

A10



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- Environmentally friendly housing complex, Crissier

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- Modernist cultural centre, Oostende
- Natural heritage centre, Sabayés
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&

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DIVADLO NA ORLÍ
HUDEBNĚ-DRAMATICKÁ LABORATOŘ JAMU

Brno's rational abundance

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↓ The car-free inner courtyard helps meet stringent environmental requirements.

Environmentally friendly housing complex, Crissier

Bauart's design strives to turn a brownfield site into a cohesive new urban quarter.

SWITZERLAND — TEXT: LUÍS CASTANHEIRA LOUREIRO

Lentillères Nord is a disused area poised between central Lausanne and its western suburb, Crissier. Immediately to its south, wedged between the railway line, a motorway and an area of important commercial activity, lies a triangular plot – the designated site of multifunctional urban neighbourhood that intends to revitalize the wasteland between Lausanne and Crissier.

In 2011, the real estate fund Patrimonium bought the plot with the intention to turn it into an attractive area. Through a public-private collaboration with the municipality of Crissier, the Canton of Vaud and the Masterplan of West Lausanne (SDOL), the Zurich-based office Feddersen & Klostermann was commissioned to design a general plan, in which living and working come together, thereby reducing the environmental impact and infrastructural costs to a minimum. The plan dictated an optimal use of the sloping site and encouraged the search for a specific architectural language that will harmoniously and attractively integrate with the surrounding landscape. In 2012, this plan was followed up by a *mandat d'études parallèles*, a competition according to the standards of the Swiss Society of Engineers and Architects (SIA), a reference professional association whose central aim is to promote sustainable design of the built environment. Six architectural practices were invited to submit a design for a housing complex, of which Bauart emerged as the winner.

The project, entitled *Côté jardins* (Garden side), consists of three housing blocks including some commercial spaces that are clustered around three semi-private gardens, a service block on the south and a centrally situated

public park. The elevations adjoining the surrounding traffic routes are designed substantially differently from those facing the garden: in the former, perforated concrete panels align to the slabs' surface, whereas those on the garden side can be read from the facade, with wooden panels covering them in a second layer. The constructive system is responsible for the creation of an acoustic shell. As a result, the buildings form an insulating barrier between the surrounding infrastructure and the inner world of the complex, within which only non-motorized traffic is allowed. This approach not only satisfies the stringent Swiss sustainability criteria by reducing environmental pollution, but also is meant to encourage social interaction among residents. Furthermore, the project proposes vegetable gardens on the roofs of three buildings to create meeting places that can increase community cohesion.

Created within the prescribed framework, the project has been conceived with a view to sustainable architecture. By keeping the buildings as compact as possible, designing the outer facade as a protective layer, and making use of local climatic resources, the project makes the most of natural insulation and minimizes non-renewable energy consumption. According to the architects, it will result in a dense neighbourhood that is environmentally friendly and will be able to hold its own against the surrounding agglomeration. ←

'CÔTÉ JARDINS' HOUSING COMPLEX, 2012–

Architect: Bauart Architectes et Urbanistes SA (Willi Frei, Peter C. Jakob, Stefan Graf, Emmanuel Rey, Yorick Ringelsen, Marco Ryter)
 Client: Patrimonium
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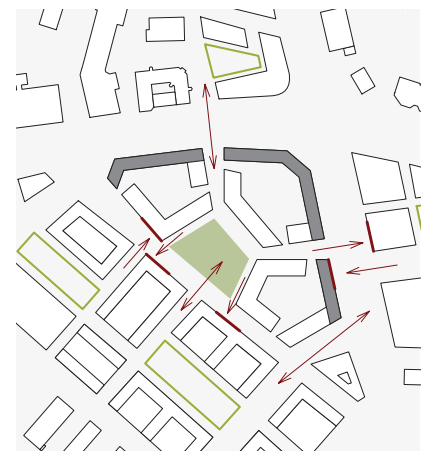
↓ Site volume and geometry



↓ Public spaces and landscaping



↓ Site permeability and fluidity



↓ Methods of mobility

