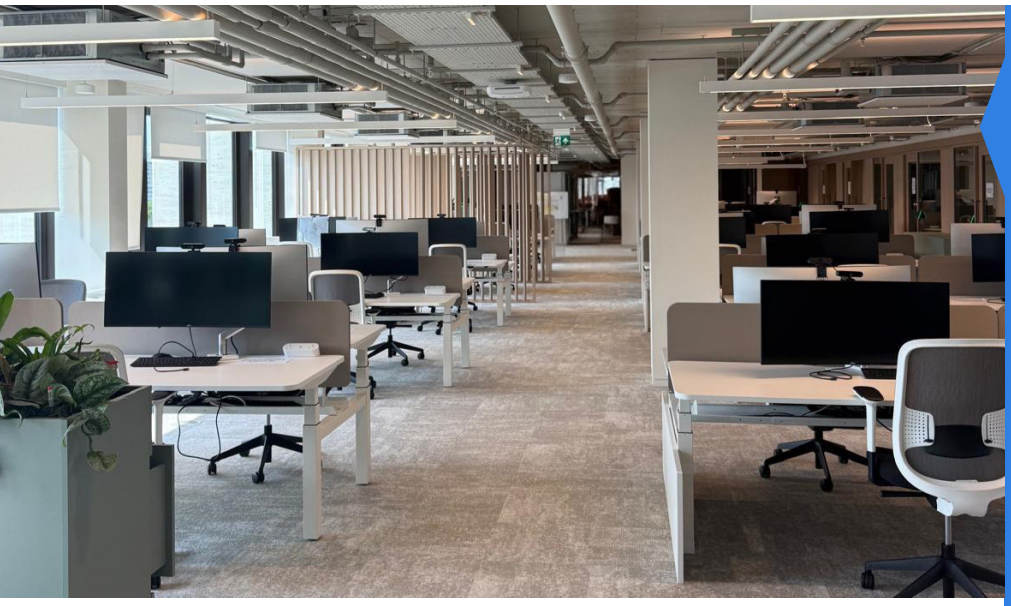


ENGINEERING A LOWER-CARBON

FUTURE-READY WORKPLACE

MEP sustainability with measurable impact

8,080 m² across Levels 4-6 | Recently completed | MEP delivered by MCS



42.7 tCO_2e
Potential whole-life comparative benefit

100%
Pallet recovery: 220 of 220

12,958 kg
Selected MEP equipment reconciled

43 ZONES
Water-leak protection

SUSTAINABILITY BUILT INTO DELIVERY

MCS integrated carbon thinking into technical evaluation, supplier engagement, product selection, procurement and commissioning, while protecting performance, programme, quality and cost.

1 VALIDATE

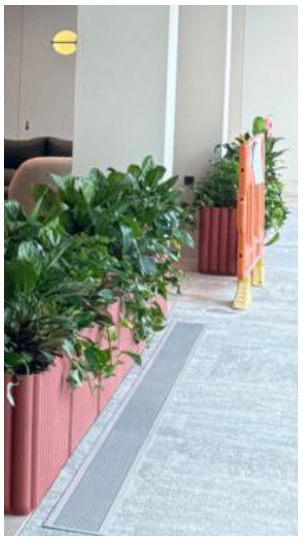
Retain serviceable landlord infrastructure.

2 SELECT

Compare compliant products using robust evidence.

3 PROTECT

Carry decisions through installation and commissioning.



THE STANDOUT CARBON DECISION

70
Artus units selected

Approximately 42.7 tCO_2e potential whole-life comparative benefit

Reported comparison:
66% lower whole-life carbon
86% lower operational carbon
45% lower embodied carbon

WHAT MCS BROUGHT TO

THE PROJECT



Practical interventions that reduce carbon, protect performance, and strengthen the evidence available to clients.

LOWER-CARBON PRODUCT SELECTION

Environmental evidence assessed alongside technical compliance, programme, quality, and cost.
EPDs | TM65 | service life | efficiency

RETENTION BEFORE REPLACEMENT

Existing landlord services validated first: retain, adapt, then replace only where justified. Avoided replacement | reduced material demand

ADAPTABLE MEP INFRASTRUCTURE

Modular power and long-life components support future change with less rewiring and strip-out. 500 Powerbars | 150 PDUs | 700 m extenders

EFFICIENT SYSTEMS & CONTROLS

Efficient equipment, intelligent controls, BMS integration, balancing and commissioning protect performance. Performance verified through testing

WATER & MATERIAL RESILIENCE

Zoned leak detection supports early warning and targeted isolation, reducing damage and reinstatement risk. 43 zones | 220 m cable | 9-point sensors

CIRCULARITY IN PRACTICE

Every pallet in the project return arrangement was recovered for reuse rather than disposal.
220 of 220 pallets returned

A TRACEABLE EVIDENCE BASE

93.378-93.387 tCO_2e

Selected-product inventory

11.56 $kgCO_2e/m^2$

Normalised inventory result

127

Deliveries – logistics activity recorded

THE MCS DIFFERENCE

From technical validation to verified handover, MCS turns MEP sustainability intent into coordinated, procureable and commissionable outcomes.

Define the baseline early | request evidence before order | compare compliant alternatives | protect selections through delivery | verify performance.