



ENGINEERING AND THE ENVIRONMENT

REF. No. 1256

About us

Our company is committed to face the environmental issues of the world by creating realistic yet entirely new profit-based solutions. We are agile and shallow tier and expect all of our people to act and react as if the future of the planet is in their hands.

We are a combination of innovative development engineers, artists, business minds, designers and lawyers who have worked with the most technologically advanced companies on the planet.

Legally we are a London UK establishment, although that is for the purposes of company registration.

As having a fixed office space is wasteful and polluting, we are virtual, but if needed, we use a temporary space to meet. If not, it is all about Zoom/Skype and getting on with the job as a semi-autonomous agent of a larger entity.

If you are expecting to be told exactly how to solve a problem that we set for you then we will have already solved that problem ourselves.

We have created an entirely unique system which deals with some of the main environmental problems and would want you to work as an innovative and equal partner to develop those systems.

Number of employees

2-20 depending on the tasks set

Tasks

PLEASE NOTE: In order to protect our Intellectual Property, it is an absolute requirement that any successful candidate will be required to declare that they fully understand the details and implications of our Non-Disclosure Agreement and to then sign our Non-Disclosure Agreement.

After full briefing regarding each of the projects reach and depth the successful candidate should follow through on the following:

Rapidly and accurately respond to ongoing questions relating to the above in relation to the innovations that the company has produced.

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Rapidly and accurately review the company's innovations and its methods and techniques to protect large areas of land-based environments and produce insights and criticisms on that work.

Rapidly and accurately design suggestions and methods to increase the efficiency of the companies proposed methodologies based on your own research of innovative raw information.

Based on the above, rapidly and accurately rejig the company's environmental surveillance business presentations including producing in-depth that you will then integrate into the company's existing presentations.

In conjunction with the people on each project ensure that your innovations and insights are fully integrated into the daily, weekly and monthly project by project objectives.

Manage the day-to-day needs of a fast-moving company in a friendly and creative manner.

Sit in on fast moving digital meetings and provide your innovations and insights during and after those meetings in a friendly and positive manner.

Produce your innovations and insights design and insight-based reports on demand for the company Founders regarding all of the ongoing company projects.

Actively and autonomously seek out new raw data that creates new aspects of the company's environmental surveillance proposals.

Actively seek out and suggest new ways of approaching the company's proposed company's environmental surveillance innovations.

Be interested, engaged, creative and proactive at all times.

You will be given a great deal of autonomy and responsibility.

We expect you to use that autonomy and responsibility to create real and directly applicable innovation.

Skills needed

Candidates should have a full aptitude with Excel and PowerPoint and be able to operate at a basic level 3d image generation software and be able to brief an 3d image operator accurately and succinctly.

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Candidates should be able to physically take workable raw test materials and assist in building and deploying physical prototypes and be technically and safely proficient with “real world” tools and equipment.

Candidates should have a workable understanding of the general principles of heating, cooling, heat transfer and of thermal reactivity in moving fluids.

Candidates should have a workable understanding of the general principles of flight and of airflow over motile surfaces.

Candidates should have a workable understanding of the general principles of bio-mimetic engineering.

Candidates should have a workable understanding of mesh networking systems.

Candidates should be able to produce estimates of required power loads across distributed mesh network systems and individual system nodes within that mesh.

Candidates should have an ongoing and up to date interest and knowledge of current and future battery and other energy storage technologies.

Candidates should have a workable understanding of emergent alternative energy storage systems and of emergent battery weight/energy density factors including the potential of various future super-capacitors (e.g; H3 tritium etc) and the potential of existing super-capacitors.

Candidates should have a workable understanding of the how to estimate and cost units of engineered products and total unit manufacture at varying degrees of scale.

Candidates should have a workable understanding of sustainable source micro energy collection devices.

Candidates should have a workable understanding of low energy usage, low, mid and high definition imaging devices.

Candidates should have a workable understanding of the principles of edge controller technologies.

Candidates should have a workable understanding of the basics of what is required to produce validated business plans and commercial propositions and to be able to accurately and succinctly brief business plan specialists.

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Candidates should have understanding of Technology Readiness Levels (TRL) and how to take products through to a minimum viable TRL product stage.

Candidates should be able to extrapolate highly creative “what if” feasibility scenarios throughout their individual potential work parameters and to be able to supply answers to those “what if” feasibility scenarios.

Duration of the internship

Minimum 6 months, maximum 11 months.

Office languages

Good English. Anything else is useful but not necessary

Location

London, UK.

Financial support

None

Office hours

Monday-Friday 9am-6pm, 1-hour lunch break.