ENVIRONMENTAL LIFECYCLE ANALYSIS - Revision A – 15/08/2024

We have considered a lifecycle perspective as shown below:

	Extraction of **Raw Materials**	**Purchasing**	**Manufacturing**	**Distribution**	**Use**	**Disposal**
Office (equipment, supplies etc)	Not Applicable	Purchasing protocol focuses on eco-friendly products, sustainable such as low energy LED lighting etc	Beyond control - availability of products/services on the market	We utilise local suppliers where they provide the value, competence and/or expertise needed. We also maintain long term relationships with suppliers based on their previous delivery of products/services	Most equipment at the offices is low energy use	Recycling in accordance with legislation i.e., WEEE and waste notes obtained (recycling introduced in 2024)
Site (Boom Construction tools, equipment)	Not applicable	List of suppliers in place, use of suppliers with environmental policies/practices preferred. Use of low energy tools where available.	Tools manufactured by approved suppliers.	PPE issue records kept, issued to operatives and signed for. Supplied during induction process.	Use of low energy tools where possible. Equipment maintained as required by manufacturer/supplier.	Waste controls include use of approved waste companies for disposal, parts recycled wherever possible.
Site Activities	Not applicable – materials supplied by approved suppliers.	List of suppliers in place, use of sub-contractors with environmental policies/good practices preferred. Recommendations made to clients for products that are more wearable and longer lasting to reduce need for frequent change.	Items manufactured by approved suppliers.	Maintain relationships with suppliers based on previous delivery of products/services. Planning of projects to minimise distances travelled for distribution.	Client specifications to most economical standards as per the nature of the project, and planning accordingly	Waste policy – waste is separated by type and collected by a registered waste carrier. Items are recycled wherever possible. Waste carriers licence also in place for Boom Construction.

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Control and Influence in relation to environmental aspects and impacts (both direct, and indirect);

	Offices	Site/field based
Control	Full	Full
Influence	Full	Some

Limitations of life cycle;

The limitations of Life Cycle are noted to include;

- *Lack of availability of data*
- *Supply chain processes – information from external providers (suppliers and manufacturers etc).*
- *Uncertainties*
- *Presumptions*
- *Complexity of supply chain/raw materials used in products of multiple components (i.e., laptop computers)*