

## **Environmental Sustainability & Efficiencies**

Drakemoor Limited is committed to providing a quality service in a manner that ensures a safe and healthy workplace for our employees and subcontractors and minimises our potential impact on the environment, we operate in compliance with all relevant environmental legislation, and we will strive to use pollution prevention and environmental best practices in all we do.

While there are challenges involved in adopting sustainable construction methods, there are also great benefits too, sustainable construction means using renewable and recyclable materials when building new structures.

The primary goal of sustainable construction is to reduce the industry's impact on the environment. Construction can also result in hazardous waste, and the improper disposal of such waste can result in pollution that affects not just the environment, but also the health of people living in that area, Drakemoor always use licenced waste collectors and request monthly waste breakdowns to show what percentage is being recycled, reused, or sent to landfill. There are various methods we can employ to make this project more sustainable, with some of those being.

### 1 Renewable energy

There have been great strides made towards bringing renewable energy to construction sites. A popular solution is a modular battery system that can be deployed on-site and recharges via included solar panels. These batteries can power electric tools and vehicles, as well as security equipment. Some of these systems can offset one tonne of CO<sub>2</sub> per week and 400 litres of diesel, resulting in a significant impact when they are used on large construction projects.

### 2 Building with Sustainable Materials

- a. Wood: properly managed forests do not just supply building materials but also provide a habitat for wildlife.
- b. Sustainable concrete: alternatives with plastic and recyclables can reduce the carbon dioxide production by almost 50%.
- c. Alternative brick materials: mud, wool, even cigarette butts can be used to create bricks that are just as strong without a need for the kiln fires that result in harmful emissions.

### **Plastic**

The fact that plastic does not degrade means that its greatest sin against the environment becomes its greatest strength when it is used in construction. One of the key goals of sustainable construction is to erect buildings which a longer lifespan, and the fact that plastic just will not degrade – If plastic is used responsibly, it has a vital part to play in sustainable construction.

## **Lower Costs**

The truth of the matter is that greener buildings do come with lower operating costs, there are also direct savings available; by reducing waste, for instance, we will reduce the fees charged by our waste management company. By using more efficient vehicles, we will save on fuel costs.

## **How we aim to secure sustainable construction business**

With an increasing amount of attention on the environmental impact of every industry, more construction projects are going to require sustainable construction projects and sustainable construction practices. The sooner Drakemoor adopts such methods, the better placed we will be to tender for projects, and we are currently employing the services of BSI to gain ISO 14001 accreditation.

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