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DEFENSE & SECURITY

ENVIRONMENTAL MONITORING

RISKS & EMERGENCIES

URBAN PLANNING,
CIVIL ENGINEERING
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MAPPING

MARITIME SURVEILLANCE

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MARITIME SURVEILLANCE SERVICE

VESSEL DETECTION

PAZ Vessel Detection System (VDS) is an automatic monitoring tool, capable of scanning large sea areas, which embeds algorithms in order to detect ships on PAZ Satellite imagery and fuse the results with AIS (Automatic Identification System) data. A final report is delivered, including AIS signal correlation to pinpoint non-collaborative vessels.

VDS can be valuable to monitor maritime traffic, control maritime borders, combat illegal fishing, countering piracy and smuggling, etc., increasing the maritime security.

Vessel Detection

Latitude	-23.783 °
Longitude	151.5202 °
ID	4
Length	292.0 m
Width	45.0 m
MMSI	
IMO	
CallSign	
ShipClass	Cargo
Cargo	Undefined
Destination	AU GLT
SOG	0.011567
COG	92.8299

☐ Vessel detection with PAZ data, without SAT-AIS correlation
☐ Vessel detection with PAZ data, with SAT-AIS correlation

Rodds Bay (Queensland, Australia)
Acquisition Date and Time: 22 December 2018, 19:24:40 UTC
Mission: PAZ | Image Mode: StripMap | Product Type: MGD
Resolution Type: RE | Polarization: HH
PAZ Satellite image © Hisdesat Servicios Estratégicos S. A. 2018