

# Dockmill Electrification

## DECARBONISATION CASE STUDY SUMMARY



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LOCATION	Dublin, Ireland
CLIENT	Google
PROJECT DURATION	2025 - 2025

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Google is an American multinational technology corporation focused on information technology, online advertising, search engine technology, email, cloud computing, software, quantum computing, e-commerce, consumer electronics, and artificial intelligence.

This building was originally heated using a combination of VRF and gas fired boilers. This project involved the removal of all on site fossil fuel-based heat sources from site and replacing with all electric solutions.

**This project involved the removal of the gas fired boilers and replacing these with an air source heat pump. Axiseng delivered a full solution for the client and completed the full decarbonisation of the first Google building in Ireland.**

One of the challenges of this building was finding a location for an air source heat pump and associated pipework in a listed space. This required coordination between Axiseng and the client FM team to resolve.

The project involved the installation of new radiators and heater batteries to suit the new, lower LTHW temperatures. In some instances, new locations needed to be found for the radiators due to the increased size. These new locations were agreed with the client and architect to ensure they worked with the surrounding areas.

All works were completed within a live building. This included works on the main circulation routes and in the occupied offices. Working with the client, a mixture of in hours and out of hours working times were agreed allowing the building to remain operational at all times.