

Arup

80 Charlotte Street

Artus[®]

ARUP



"Throughout the design process the low energy credentials of Artus, combined with its design simplicity and adaptability, made it an obvious choice to incorporate into the 80 Charlotte Street fit-out."

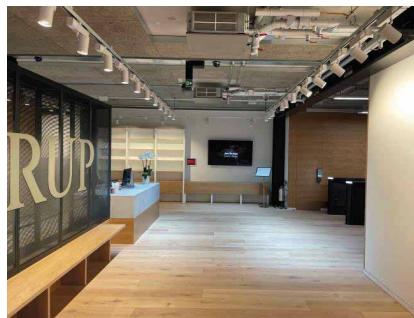
Iain Moore,
Fit-out Services Design Lead

Overview

A mixed use seven storey scheme in Fitzrovia, London.

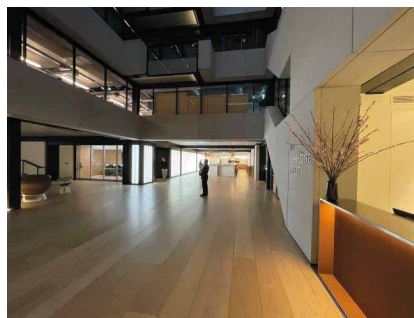
Arup have leased three floors and specified Artus to help achieve low energy performance.

Client	Arup
Developer	Derwent
Architect	Make
Fit out architect	Perkins and Will
MEP contractor	T Clarke
Commissioned	December 2021



Project Highlights

- Reduced fan coil energy by 13%
- Shifted EPC rating points from 32 to 31 on an already high performing building



Comparison with traditional Fan Coil

Artus[®]

Building energy	kWh/m ²
Heating	4.47
Cooling	2.98
Auxiliary	10.93
Lighting	13.48
Hot water	3.72
TOTAL (regulated)	35.58

EPC rating	
31 points	

Fan Coil Units

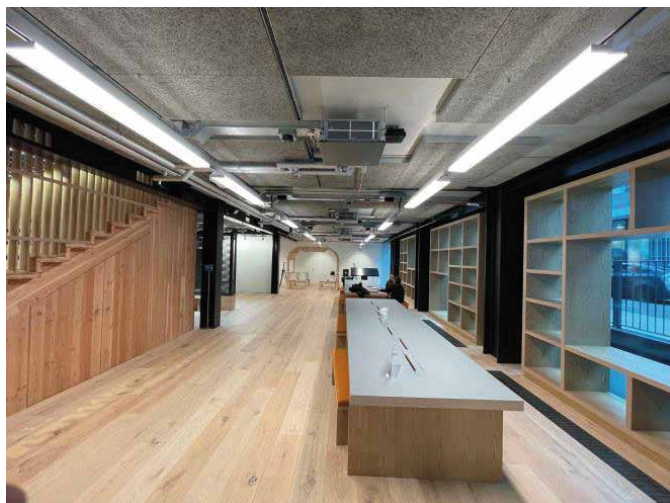
Alternative air conditioning option replaced by Artus

Building energy	kWh/m ²
Heating	4.47
Cooling	2.98
Auxiliary	12.55
Lighting	13.48
Hot water	3.72
TOTAL (regulated)	37.20

EPC rating	
32 points	

Artus was used in the Category B fit-out areas only. If it had been used throughout, the energy reduction would have been greater.

Ceiling layout with Artus



Ceiling layout with other leading FCU

