

Position Request	 ICHTHION
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Position Request

NAME OF POST	TO
REPORT TO	CTO
ABOUT US	
<p>Ichthion is a multi-award-winning company born out of the laboratories of Imperial College London that seeks to overcome the limitations of existing technologies by delivering the first truly scalable solutions to reduce the flow of plastics into the world's oceans, proposing energy-generative systems that uniquely can be installed in rivers, coastal areas, and the oceans to remove plastic waste and generate data.</p>	
DESCRIPTION OF THE POSITION	
<ul style="list-style-type: none"> • Evaluating rivers to understand their behaviors and identify potential sites for optimum waste extraction for the developed technology. This job at present is focused on Ecuador and will require both desk based and site evaluation work - will require civil engineering, structural design and hydrological understanding (bathymetry, topography, basin management, water quality management). • To work with the UK based Technical Team in communicating information regarding the sites, to develop and enhance the waste extraction technology. • To work with the Commercial Team to provide technical support for potential opportunities. • To work with the Projects Team to provide technical support for technology implementation on current and future projects. • Working with the external civil engineering company to prepare the land and implement the technology. • Developing and implementing a river monitoring plan which involves understanding optimum site locations, key indicators and evaluation of test data. • Liaising and working with external suppliers and partners to push forward the various aspects of the project. • Analyzing technical data to draw conclusions such as soil surveys, technical papers, and scientific research. • Responsible for (Spanish) presentations to different stakeholders and overall "representation" of the technical team in Spanish only meetings 	
RESPONSIBILITIES	

Position Request



- Developing a standardized evaluation strategy to identify potential sites for optimum waste extraction for the developed technology.
- Generating reports and evaluations as required by the CTO.
- Assimilate and enact the company protocols.

EXPECTED RESULTS

- Thorough technical analyses of potential sites for the deployment of our technologies.
- Sufficient preliminary studies implemented and completed to support the process of design and installation for our technologies.
- Technical input to the support the design of the sites for operation.

REQUIREMENTS

- Civil Engineering, or related subject (such as Engineering, Maths, Physics).
- Some expertise/experience in Hydrology, Geotechnics, Structures.
- Ability to communicate technical concepts in both Spanish and English with an exceptional level of fluency, both orally and written.
- Ability to travel/work remotely.
- Located in Manabí.
- Confident in talking to a range of suppliers and institutions such as government departments and educational institutes.
- Confident in making decisions and resolving problems, and able to foresee challenges.
- Excellent organizational and time management skills, with the ability to work independently on tasks.
- Able to handle multiple types of data such as LiDAR, DWG, Orthophotos
- Able to use the following software & programs:
 - CAD software
 - GIS software

PREFERRED QUALIFICATIONS

- Ideally educated to Masters level in Civil Engineering, or related subject (other Engineering specialties, Maths, Physics).
- Fluent in both English and Spanish, with prior experience or certifications to corroborate.
- 3 to 5 years of experience working in related subjects
- Experience working at a community level
- Experience in conducting research

COMPETENCIES

- Complex problem-solving skills.
- Decision-making, critical thinking and time-management.

Position Request



ICHTHION

- Ability to work well under pressure and respond to time sensitive tasks.
- Ability to form fruitful relationships with local development actors.
- Ability to perform and prioritize multiple tasks.

TEAM

- Chief Technical Officer
- Operators
- Product Engineer
- Supplier Quality Engineer

LOCATION OF THE POSITION

- Portoviejo, Manabí
- With availability to travel to different locations for field work