

# MOBILE DATA LOGGER TENDER OPPORTUNITY

24 November 2022

ETA Green Power Ltd would like to invite companies specialising in the building of specialist mobile data logger equipment, for outdoor applications, to tender and provide a complete solution for the opportunity detailed below.

## Work location

Delivery, scoping and project progress reviews to be held at Company's site at Hethel Engineering Centre, Chapman Way, Hethel, NR14 8FB.

## Details of the opportunity / scope of work

### *Background*

The logger's intended function is to be fitted onto a customer's application and the application entered into a typical field environment for the application. The application will be operated by a typical user and the logger should record and store information relevant to the use of the unit.

### *Key requirements*

The recorded information must allow analysis of one or more of the below functions:

- Characterisation of duty cycles of the whole application and individual motors
- Energy consumption / run time of the application
- MTBF / NVH analysis
- Reverse Engineering of CAN Data

The operator cannot be expected to manage storage mediums. The unit should transfer the information autonomously without user interaction.

To achieve this the unit should be able to monitor:

- up to 3 concurrent motors spinning
- monitoring of the application power source
- monitoring of Ground speed, GPS Position, elevation
- monitoring of Tilt/Incline
- CAN Communications Traffic
- Vibration / HF Acceleration

### *Health and Safety considerations*

The operator should be considered unskilled and unlikely to interact with the logger and should only interact with the application in a typical manner.

## Tender Selection Process

Tender applications will be assessed on a combination of:

- Competence and capability to deliver the solution
- Design and quality of proposed solution
- Lead time for project delivery
- Total cost

## Tender Selection Process

The deadline for submissions is close of business on 7th December 2022.

Applicants will be informed of the status of their submissions by close of business on 10th December 2022

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For further information and submission of tenders please use the contact details below:

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