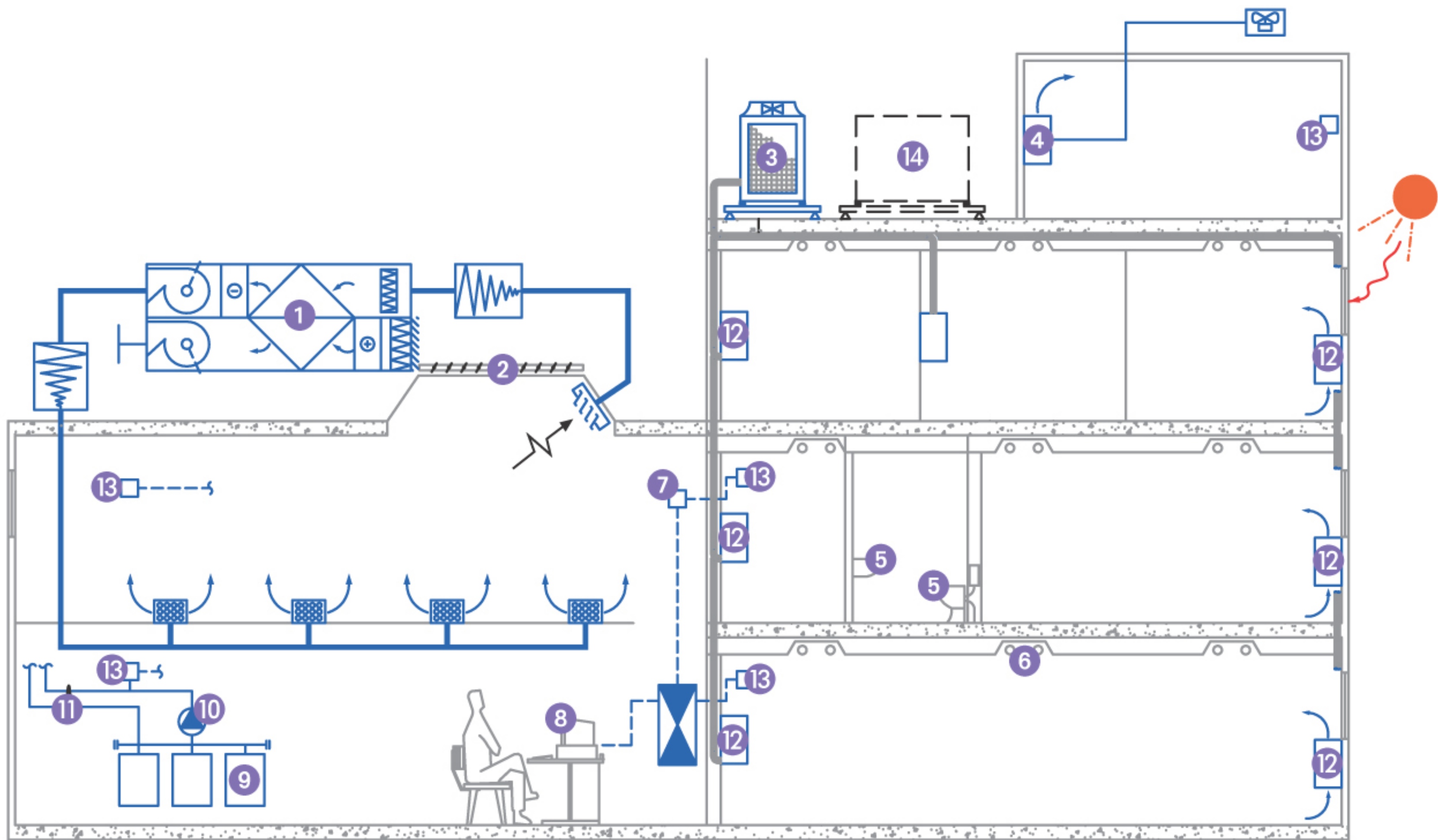


Energy-saving technologies in office and gallery



1 Gallery heat pump plant incorporating cross plate heat exchanger and variable speed drives

Additional cost: £10,000

Gas saving: £524

Electricity saving: £140

CO₂ saving: 7 tonnes/year

2 (Non-ECA qualifying) adjustable solar shading

Additional cost: £7,000

Gas saving: £60

Electricity saving: £250

CO₂ saving: 3 tonnes/year

3 Variable refrigerant flow recovery heat pump system with inverter-driven compressors and insulation

Additional cost: £10,000

Gas saving: £1,040

Electricity saving: £1,150

CO₂ saving: 23.5 tonnes/year

4 Air-conditioning with inverter drive equipment and plate heat exchanger

Additional cost: £3,000

Gas saving: £697

Electricity saving: £500pa

CO₂ saving: 4 tonnes/year

5 Compliant water technology: efficient taps
efficient toilets
flow controllers
meters
rainwater harvesting

6 Upgraded lighting

low-energy with local control

auto-off/manual-on

Additional cost: £5,000

Electricity saving: £1,000

CO₂ saving: 8 tonnes/year

7 Zone heating, ventilation and air-conditioning controls

Additional cost: nil

Gas saving: £60

Electricity saving: £62

CO₂ saving: 3.5 tonnes/year

8 Building management system terminal: energy entering and targeting

Additional cost: £4,000

Gas saving: £210

Electricity saving: £275

CO₂ saving: 5 tonnes/year

9 Modular condensing boilers

and inverter pumps

Additional cost: £4,500

Gas saving: £1,020

Electricity saving: £140

CO₂ saving: 13.5 tonnes/year

10 Inverter-driven pumps

Additional cost: £600

Electricity saving: £60

CO₂ saving: 0.5 tonnes/year

11 High-quality pipe insulation

Additional cost: £720

Gas saving: £165

CO₂ saving: 2 tonnes/year

12 Fan-coil unit

13 Thermostat

14 Previous plant to offices