

## 沃旭能源股份有限公司 函

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**受文者：交通部航港局中部航務中心**

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發文文號：2021-OTW-044

附件：如文

**主旨：本公司委託地海儀股份有限公司（Geoquip Marine Operations AG）  
執行海域地工調查，詳如說明，請惠予發布航船布告。**

**說明：**

- 一、本公司委託地海儀股份有限公司（Geoquip Marine Operations AG）執行海域地工調查所使用船舶及預訂工作期程如下表所示，另有相关工作範圍、工作船舶資料及相關聯絡資訊請見附件。

使用船舶名稱	使用期程
MV Geoquip Speer	2021 年 7 月 25 日 至 2021 年 10 月 31 日

附件一：工作範圍圖及座標表

附件二：工作船舶資料

正本：交通部航港局中部航務中心

副本：



附件一

風場區調查範圍座標表  
Windfarm boundaries coordinates

No.	TWD97	
	緯度 / Latitude	經度 / Longitude
12-1A	24,26865371	119,80916770
12-2	24,26204106	119,95309735
12-3	24,19270555	119,90605813
12-4A	24,19880532	119,76091388
14-1	24,19884944	119,75985177
14-3	24,11910610	119,85619062
14-4	24,12371988	119,70802121
14-5	24,14080403	119,87088524
14-6	24,14276436	119,83049302
14-7	24,19395587	119,75647363

本專案作業時程 Proposed Project Schedule

自 110 年 7 月 25 日起，視天氣情況進行海域鑽探調查，預計 110 年 10 月 31 日前完成所有調查工作，實際作業時程仍需視氣象因素與作業狀況而定。

The geotechnical investigation will be carried out on July 25, 2021, subject to weather condition. All the fieldwork is estimated to be completed by October 31, 2021, but will be subject to weather condition and actual operation progress.

相關作業廠商及作業期間聯絡人員詳表 1

The communication list is shown in table 1.

Table 1 communication list

廠商名稱 Company Name	職位 Position	姓名 Name	聯絡電話 Phone no.
沃旭能源 Ørsted	專案許可經理 Consent Manager	Sarah Wang	0227221617
東亞能源探勘股份有限公司 DONG FANG SPEER MARINE CO., LTD.	專案經理 Project Manager	Ryan Tickelpenny	+44 7735 681 011

附件二

Vessel Specification 船隻規格

船舶名稱 Vessel name	東亞玉山 GEOQUIP SPEER	總長 Total length	84.00 m
IMO	9546021	船舶認證	CR & RINA
船舶國籍 Flag	台灣 (Republic of China)	船籍港 Registry port	臺中港 Taichung Harbour
總噸位	3504 噸	淨噸位	1052 噸
主要設備	Drilling Derrick 起重設備, Deck Crane		

## 附件二

### Picture of Vessel (船舶照片)



SAFELY DELIVERING RELIABLE DATA.

### Geoquip Speer



#### Introduction

The Geoquip Speer is a 2010 build, dynamically positioned geotechnical site investigation vessel designed for safe operations in harsh and remote regions. The vessel is 84m in length with the GMR302 heave compensated geotechnical drill rig installed over a centrally located moonpool. The GMR302 can also deploy and recover a 20t deep push seabed CPT unit. The vessel is ideally suited to largescale offshore geotechnical site investigations.

#### Positioning

The vessel uses a Rolls-Royce Icon dynamic positioning (DP) system for station keeping. The system consists of a dual DP controller unit and operator stations. The controller unit and the operator station communicate via a dual high-speed data network. The DP system provides a direct interface to the azimuth propellers, and bow thrusters, and includes the necessary interfaces to power plants, position-reference systems and sensors. This provides accurate and precise station-keeping during all borehole and seabed testing operations.

#### Key Features:

- Class 2 Dynamic Positioning
- Heave compensated offshore geotechnical drilling rig
- Combined water and borehole depth of 360m
- Large deck space
- Comprehensive on board soil and rock testing laboratory

#### Drilling Monitoring and Downhole Tools

The GMR302 drill rig includes instrumentation for the electronic display of drilling parameters: torque, bit weight, mud pressure, mud flow rate and rotation speed. A comprehensive range of wireline downhole sampling and testing tools is available including PCPT (Piezocone Penetration Test), piston sampling, push sampling, wireline core barrel and percussion (hammer) sampling. All downhole tools (coring, sampling, PS logging, etc.) are fully compatible with the 5½" API drill string. A range of drag and specialised coring bits are provided. Large diameter drill pipe can also be used to allow larger diameter cores to be recovered.

Offshore Geotechnical Site Investigations