

De Bonne

old barracks transformation into an eco-district



Grenoble has experimented on de Bonne in terms of functional, social mixity and environment, what will be, tomorrow, its future built-up urban area.

De bonne scheme prime objective was to enlarge the town center by rebuilding a whole district of the city (8,5 hectares of military wild land left by the army in 1994) with its own shops, restaurants, offices, public spaces, infrastructure and amenities, with an exemplary architectural and environmental high quality approach.

Of the old barracks, the project has kept the elegant main courtyard and the three buildings overlooking it (these have been converted into flats and shops). But all around them a new landscape is taking shape, surprising for



the diversity of its materials and colors, the co-existence of contrasting forms... and the arrays of roof-mounted solar panels.

In this project, there is also a sense of restraint, a determination to generate a nice diversity in the different architectural style.

DE BONNE NEIGHBOURHOOD
AMBITIOUS TARGETS

- Toward a self-sufficient energy district

- 60-75 kWh/m²/yr of energy consumption per building.

- 1.2 m² of thermal solar sensors per flat unit to cover 50% of hot water needs.

- 1 000 m² of solar panels on the roof of the commercial area.

- 430 m² of solar panel on the roof of the positive energy office building.

- 9 small cogeneration modules developed for the production of electricity and heat from natural gas.

- Cooling by heat pump on ground water for the positive energy office building, and for the shopping mall (the first ever in France for such a surface area).

- Developments aiming at reducing electrical consumption: variable speed elevators, low consumption, lighting, etc.

- Proposing a new mobility no car-oriented direct connection with two stops of the 3rd tramway line, one parking space per housing unit, compulsory creation of storage rooms for bicycles in each building.

- With a real richness of social and activities diversity.

850 family housing units, some 40% of which in social rental accommodation (social housing), alongside of a school, a home for the elderly, two student residences, a hotel residence and 15 000 m² of shopping malls and offices, an experimental art film theatre, 5 hectares of urban parks and gardens in the heart of the area.

This area is now a neighbourhood, well connected to the town historic center and a national showcase since the refurbishment of De Bonne area receive the First National Eco-district Prize in 2009.

