



## THE MARBLE GROUP

The Marble Group is a leading supplier and fabricator of premium marble, granite, and quartz surfaces, renowned for their exceptional quality and craftsmanship. Serving a wide range of industries, including residential, commercial, and hospitality sectors, the company operates out of a state-of-the-art facility where precision and efficiency are paramount.

When faced with the challenge of maintaining efficient and consistent heating in their large industrial space, The Marble Group partnered with Shadow Industrial to implement a practical and energy-efficient solution.



### The Challenges

The Marble Group's industrial facility presented several challenges that required careful consideration when supplying the heating solution:

#### Clearance for Machinery

- The facility houses a range of moving machinery, including cranes, which necessitated a high level of clearance. This meant the heaters could not obstruct operations or compromise safety, requiring strategic placement at elevated positions.

#### Maintaining Performance at Height

- With the heaters installed at greater heights to accommodate machinery, achieving optimal heat distribution became critical. The heating solution needed to deliver consistent and efficient warmth despite the increased distance from the floor.

#### Zonal Heating Requirements

- The facility's layout and workflow created the need for zonal heating control, ensuring that specific areas received adequate heating without wasting energy on unoccupied spaces.

By addressing these challenges, the supplied equipment was tailored to provide effective and efficient heating while maintaining safety and operational efficiency throughout the facility.



## The Specification Process

To ensure the heating solution would fully meet The Marble Group's operational needs, the Shadow Industrial team conducted a detailed site survey. By visiting the facility and engaging directly with the team, we were able to assess the unique demands of the space - including machinery clearances, workflow patterns, and specific comfort requirements. This collaborative approach allowed us to specify the most suitable equipment and design a tailored heating layout, ensuring optimal performance, safety, and energy efficiency.

## The Outcome

The installation was highly successful, delivering consistent and efficient heating throughout the facility without disrupting operations. The strategically placed heaters provided excellent coverage, even at height, while zonal control allowed for targeted warmth where needed - maximising comfort and minimising energy use. The solution fully met The Marble Group's operational requirements, with both performance and reliability, exceeding expectations.

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# THE SYSTEM

To meet the heating requirements of The Marble Group's industrial facility, Shadow Industrial supplied the following equipment:

### **Shadow Infinity 9kW Industrial Heater x 4**

These high-performance infrared heaters are designed for efficient heat distribution in large industrial spaces. Their robust construction ensures long-lasting reliability in demanding environments.

### **9kW Remote Variable Heater Controller (Receiver) x 4**

These controllers provide variable heat settings, allowing the end user to customise heating levels for different areas, enhancing energy efficiency and operational flexibility.

### **3 Zone Master Controller (Transmitter) Wall Mounted x 1**

This centralised controller enables easy management of the heating system across three separate zones, ensuring targeted heating control and energy optimisation.

The supplied equipment was selected to provide a flexible, energy-efficient heating solution tailored to The Marble Group's needs.







# **SHADOW**

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