



CONCERTO is co-funded by the European Commission



RENAISSANCE International Conference
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Overview of Lyon Demonstration site

Malorie Clermont
Local coordination & HESPUL



Local consortium

- **Political leadership:** Grand Lyon Urban Community (Local Authority)
- **Urban planning:** SPLA Lyon Confluence (Public/private planning Company)
- **Technical expertise**
 - ✚ Enertech (Low Energy Consultancy); ALE (Local Energy Agency) ;
 - ✚ HESPUL (PV & program management); INSA-CETHIL (Academics)
- **Real Estate Developers**
 - ✚ Block A : Nexity Apollonia
 - ✚ Block B : Bouwfonds-Marignan / Alliade
 - ✚ Block C : ING Real Estate / Atemi

Lyon Confluence: a major urban renovation project

- Heavy reconstruction (150 ha)
- Down-town extension
- Urban quality
- Sustainable Development
- Social and activity diversity



Energy Targets:

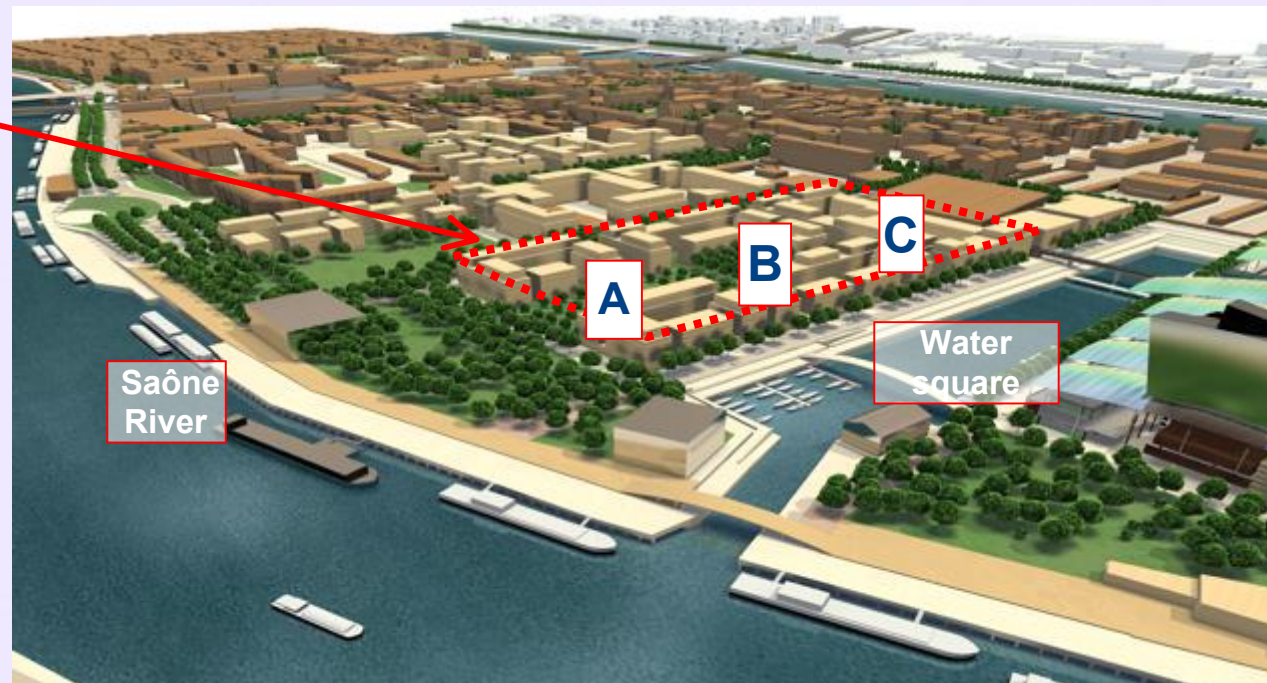
- 50% energy demand,
- 80% renewable energy,
- 50% coverage by PV of common electricity needs

3 Blocks

670 housing units
15.000 sqm offices
4.300 sqm shops

Social diversity:

Standing/luxury: 44%
Standard: 33%
Social housing: 23%



Energy performance

	Housing	Offices
Heating	60 kWh/sqm/year	40 kWh/sqm/year
DHW	< 25 kWh/sqm/year	< 5 kWh/sqm/year
Electricity	< 25 kWh/sqm/year	< 35 kWh/sqm/year



Renewable energy

PV: 273 kWp (2 000 sqm)

Solar thermal: 490 sqm

Biomass: 2 160 kW

(4 wood fuel boilers,
woodchips and pellets)



- Official inauguration of the “CONCERTO” district

October 2010



- Delivery of most dwellings and offices

End of 2010

- Implementation of monitoring meters

- Inspection of the buildings and systems

- Training sessions for inhabitants

September 2010



What remains to be done?

- **Monitoring of buildings and PV systems**
- **Capitalization of the lessons learnt**
- **Publication of the keys documents**
- **Involvement of more inhabitants in green behaviour**
- **Real Estate developers : to take into account the conclusions of the inspection site visits**



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Contact

Malorie CLERMONT
malorie.clermont@hespul.org