



Position No: 587

POSITION DESCRIPTION

Position Title:	Field Technician
Group Membership:	Engineering & Field Operations
Primary Location:	Townsville QLD
Direct Supervisor:	Engineering and Field Operations Manager
Position Classification:	AIMS AOF Level 3
Functional Area:	Technical Services
Position Summary:	To apply technical expertise to operate, deploy and maintain remote observing equipment, in support of scientific and technological research in field and laboratory environments, and to be involved in the design and creation of such instrumentation.
Position Responsibilities	<p>Actively participate in the planning, deployment, operation and maintenance of field-deployed scientific equipment and instruments to ensure all safety and legal standards are met and requirements for precision, accuracy and reliability are achieved.</p> <p>Plan and participate in fieldwork (including scuba diving) to service, deploy and recover equipment.</p> <p>Assist with development, design and fabrication of field deployed scientific observation equipment, including adaptation and application of current and new technologies in order to achieve research objectives.</p> <p>Contribute to development and continuous improvement of preventative maintenance schedules. Actively participate in maintaining the asset management and tracking system. Ensure all maintenance is completed to schedule and that equipment is reliable and available when required. Undertake troubleshooting and breakdown maintenance as required.</p> <p>Contribute to development and review of operational procedures and manuals.</p> <p>Ensure that data collected in the field is quality controlled and managed using set data procedures. Complete performance logs and reports.</p> <p>Comply with AIMS work-place safety policies and procedures to ensure a safe work-place.</p> <p>Comply with AIMS' Intellectual Property policies and procedures to ensure AIMS intellectual assets and property are protected.</p> <p>Comply with AIMS Code of Conduct ensuring the standards of conduct required of an AIMS staff member are upheld.</p>

Communicate in line with the AIMS 'Way We Will Work' Principles and uphold these values when dealing with others.

Key Responsibilities and Performance Standards

Science Outputs:	Assist scientific staff in the pursuit of research goals and objectives in laboratory and field environments through the operation, maintenance, deployment and development of remote observing equipment.
Occupational Health & Safety:	Ensure all tasks are performed in a safe manner. Identify workplace hazards and with your supervisor's guidance take corrective action. Immediately report any work-related accident, injury or near accident to your direct supervisor. Participate in inductions and training programmes.
Intellectual Assets & Property:	Ensure compliance with AIMS Intellectual Property policy, procedures and guidelines.
Delegations:	Financial: \$2000 Performance Planning & Evaluation: Complete performance planning and evaluation annually. Recruitment: N/A Leave: N/A
Team work/supervisory:	Direct Reports: 0 To work as a member of a multi-disciplinary team that values diversity while ensuring achievement of AIMS' goals and objectives.
External Customer, Partner, Collaborator and Stakeholder Requirements:	Liaise with external parties as required, regarding instrumentation equipment and accessories.
Internal Organisational relationships:	Scientific Research Staff: Provide the primary operational and technical support for remote observing equipment on field trips that use this equipment. Ensure that field-deployed equipment is reliable and available when required. Liaise with research staff on the design, manufacture, fabrication and implementation of field-deployed observation and other engineering equipment. Research Services and Corporate Services Staff: Liaise with relevant staff as required.
Financial responsibilities and accountabilities:	Contribute positional budget requirements. Manage AIMS funds in a responsible manner and within delegation. Comply with AIMS Fraud Prevention Plan ensuring the standards of conduct and ethical behaviour required of an AIMS staff member are upheld and that suspected

fraudulent activity is prevented and/or reported.

Innovation, problem solving and continuous improvement responsibilities:

Assist in the design and adaptation of remote observing equipment, including towed video, drop cameras, weather stations, BRUVS and autonomous / semi-autonomous vehicles.

Create solutions to immediate problems associated with the deployment and use of equipment on field trips.

Assist in the improvement of the day-to-day operations, systems and processes in the Field Operations Team.

Planning responsibilities:

Plan work activities to ensure achievement of timelines.

Contribute positional requirements to operational planning.

Communication responsibilities:

Communicate with scientific staff to gain an understanding of their needs and explain design specifications and safety requirements for usage in a clear and understandable manner.

Interact with other team members to facilitate achievement of group goals.

Communicate with Instrumentation Suppliers to achieve AIMS Goals.

Prepare technical reports detailing service and calibration of equipment.

Skills and Knowledge

Essential Skills and Knowledge:

Ability to work at sea in often demanding conditions for extended periods.

Workshop skills suitable for field maintenance work, calibration and testing and fault finding of electronics hardware and mechanical components.

Experience in logistics, planning and scheduling fieldwork activities in remote locations.

Experience with, or the capability to learn the operation and maintenance of, marine-deployed instrumentation and camera-based equipment.

Team orientated with a flexible, analytical approach with a commitment to quality and the ability to:

- work effectively in a workshop environment and away on field trips, at sea, and at moderate heights such as weather station masts;
- work on several tasks, adapt to changes in work readily;
- accept direction and provide cooperative assistance to supervisors and team members.

Technical and field report writing skills.

Knowledge of and a high level of commitment to the practices and principles of Occupational Health and Safety.

Motor Vehicle Drivers Licence.

Desirable Skills and Knowledge:

Knowledge of electronic instrumentation and PC systems, including interfacing and networking.

Qualifications and Experience

Essential Qualifications and Experience:

Trade or engineering qualifications in a relevant discipline, with demonstrated experience.

Recreational or Commercial Ship Masters Licence, Radio Operators Licence (VHF).

Desirable Qualifications and Experience:

Open-water recreational dive qualifications to a minimum of Dive Rescue or commercial diver qualifications to AS2815.1. Documented evidence of diving history.

Senior First Aid, with O2 and AED.

Elements of Shipboard Safety.

Experience with operation and maintenance of autonomous, semi-autonomous or towed under-water camera systems.

Experience with a wide variety of marine instrumentation.

Seagoing experience, especially back deck operations.

MR Truck and Forklift Licence.

Exposure to Maintenance Database systems

Technology and Equipment

Technology & Equipment Used:

Includes, but not limited to: autonomous, semi-autonomous or towed under-water camera systems, USBL acoustic positioning systems, SCUBA and small vessels (<8m).

Winches and Deck Hardware.

Interfacing computers with instrumentation.

Special Requirements

Other Special Requirements

Ability to Pass AS2299 Dive Medical.

Delegate Acceptance Signature:	
Date:	

SELECTION CRITERIA

Essential

- Trade qualifications in a relevant discipline, with demonstrated experience.
- Demonstrated ability to work at sea in often demanding conditions for extended periods.
- Workshop skills suitable for field maintenance work, calibration and testing and fault finding of electronics hardware.
- Workshop skills suitable for the operation and maintenance of electrical and mechanical systems in the field.
- Proven ability in logistics, planning and scheduling, preferably related to fieldwork activities in remote locations.
- Technical and field report writing skills.
- Team orientated with a flexible, analytical approach with a commitment to quality and the ability to
 - work effectively in a workshop environment and away on field trips, at sea, and at moderate heights such as weather station masts;
 - work on several tasks, adapt to changes in work readily;
 - accept direction and provide cooperative assistance to supervisors and team members.
- Knowledge of and a high level of commitment to the practices and principles of Occupational Health and Safety.
- Motor Vehicle Drivers Licence.

Highly Desirable

- Experience with, or the capability to learn the operation and maintenance of, marine-deployed instrumentation and camera-based equipment.
- Recreational or Commercial Ship Masters Licence, Radio Operators Licence (VHF).
- Advanced First Aid Qualifications.
- Elements of Shipboard Safety.
- Rigging or Dogger Qualifications.

Desirable

- Commercial Diver qualifications to AS2815.1.
- Truck Licence, Forklift Licence.
- Knowledge of Maintenance Databases.