



RENAISSANCE Final Conference  
Zaragoza – 4<sup>th</sup> June 2011

## 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:

**Energy demand: - 50%**

**Renewable energy: 80%**

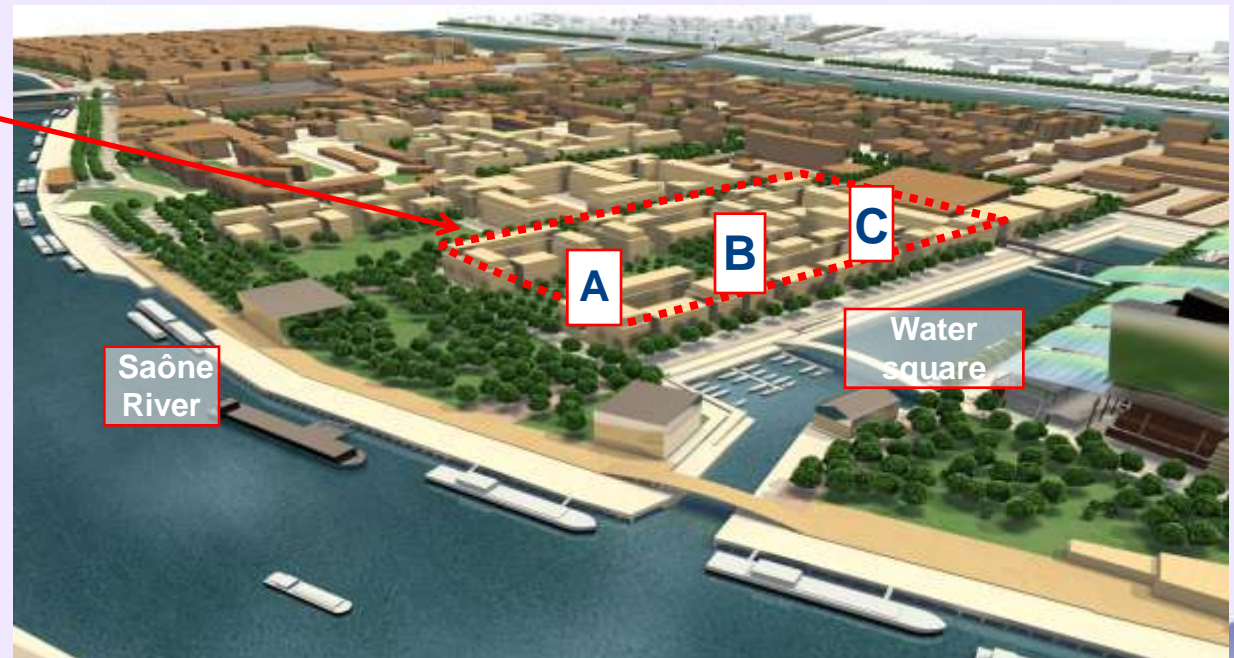
**Coverage by PV: 50% of common electricity needs**

## 3 Blocks

670 housing units  
15.000 m<sup>2</sup> offices  
4.300 m<sup>2</sup> shops

## Social diversity:

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



## Energy performance

	Housing	Offices
Heating	60 kWh/m <sup>2</sup> /year	40 kWh/m <sup>2</sup> /year
DHW	< 25 kWh/m <sup>2</sup> /year	< 5 kWh/m <sup>2</sup> /year
Electricity	< 25 kWh/m <sup>2</sup> /year	< 35 kWh/m <sup>2</sup> /year



## Renewable energy

**PV:** 273 kWp (2 000 m<sup>2</sup>)

**Solar thermal:** 490 m<sup>2</sup>

**Biomass:** 2 160 kW

(4 wood fuel boilers,  
woodchips and pellets)



## - Official inauguration of the “CONCERTO” district

October 2010



## - Delivery of all dwellings and offices

End of 2010



## - Design:

- Performance objectives
- Meetings with energy consultants
- Wood supply chain: Short rotation forestry

## - Construction:

- Inspection of the buildings and systems
- Training sessions for professionals

## - Use:

- Implementation of monitoring meters
- PV systems monitoring
- Training sessions for inhabitants and employees
- Wood fuel boilers: operation & maintenance

## French-speaking final conference in Lyon :

### 20 & 21 September 2012







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## Contact

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