

# Specifications



Built in WA in 2007



Steel hull



34.9m



Instrument moon pool



11 knot service speed



28 day endurance



18 personnel (science and ship crew)



Specialised instrumentation:

- Multibeam echosounder
- Thermosalinograph
- Underway Acoustic Doppler Current Profiler
- Water sampling rosette with Conductivity, Temperature and Depth instrumentation
- Towed video



Four tenders (rigid inflatable boats)



Wet and dry laboratories

- Area of vessel operation
- AIMS monitoring sites
- Weather stations
- Sensor networks

RV Solander

Broome

Darwin

Perth



## Who was Solander?

RV Solander is named after Dr Daniel Solander, an eighteenth-century Swedish naturalist, student of Carl Linnaeus and naturalist on board the HMS Endeavour.

During James Cook's voyage of discovery along the east coast of Australia, Dr Solander made a pioneering contribution to the scientific study of the continent.



## Come aboard

Explore the ship with our interactive 360° tour.

[bit.ly/2PSvpDX](https://bit.ly/2PSvpDX)

## Where is the RV Solander?

Track the *Solander* on its voyages.

[bit.ly/2JmYmgw](https://bit.ly/2JmYmgw)

## About AIMS

The Australian Institute of Marine Science is Australia's tropical marine research agency. In existence for half a century, it plays a pivotal role in providing large-scale, long-term and world-class research that helps governments, industry and the wider community to make informed decisions about the management of Australia's marine estate. AIMS science leads to healthier marine ecosystems; economic, social and environmental benefits for all Australians; and protection of coral reefs from climate change.

Learn more about us at [aims.gov.au](http://aims.gov.au)

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Australian Government



AUSTRALIAN INSTITUTE OF MARINE SCIENCE



# RV Solander

A purpose-built platform for tropical marine research





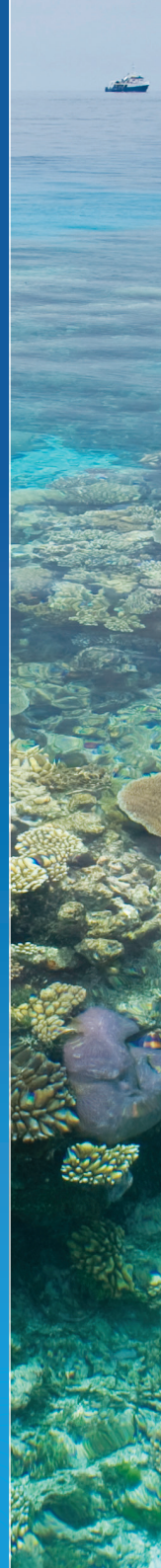
## The AIMS flagship

The research vessel *RV Solander* is the flagship of the Australian Institute of Marine Science's field research program, taking marine scientists to carry out research in Australia's remote tropical waters for up to 270 sea days a year, travelling as much as 25,000 nautical miles (46,000km).

*RV Solander* enables researchers to develop a comprehensive understanding of tropical marine biodiversity, oceanography and ecosystem functions across Australia's north.

The *Solander* is one of AIMS' two coastal research vessels – the only ships dedicated to marine research across Australia's tropical waters between the coast and the edge of the continental shelf.

AIMS is a global leader in tropical marine research, with the role of supporting Australia's tropical marine ecosystems and sustainable marine industries.



## Science in action

The *Solander's* ocean-going capabilities provide AIMS with access to remote sites across Australia's tropical marine estate. In any year the *Solander* steams to locations at Ningaloo Reef in Western Australia, across the Top End, and down to the southern Great Barrier Reef. Researchers often work with the Traditional Owners of the Sea Country areas, using a two-way learning approach to foster meaningful exchanges of science knowledge and local capacity-building initiatives.

The *Solander* is a floating laboratory that deploys advanced technology such as a state-of-the-art multibeam echosounder, to produce 3D maps of large areas of Australia's uncharted seabed. It's on-board research capabilities enable AIMS scientists to:

- monitor and assess corals and marine life in ecologically critical locations
- map the seabed and ocean currents
- study coral resilience
- develop reef adaptation and restoration techniques and more.



## Supporting the health of Australia's tropical oceans

The *Solander* has a range of 2,700 nautical miles, and conducts about 26 research cruises a year, each lasting between 7 and 21 days. The vessel can accommodate 12 scientists and is crewed by a team experienced in scientific support.

Equipped with a suite of research facilities, including laboratories and deck equipment for deploying high tech instruments, the *Solander* undertakes the science necessary to protect Australia's tropical oceans and support the sustainability of marine industries underpinning our "Blue Economy".