

Marine Traffic Survey

Marine traffic surveys for offshore energy developments

With our extensive experience of shipping data collection and analysis for offshore developments, Anatec can support you through the consent process.

The Maritime and Coastguard Agency's consent guidelines for offshore renewable energy installations (OREIs) state the requirement for developers to undertake an *"up-to-date traffic survey of the area concerned, this must include not only all commercial traffic, but also fishing vessels and pleasure craft."*

Anatec has extensive experience in carrying out such maritime traffic surveys, combining radar, AIS and visual observations. Our experience includes collating and analysing maritime traffic survey data for over 100 locations around the UK.

Depending on the location, data can be collected in a cost-effective manner using onshore radar & AIS mounted on a suitable structure, or by chartering a survey vessel. There may also be scope to collect traffic data during other work on site, such as other surveys, provided suitable equipment and personnel are used.

Live data on vessel movements is recorded and track information replayed to identify detailed information on vessel routing, relative to a proposed site. Surveys provide information on merchant vessel movements, as well as recreational craft and fishing vessel activity.

The parameters recorded for each target include:

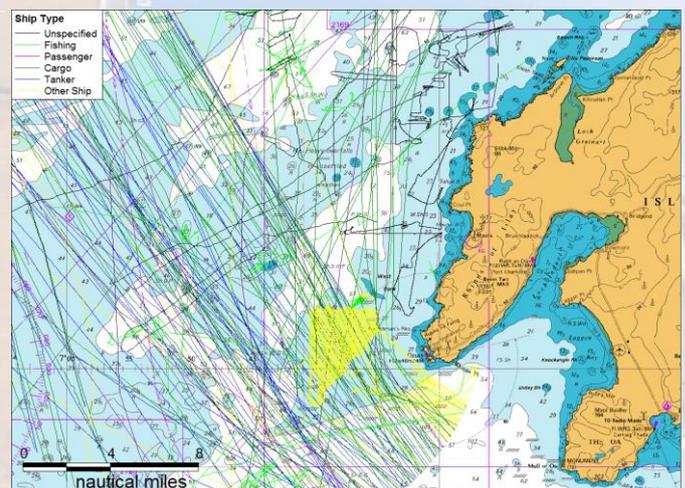
- Date & Time;
- Position;
- Speed & Course;
- Type & Size

This data can be supplemented through visual observations, VHF and/or literature review to obtain additional vessel details.



(Survey setup – Islay 2012)

The traffic information collected can be validated with other data sets held by Anatec, such as ShipRoutes and fishing VMS data. The consolidated data set feeds into Anatec's risk models for OREIs, to provide the assessment of navigational risk required for the Environmental Statement being prepared for the proposed development.



(Survey data - Islay 2012)

Contact us below for more information.

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