

# SKY·GARDEN ARC

## Summary

The main ideas that define the overall design concept of the project are the following:

- To be in a creative dialogue with the Town Hall and the Castle in order to form a grand space, an “**urban room**” open to the harbour.
- To feature a great opening through the **arc**-like volume from rear street to the harbour and a **sky garden** on the roof.
- To keep the overall volume of the building low and compact and the height consistent to the general massing of the adjacent urban texture.
- To use the open ground level and the planted roof garden as public spaces of significant importance.

Ground Level is kept as free as possible of built volumes in order to enhance its function as a covered public space. The floor is sloped from level +2.50m along the waterfront to +6.50m towards the back. The main entrance to the Museum is placed at a lower level with sculptural yards and atria. The future office building is fully integrated (although independent) within the overall design and does not stand out on its own as a higher building. The museum and future office building create a large covered space that visually and functionally connects the waterfront and the listed West Station buildings. Along the main seaward façade, a continuous open gallery strip is cut out from the façade so that visitors to the exhibition levels can enjoy the view.

The three exhibition levels, accompanied with corresponding vaults and workshop studios, form a large trapezoidal slab which is supported by two main - trapezoid again in plan - “pillars”, housing the other functions.

The overall appearance of the building will be that of a glazed neutral object, elegantly fitting in its urban context, without disturbing it with complicated forms and overloaded shapes. The glazed facades, with varying degrees of translucency, will accommodate on large parts integrated PV modules.

The main issues of the proposal’s environmental targets are regarding area efficiency, energy efficiency measures, extensive use of daylight, shading, mechanical systems like heat recovery CO<sub>2</sub> sensors and sea based heat pump, solar mechanisms, planting and recyclable materials. Based on the proposed energy efficiency measures the building will have an overall energy need of 55 kWh/m<sup>2</sup>/year +/- 10% as compared to the figure of 150 - 200 kWh/m<sup>2</sup>/year for a base reference new building of this category.