Issues Identified
A thorough and detailed site analysis was carried out prior to design commencement. The physical and environmental characteristics of the urban fabric were interrogated at Island level and for the Newport area in particular. Of equal importance was the investigation into the local economy and the social/political characteristics of the micro-areas around Newport. These investigations informed the key areas of focus listed below.

Key Issues and Opportunities
• The Medina Way dual carriageway creates a division
• Too many car parks and redundant spaces
• Flooding affects the quay area
• Good bus connections, but congested roads
• Train connections old and run down
• Lack of ‘Mixed Use’ areas
• Young population, but lack of education and training
• Low level of academic achievement
• High level of unemployment
• Lack of access to affordable housing
• Lack of top market detached housing
• Town centre contains many listed buildings, restricting development
• Large potential for solar energy generation
• Area not dense, and lacking in height
• Lack of quality retail and leisure

Connectivity

Newport Transport Solution

The focus is on income generation to allow social schemes to be funded by the initial commercial developments.
The new pedestrian connections link all individual schemes for more direct and pedestrian friendly routes when compared to the existing dual carriageway. As mentioned previously the dual carriageway has become a barrier to pedestrian movement and connectivity. Over the water and beneath the embankment, the pedestrian riverwalk is an alternative to the road and is made even more accessible with the introduction of the pedestrian bridge at Newport Quay.

The threat of flooding is prevalent in all coastal areas, and the tidal fluctuation due to sea level rise is a significant issue for the Isle of Wight. The Newport Quay area is no different. Over the water, the proposed solution is to create a barrage that will act as a flood barrier. Over the embankment, the proposed solution is to create a series of flood defence strategies that could be incorporated into a riverside urban proposal. These strategies include:

- Riverbed reinforcement
- Embankment walls and promenades
- Flood areas
- Embarkment walls and promenades
- Flood areas

These strategies will help to protect the area from flooding and create a safer and more sustainable environment for residents and visitors.