

Phase 1: Site Analysis - Week 1.1

The first week of this Phase would deal with extensive investigation of site potentials and qualities based on site simulation studies to identify optimal building orientation, height, and voids in the massing. Opportunities for the generation of renewable energy within the site will also be studied. From the explored site qualities, a framework for the development of waterfront opportunities will be laid down in collaboration with the neighboring individual intervention.

Phase 2: Concept – Week 1.2 – 1.5

This stage would deal with developing the building massing depending on surrounding urban context and environmental factors by analyzing the site simulations and the optimal building massing. This concept stage will intensively focus on materializing the research of urban implementation in context with Delfshaven. Sustainable technologies that can be utilized in the site for renewable energy and building performance optimization will also be researched at this stage which will be integrated with the building.

Phase 3: Building Schematics and Drawing development - Week 1.6 – 1.10

This Phase would bring together the concept to develop the preliminary zoning of the site in the first week. This addresses the mobility, accessibility and security within site. Following this, rough schematic floor plans, sections and construction drawings will be developed to make a coherent approach to advance to develop well detailed floor plans and sections in the remaining weeks.

Phase 4: Detailing and visualization: Week 2.1 – 2.5

In this phase, the final floor plans and sections will be developed along with several technical drawings will be developed. Research will be contributed towards climate responsive facades and detailed 1:20 Façade drawings

will be produced along with 1:5 scale details of the building technology used in the skyscraper. Simultaneously at this stage building visualizations will be developed.

Phase 5: Finalization - Week 2.6 – 2.10

The final phase will focus on developing conceptual drawings and 3D isometric views that explain the functioning of the building and the urban implementation of the skyscraper. The developed floor plans and sections will be enhanced and This stage will oversee the integration of all the aspects of design. The final products will be for the final presentation along with the research article.

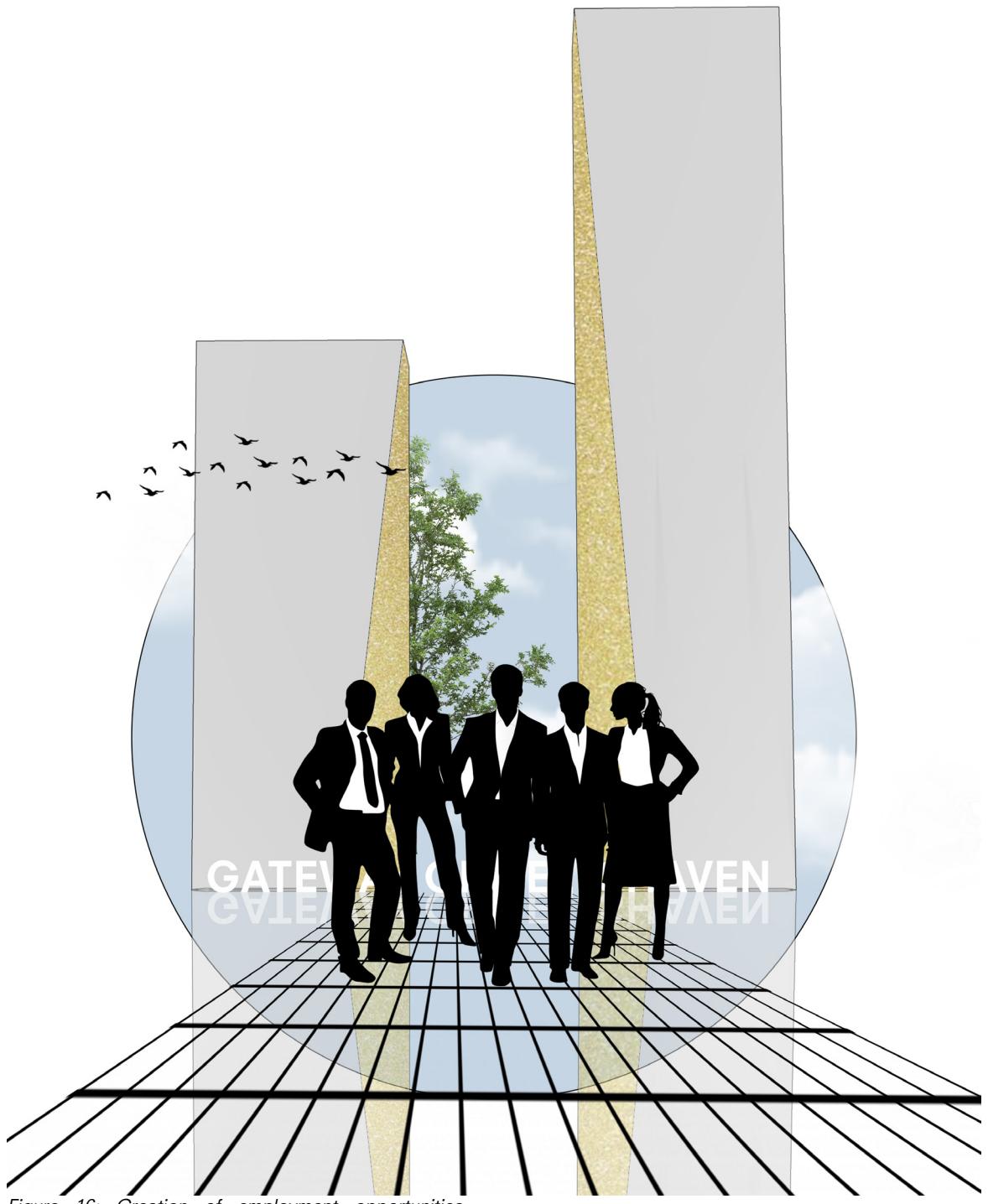


Figure 16: Creation of employment opportunities,
(Warman, 2021)