



Regional
Winner in the
Asia-Pacific
Spatial
Excellence
Awards

ONE OF OUR RECENT PROJECTS

MAST GIS transformed how Tasmania managed and shared vital mooring information.

Insight GIS are powering effortless GIS for the needs of today's organisations. Founded in 1989, we have a proven track-record of creating for our customers the optimum solution for their specific GIS needs.



Insight GIS developed MAST GIS, a open source geographic information system, to help Marine and Safety Tasmania (MAST) efficiently manage more than 4,500 boat moorings across the state. The new system offers role-based access for staff and the public, integrates with MAST's existing Moorings SQL database, and provides mobile accessibility for field officers. It enables smarter mooring inspections, better public transparency and streamlined internal workflows.

WHY

As Tasmania's mooring demands grew, MAST needed a modern and flexible tool to manage licensing, field audits, marine zoning conflicts and public inquiries. The goal was to ensure fair mooring access, improve operational efficiency and future-proof data management through spatial technology.

BENEFITS

- **Unlimited staff access** replaced the 3-user limit
- Faster, **spatially informed** decision-making
- Public access **reduced customer service time**
- **Streamlined** mooring inspections and audits
- **Real-time** updates via mobile field access
- **Future-proof web-based** architecture

AWARD WINNING

MAST GIS was recognised as a Regional Winner in the 2018 Asia-Pacific Spatial Excellence Awards (APSEA) for Spatial Enablement, which honoured the system's ability to deliver real-world, community-wide benefits.

SOLUTION

Key features of the MAST GIS system include:

- Three access levels: Power users, MAST staff and the public, each tailored to their specific data needs and permissions
- A public-facing web map allowing users to view mooring locations and associated details, which improved community awareness and access
- Seamless integration with the Moorings SQL database ensured that all data remained consistent, current and secure
- A comprehensive info tool displaying mooring, owner and notes data to support efficient query resolution
- Robust search functionality to locate moorings by registration number, owner name or location
- A built-in audit logging system to track changes, support compliance and enhance accountability
- Mobile-responsive design for efficient use in the field, improving inspection workflows and reducing duplication of work
- Export features included image exports, map printing and mail merge capabilities for reporting and communications
- Developed with open source technology including PostGIS, GeoServer and Leaflet



SPEAK TO US NOW

Email: info@insightgis.com.au | Phone: 03 6234 5833
insightgis.com.au

