

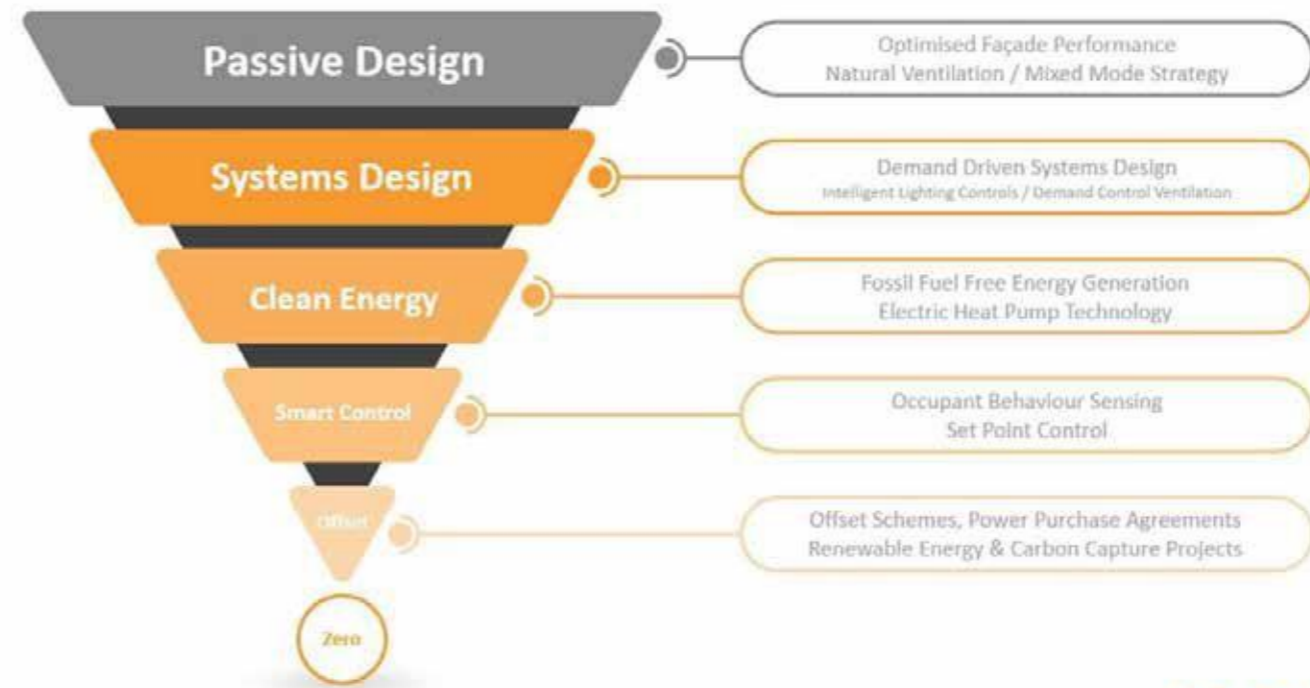
APPENDIX G – SUSTAINABILITY & ENERGY STRATEGY

APPROACH

Our approach to Sustainable Design will be integral to every stage of the project, from concept through to construction stage. An overall approach to Sustainability will be considered not just Environmentally, but also Socially and Economically.

An early options appraisal will be developed by the Design Team which considers the following key themes:

- Minimising energy consumption
- Realising renewable energy opportunities
- Orientation of the building to maximise solar gain, natural ventilation and daylighting
- Minimising the impact of noise/air/light pollution
- Promoting efficient use of water and SUDS (where appropriate)
- Creation of green landscaped areas to enhance biodiversity
- Use of sustainable construction methods and building materials
- Minimising waste / maximise recycling
- Promoting active travel
- Fossil Fuel Free
- Reduce Operational Energy Use
- Consider need to offset



APPROACH - REDUCING OPERATIONAL ENERGY USE

OPPORTUNITIES

In line with Aberdeen City Council and Scottish Government obligations and targets, the team will consider Low and Zero Carbon technologies, exploring the following opportunities:

- Extend existing District Heating Network
- Consider locale & natural resources
- Possible use of Hydrogen or alternative
- LZC Opportunities:
- Solar hot water
- Air source heat pumps
- Ground source heat pumps
- Wind turbines
- Solar PV panels
- Biomass heating
- Combined cooling/heating/power (CCHP)
- Use of high efficiency condensing boilers
- Smarter Buildings - Better controls
- Health & Wellbeing
- Biodiversity
- Circular Economy
- Climate resilient
- Social Value

