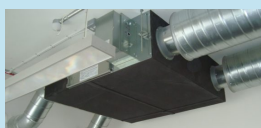
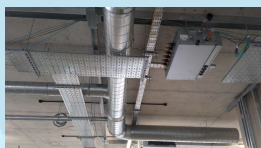


CASE STUDY

SAMSUNG AIR CONDITIONING INSTALLATION



Air Options was approached to see if we could assist for a new installation for a bare shell and core premises, requiring a full HVAC design and installation.

Initially we requested floor layouts so we would have a general idea of the space / requirements and layout, also to allow us to review possible scope, with the building comprising ground floor and basement areas.

We recommended that the building was fitted with a Heat Recovery Ventilation unit (HRV), this would offer both fresh air supply as well as stale air removal (Extract) which would be a requirement from building control for the basement area, given occupancy and no openable windows or natural ventilation.

To offer full temperature control the indoor systems comprised both wall mounted and 4-way cassette type units (950×950 as well as 600×600 compact versions), selected based upon loadings and airflow requirements.

After reviewing the scheme we recommended that the package installed was manufactured by Samsung, comprising VRF (DVM) units / Commercial (CAC) units and ERV Ventilation units having several key factors:

- Latest “compact” Heat Recovery VRF System, offering an extremely compact outdoor solution.
- Reduced height indoor HRV unit allowing for fitment within areas of reduced ceiling height.
- Latest “Windfree” indoor cassettes significantly reducing drafts at setpoint via the “micro holes” and closing the louvres reducing fan speeds.
- Reduced quantity of outdoor units when compared to traditional 1-1 “split” systems.
- Improved energy efficiency via the Heat Recovery Technology.

Building:	Shell and Core
Location:	London
Manufacturer:	Samsung
Heating & Cooling:	Simultaneous Heating & Cooling
Refrigerant:	R410a + R32
Appointment Objectives:	Consult, Design & Install
Energy Savings:	Heat Recovery VRF
Ventilation:	Heat Recovery Ventilation (HRV)
Special Features:	Wind Free Reduced Draft Cassettes

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No matter how large or small your project may be, call Air Options today on **0800 0188423**