

**Client:** Iniziative Urbane S.p.a.

**Location:** Trento (TN), Italy.

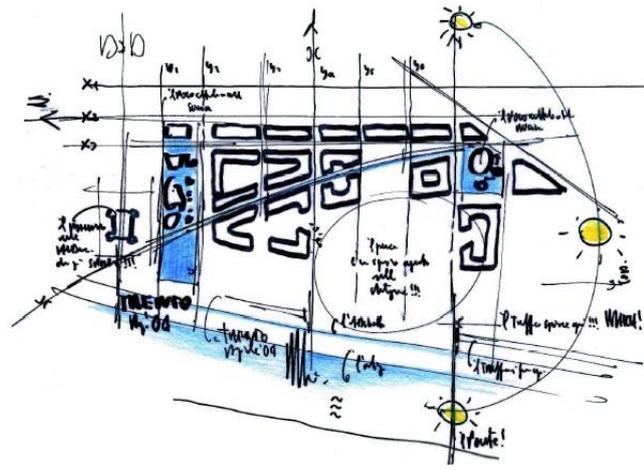
**Services provided:** Construction design project and on site construction supervision

**Engineering services works:**

- electrical and special systems: 5.823.350 €

- mechanical systems : 9.355.556 €

**Service execution years:** 2006 - 2013



## Former - Michelin area

The project is developed with land recovery and reutilization in mind, in an area in the vicinity of the Trento railway track. The construction foresees a series of building blocks of 4 to 5 levels aimed for residential, commercial and services use, and 2 buildings of greater importance for a museum (north campus) and a culture and science centre (south campus).

### Commercial Activity:

The ground floor is largely dedicated to the commercial activity, fronted with glass windows along the axis which connects the two campuses: the museum in the north and meeting and congress centre in the south.

### Residential:

Essentially the residences are distributed among the upper floors, except for some residential blocks found near park.

### Services:

The services areas are mainly distributed inside the buildings that run along the axis of the railway track. This design option allows for a better management of the engineering design of the eastern façade which is coincidentally the most exposed to sound insulation problems. The internal spaces supported by several structural pillars at desirable depths, can be furnished for use as individual office rooms, open offices or a combination of the two.

Former - Michelin area



## Former - Michelin area

The mechanical and electrical building services are for the residential blocks C-D-F-G-I

### Mechanical services design approach:

- Underfloor heating
- Fan cooling
- Mechanical ventilation with heat recovery
- Methane gas supply

Each habitable unit is equipped with a metering module which measures the quantity of heating and cooling energy provided from the main grid and locally absorbed from the substations located underground.

### Electrical services design approach:

- Lighting and power distribution
- Building Management Systems
- Satellite TV
- Video entryphone system
- SPD and earth system
- Communications line grid

