

Vitae

Site: Serio, Milan



Reinventing Cities

Project Summary: Abbey and Charterhouse were European lighthouses for safeguarding and rediscovering human thought; centres of knowledge and invention for our communities. Vitae reflects in these models: architecture apparently confined but permeable, promoting harmony between public and private life. Nature is a reference, a tool contrasting today's climate and pollution challenge.

The "Green Spiral", a path with a vine pergola rising to the top of the building symbolizes the DNA double helix, the embrace between research and biophilia. The married grapevine rows on the roofs and alternates with terraces and vegetable gardens. The seasonal greenhouses and the Giardino dei Semplici are collective environments for experimentation. The project also develops an overall strategy to reduce its carbon footprint and its environmental impact through a wide range of solutions for clean energy, sustainable construction materials, low-carbon mobility and water management.

Vitae is consolidated by strong partnership with local actors and develops sustainable activities and green lifestyle. It will host spaces for public events for nutrition and education, molecular oncological research and guesthouses for international researchers. It proposes an advanced urban coexistence model linked to the best European tradition, all for new Humanism.



Key Components & Solutions

→ Vitae aims for a 40% energy reduction and 26% CO2 emission reduction. 95% of electricity is certified green, 43kW of photovoltaic panels will be installed as well as heat pump (geothermal source). In addition, the building incorporates many energy efficiency measures.

→ This project offers a high-level green identity and foster biodiversity thanks to hydroponic gardens, a vineyard on the spiral roof, green catering and educational activities.

→ The project promotes sustainable mobility through electric vehicles and pedestrian facilities.

→ Water is managed through the recovery of rainwater and the reuse of grey water.

Main members of the team

Team leader / Developer: COVIVIO DEVELOPMENT
Architect: CARLORATTIASSOCIATI
Environmental expert: DISTRETTO TECNOLOGICO TRENINO

