Octagon Birmingham Facade Installation



Project overview

Client: JRL Group - McMullen
Project: Octagon Birmingham
Value: £110m
Location: Birmingham, UK
Date: 2023 - Current
Usage: Installing facade on highrise building

McMullen, which is part of the JRL Group were looking for a smarter way to install the facade on the Octagon project. London Tower Cranes (LTC) provided the crane and offered Roborigger as a solution.

The challenge

When installing the facade on the Octagon project, the contractor encountered challenges in preventing the façade components from rotating in the wind and aligning them so that the crew could secure them in place. Due to limited access and the wind, taglines were not practical because the workers needed to lean out of the building to catch them. The work became difficult to perform and was slow.



The solution

LTC offered AR15 Roborigger units to the customer which they used together with their own offset lifting beam. This resulted in complete control of the façade without the use of taglines. They have reported a doubling in productivity for the install when using Roborigger. The customer subsequently purchased 4 more units.

The benefits

- No need for workers to struggle with taglines
- Façade pieces are locked from spinning in the wind
- Risk of damage to façade is minimal as they are always in control
- Significant time saving compared with traditional methods.
- Safer, reduced manpower, greater efficiency, less chance of damage.

Client feedback

“Since we began using the Roborigger, our facade panel installation has doubled from 10 to 20 units per day, even at excess height of 140m. The ability to remotely control loads has not only improved efficiency but also eliminated the need for workers to be near suspended loads, significantly enhancing on-site safety"

Aiden Smith, Project Manager - Midgard, UK