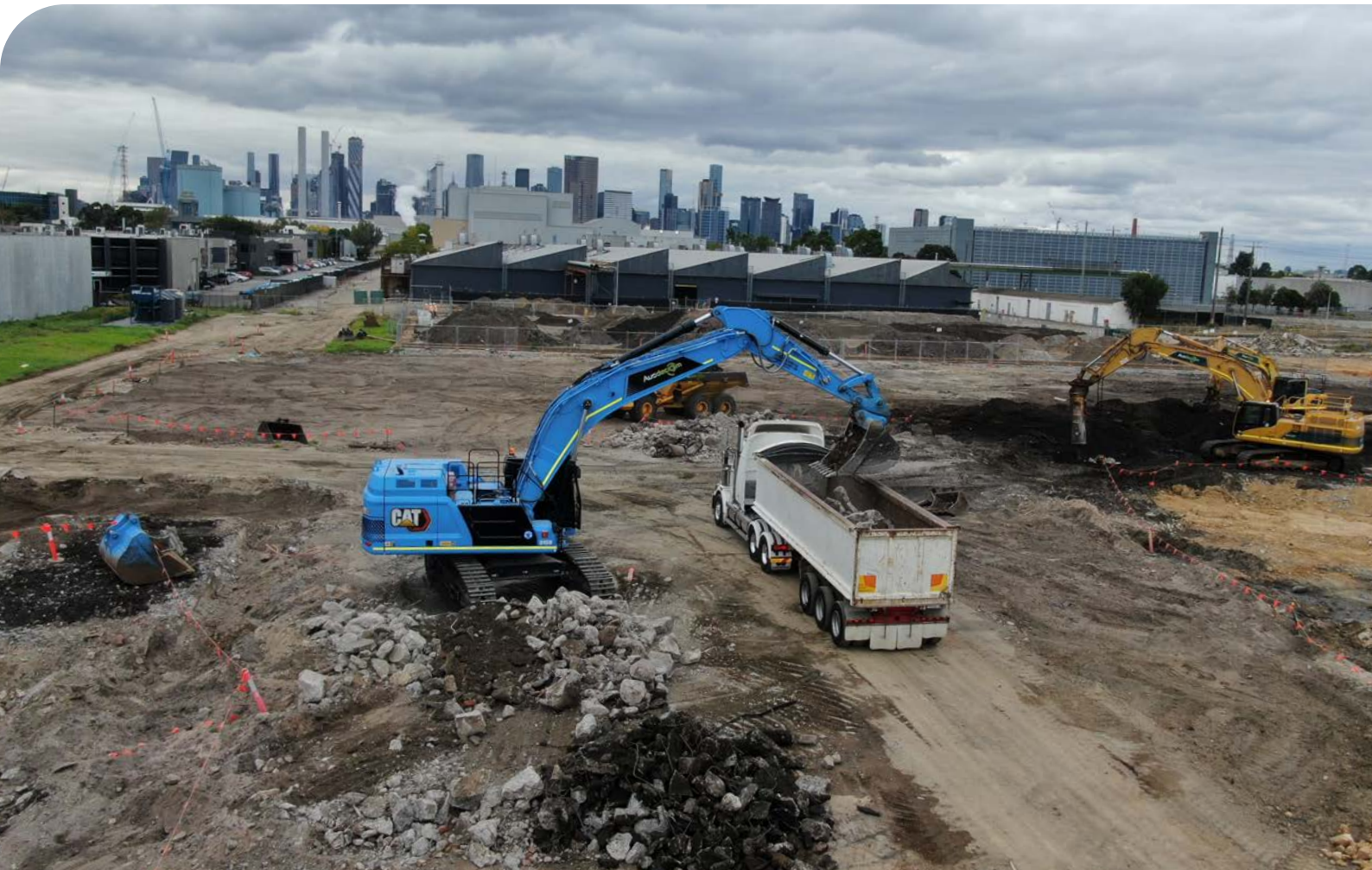
Our mission centres on addressing the complex challenges posed by legacy contamination, restoring ecological integrity to areas once marred by industrial use.

With an extensive portfolio that includes the remediation of hydrocarbons, PFAS, acid sulphate soils, heavy metals, asbestos, UXO, and explosives, we bring a comprehensive approach to tackling the diverse range of pollutants that can linger long after industrial operations have ceased.

Leveraging state-of-the-art treatment, stabilisation, and abatement technologies, we deliver tailored solutions that navigate the intricacies of each site's specific contamination profile.

Our commitment is to not only to remediate the environmental legacy of past industrial activities but also to pave the way for future development and ecological restoration.

At Ausdec om, we are dedicated to converting contaminated lands into assets for clients, communities, and the environment.



WHY CHOOSE AUSDECOM?

Expertise and Experience

Our team comprises environmental scientists, managers, engineers, and remediation specialists with extensive experience in tackling a wide array of contamination issues. Our expertise ensures that all projects are executed with the highest level of precision and professionalism.

Innovative Solutions

Ausdecom is committed to innovation, continuously evolving our techniques and methodologies to offer the most effective and efficient remediation solutions available. We strive to reduce the environmental footprint of our operations, promoting sustainable practices across all aspects of our work.

Regulatory Compliance

Understanding the complex regulatory landscape of land remediation, Ausdecom ensures that all projects comply with local, state, and federal environmental regulations. Our proactive approach to compliance helps clients navigate the regulatory process smoothly, avoiding potential pitfalls and liabilities.

Health and Safety

At Ausdecom, health and safety are paramount. We implement rigorous safety protocols and health monitoring systems to protect our employees, clients, and the community throughout the remediation process.

Client-Centric Approach

We prioritise our clients' needs and objectives, offering customised solutions and transparent communication throughout the project lifecycle. Our goal is to exceed client expectations, delivering projects on time, within budget, and to the highest possible safety & environmental standards.





Our treatment and stabilisation methods are at the forefront of environmental remediation technologies. We prioritise solutions that are not only effective but also sustainable and cost-efficient.

PFAS Remediation

At Ausdec◊m, our approach to PFAS (Per- and Polyfluoroalkyl Substances) remediation is built upon the latest scientific research and technological advancements. We utilise a multifaceted strategy that includes site assessment, contaminant mapping, and the implementation of advanced treatment technologies such as stabilisation, adsorption, and advanced oxidation processes. Our team is skilled in creating custom solutions that not only remove these persistent contaminants but also prevent further environmental degradation, ensuring long-term site recovery and compliance with stringent environmental standards.

Hydrocarbon Contamination

Our expertise in hydrocarbon remediation encompasses a broad spectrum of contaminants, including petrol, diesel, oils, and a vast array of petroleum products. We deploy a combination of physical, chemical, and biological treatments tailored to the specific characteristics of the site and the nature of the contamination. Techniques such as soil enhanced bioremediation, soil vapor extraction and soil washing are employed to effectively degrade or remove hydrocarbons, restoring the land to a safe and usable condition while minimizing the impact on the surrounding ecosystem.



Heavy Metals Stabilisation

Heavy metals pose a significant challenge due to their persistence and potential toxicity. Ausdecom addresses heavy metal contamination through innovative stabilisation and solidification techniques. By transforming bioavailable forms of heavy metals into less soluble, mobile, or bioavailable forms, we significantly reduce the risk they pose to human health and the environment. Our strategies are designed to meet site-specific conditions and regulatory requirements, ensuring a comprehensive and compliant remediation process.

Asbestos Removal & Abatement

Asbestos contamination requires a careful and methodical approach due to its hazardous nature. Ausdecom's asbestos removal services are conducted with the utmost attention to safety, regulatory compliance, and environmental protection.

Our certified professionals are equipped with specialised equipment and follow strict protocols for asbestos abatement, including containment, air monitoring, and safe disposal. We ensure that all asbestos materials are handled appropriately, minimising exposure risks and providing peace of mind for our clients and the community.

Acid Sulphate Soils

Acid sulphate soils pose a unique environmental challenge, especially in coastal and estuarine areas, where disturbance can lead to the release of sulfuric acid. Ausdecom is adept at managing the complexities associated with acid sulphate soils, employing a strategic approach to mitigate their impact and restore land to its natural or intended use.

Unexploded Ordnance (UXO)

UXO remediation is a highly specialised field, requiring expert assessment and removal. Our approach includes geophysical surveys for UXO detection, followed by safe excavation and disposal by certified EOD (Explosive Ordnance Disposal) professionals, ensuring that no threats remain on the site.

Explosives

Similar to UXO, remediation of sites contaminated with explosives involves detection, assessment, and removal. Techniques such as in-situ chemical oxidation or bioremediation are used to neutralise explosive residues, ensuring that the site is safe for future use.

UST and UPSS Decommissioning and Removal

Ausdecom specialises in the decommissioning and removal of Underground Storage Tanks (UST) and Underground Petroleum Storage Systems (UPSS), ensuring the safe and efficient handling of these potentially hazardous systems. Our comprehensive services begin with detailed site assessments to identify the presence and condition of USTs and UPSS. We utilize advanced detection and monitoring technologies to ensure precise and safe decommissioning and removal processes. Our experienced team follows strict regulatory guidelines and best practices to manage the disconnection, removal, and proper disposal/destruction of these systems.





EXPERTISE IN CONTAMINATED WATERS, SLUDGES AND GROUNDWATER TREATMENT

Ausdecom extends its environmental remediation expertise to the treatment of contaminated waters and groundwaters, providing cost-effective solutions that significantly reduce the financial burden often associated with offsite disposal.

By addressing pollutants that threaten water quality and ecosystem health, we employ advanced technologies and methodologies designed to effectively remove or neutralise a wide range of contaminants, including chemicals, heavy metals, hydrocarbons, and other hazardous substances.

Our approach utilises a combination of physical, chemical, and biological treatment processes, such as filtration, adsorption, bioremediation, and chemical oxidation.

These tailored solutions not only ensure the comprehensive treatment of contaminated water sources but also prevent future contamination, safeguarding water resources while ensuring compliance with environmental regulations.

This strategic focus on onsite treatment methodologies not only preserves vital water resources but also offers a significant cost advantage by mitigating the need for expensive offsite disposal options.

With a commitment to innovation, sustainability, and cost efficiency, Ausdecom delivers superior water treatment solutions that facilitate the restoration of clean, safe water systems for communities and ecosystems, alongside notable economic savings for our clients.



ADVANCED REMEDIATION FOR CONTAMINATED SITES WITH BOUNDARY CHALLENGES

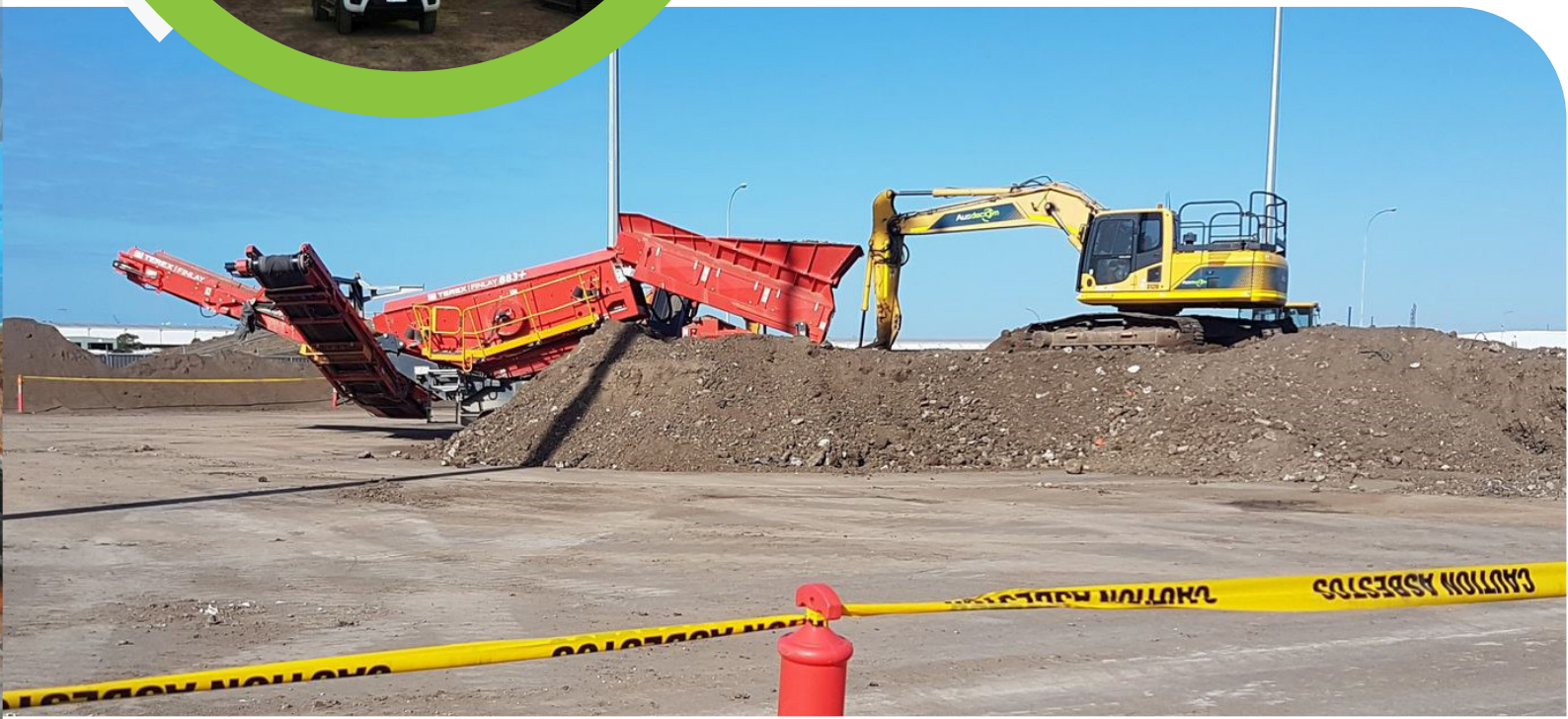
Ausdecom is uniquely positioned to tackle the challenges associated with contamination present on property boundaries, especially in scenarios where traditional remediation approaches are constrained by spatial limitations or the proximity to neighbouring properties.

Understanding the complexities of such difficult sites, Ausdecom offers comprehensive assistance that extends beyond standard remediation, incorporating geotechnical investigations to assess the stability and composition of the soil, as well as the extent of contamination.

Leveraging this detailed analysis, our team devises customised geotechnical retention designs and techniques, including bored piers, sheet piling, and other containment or stabilisation methods, to effectively manage and remediate the contaminated areas.

These strategies are carefully crafted not only to address the immediate environmental concerns but also to ensure the structural integrity of the site and the safety of adjacent properties.

By integrating our expertise in environmental science with advanced geotechnical engineering solutions, Ausdecom delivers a holistic approach that mitigates contamination risks, protects property values, and complies with environmental regulations, ensuring a safe and sustainable outcome for even the most challenging sites.



COMPREHENSIVE SERVICE OFFERING THROUGH ADVANCED TECHNOLOGIES

Our core competencies are underpinned by our commitment to leveraging the latest technologies and methodologies in the field of environmental remediation.

Each project begins with a thorough site assessment, including detailed contaminant analysis and risk assessment, to tailor our remediation strategies effectively.

We then design and implement a remediation plan that not only addresses the specific contaminants present but also considers the site's future use, local ecology, and community impact.

Ausdec's comprehensive suite of remediation services, underpinned by our core competencies, provides a solid foundation for tackling complex environmental challenges.

Ausdec's innovative strategies, combined with our extensive experience in environmental remediation, make us leaders in successfully managing and executing complex remediation projects across a wide range of contaminant scenarios.

Our dedication to innovation, sustainability, and safety ensures that we deliver superior results that meet our clients' needs and contribute positively to environmental restoration efforts.





With a proven track record of successful remediation projects, Ausdecom is your ideal partner in addressing complex environmental challenges.

Our commitment to excellence, innovation, and sustainability makes us a leader in the field of contaminated land remediation.

Contact us to learn more about how we can assist in your next remediation project.

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Ausdecom specialise in on-site treatment of contaminated soil and water.

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