

## Project examples with AI & Parametric Design



### **Highrise building Tartu MNT 17, Tallinn, Estonia:**

The architectural concept is rooted in the ethos of creating a dynamic, functional, and visually captivating structure that seamlessly integrates into the fabric of the city while prioritizing human-scale interactions and environmental sensitivity. The design of the building will feature a distinctive silhouette that adds to Tallinn's skyline, yet it will also incorporate elements that resonate with human scale and sensitivity. This will be achieved through thoughtful facade articulation, setbacks at different levels to break down the massing, and the inclusion of terraces and green spaces at various heights to create visual interest and foster a sense of community. The building will serve as a multi-functional hub, seamlessly blending public, commercial, and residential spaces.

### **Requalification Pont du Lion, Saint - Génis - Pouilly, France:**

The project consists of a new development and the revaluation of the Lion Bridge in Saint Genis Pouilly near the CERN. The existing bridge (7m x 17.5m) spans over the river Lion. It allows road traffic at the entrance of the agglomeration. A survey report provided of a detailed study of the existing structure. Continuing the re-qualification of the Rue de Genève and downtown Saint- Genis-Pouilly, it aims at redefining the bridge without changing the current structure to allow a new intervention.

### **Architectural Concept: "GreenTower SG" Singapore:**

- Timber Construction
- Biophilic Integration: Vertical gardens & central atrium
- Vertical Connectivity through terraces
- Passive Design: Shading devices, natural ventilation & solar panels
- Community Wellness: Shared amenities (rooftop gardens, fitness centers)
- Sustainable Living: a holistic, eco-friendly living experience, reflecting Singapore's commitment to vibrant, sustainable urban development.

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