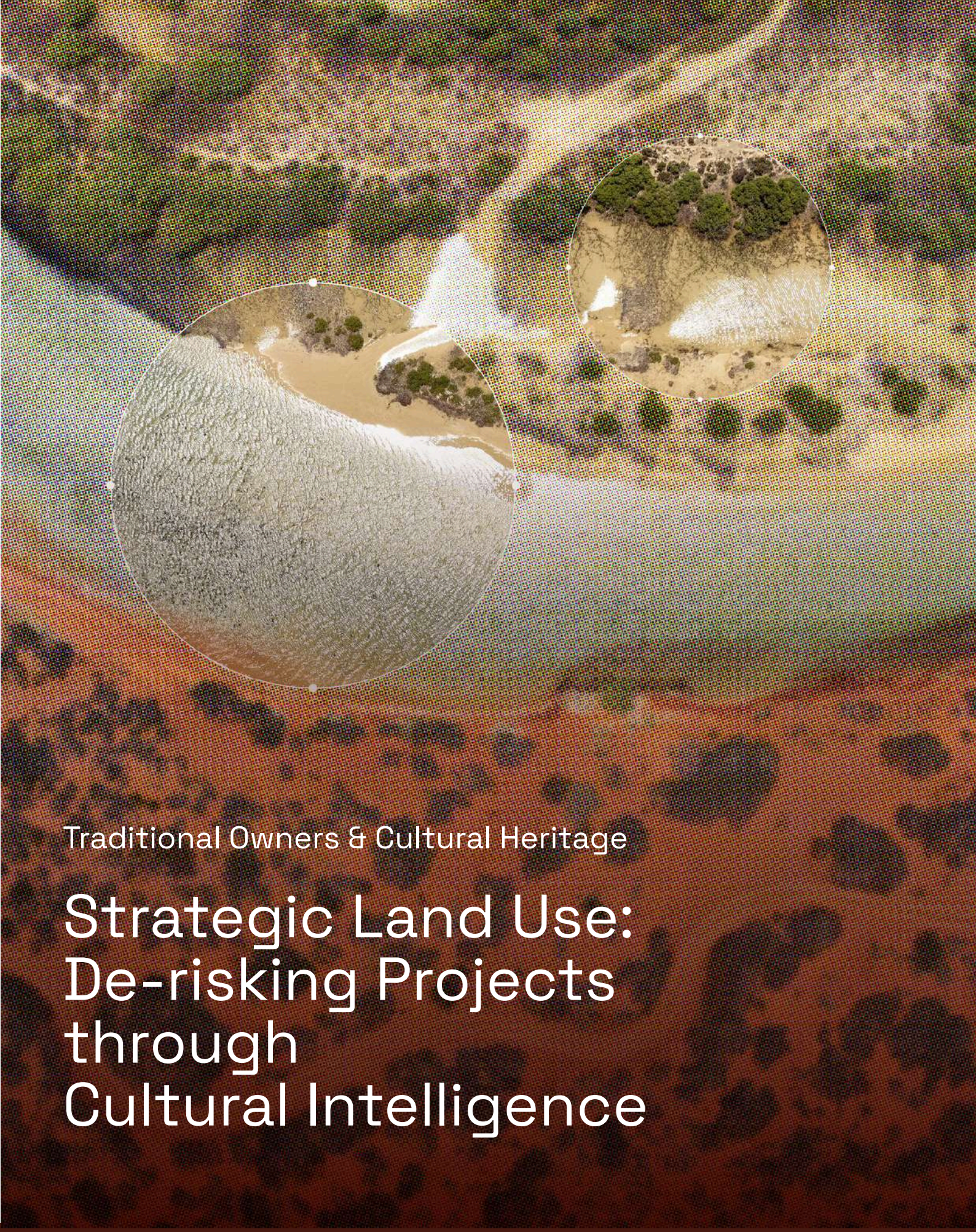

Traditional Owners & Cultural Heritage

Strategic Land Use: De-risking Projects through Cultural Intelligence

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Summary

BunjilView helps organisations plan land use responsibly by integrating cultural site data with environmental and development planning. By combining advanced geospatial technology, drone and satellite surveys, and multi-source datasets, organisations can assess potential impacts, manage access restrictions, and collaborate with stakeholders.

This ensures that land use aligns with cultural protocols, respects community values, and supports informed, socially responsible decision-making.

Snapshot

Project size	Up to 500 hectares encompassing culturally significant landscapes, waterways, and heritage sites
Technical aspects	Drone surveys, satellite imagery, ground sensors, GIS mapping, 3D visualisation, multi-source data integration
Impact	Protected cultural sites, informed planning, compliant development, collaborative stewardship

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The challenge

Planning land use in culturally significant areas requires a careful balance. Organisations must navigate operational objectives while ensuring sacred sites and heritage areas remain protected. Fragmented data and limited visibility across multiple sites can make it difficult to anticipate the cultural and environmental impacts of development or land management activities.

Without integrated, centralised information, decision-making is often reactive, which can unintentionally disturb sensitive environments, misalign with community values, or compromise compliance with regulatory and cultural standards.

Ensuring coordination between land managers, developers, and Traditional Owners is essential but challenging without a unified platform for shared insights.

The solution

BunjilView centralises cultural, environmental, and operational datasets into a single platform, transforming fragmented information into actionable intelligence. Drone and satellite surveys, ground sensors, and historical, cultural site records feed into interactive maps and 3D models, giving teams a clear, up-to-date understanding of land conditions.

This integrated approach enables organisations to plan land use with confidence, anticipating potential impacts, managing access restrictions, and coordinating interventions efficiently. By modelling potential scenarios, BunjilView supports proactive decision-making that minimises disturbances to sacred and ecologically sensitive areas.

Collaboration with Traditional Owners and stakeholders is facilitated through centralised dashboards, ensuring culturally informed stewardship remains embedded in every step of planning and operations.

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The impact

Using BunjilView, organisations can protect culturally significant sites while making informed land use decisions.

Site protection	High-resolution visibility to protect culturally significant landscapes while making informed land-use decisions
Regulatory alignment	Integrated multi-source data to support total compliance with environmental and cultural regulations
Stakeholder collaboration	A centralised source of truth that fosters transparent coordination among diverse project teams
Operational efficiency	Streamlined insights that allow for the simultaneous management of multiple remote sites
Sustainable practice	Technical excellence paired with cultural awareness to embed long-term responsibility into land management

The future

As development pressures and land management challenges grow, planning land use responsibly will be increasingly critical. BunjilView enables proactive, transparent, and culturally informed decision-making, ensuring that projects respect sacred sites, protect heritage, and align with community values.

Aligned with the PEM Foundation, BunjilView also supports initiatives that strengthen First Nations participation and culturally informed stewardship. By embedding social responsibility into technical workflows, the platform ensures that land management decisions protect people, communities, ecosystems, and Country for generations to come.

Strategic partnership

Integrating cultural intelligence

Balancing operational objectives with cultural heritage is one of the most significant challenges in modern land management. BunjilView acts as the bridge between development goals and respectful stewardship.

Contact info@bunjilview.com.au for a strategy session today.

Continue the series

Strategic land use is the practical application of our geospatial capabilities. See how this data feeds back into our broader vision for cultural protection and centralised management —visit www.bunjilview.com.au/insights and continue the series.

- **Previous:** Proactive Heritage Monitoring & Risk Mitigation
- **Vision:** Bridging Traditional Knowledge and Geospatial Precision

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Supply Nation CERTIFIED

NSWICC New South Wales Indigenous Chamber of Commerce

AAUS Australian Association for Unmanned Systems

BARS for RPAS Basic Aviation Risk Standard