# "Quartier Vauban" Sustainable District in Freiburg, Germany

# Vaubanallee

Sebastian le Prestre de Vauban 1633-1707, als Generalkommissar der Befestigungen Frankreichs Leiter des Freiburger Festungsbaus 1679-1687



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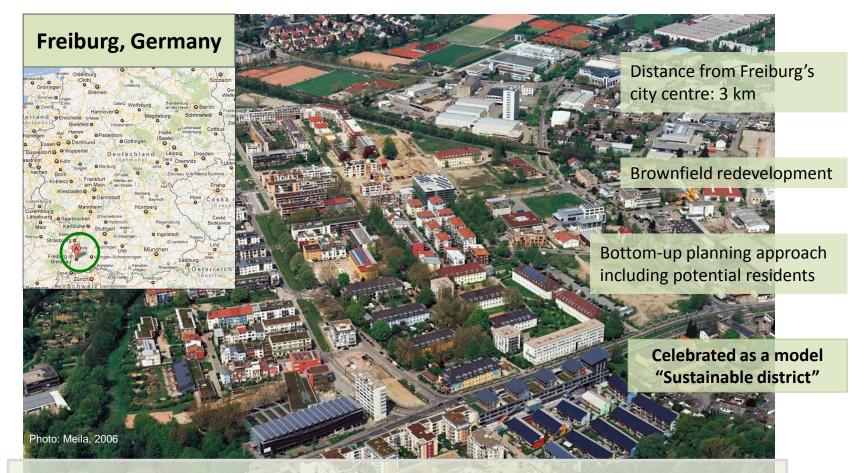
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#### IMPRINT

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### Key Facts

Population: 5,000 Housing units: 2,000

Total area: 41 ha Jobs on-site: 600 Density: 122 persons / ha Construction start: 1998

Source: ITDP, 2011



### **Implemented Vision**

- Compact district: short distances
- Alternative energy and transport concepts
  - Ecological-oriented energy use (local heating concept)
  - Low car strategies/concepts
- High liveability
  - Green spaces
  - Family-friendly
  - Social diversity
- Prioritised allocation of land: private clients and cooperatives, self-help models over investors





**Key Aspects** 

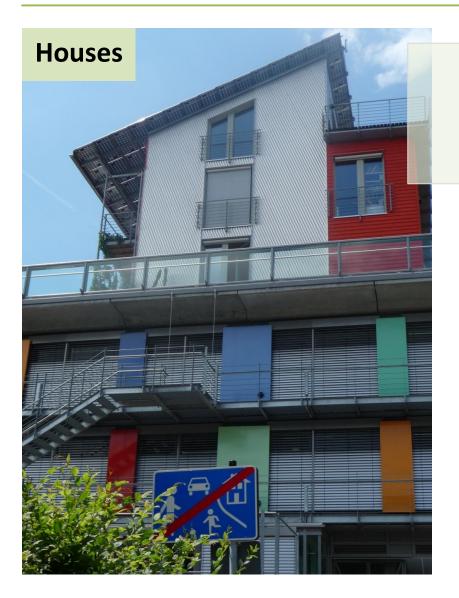
Housing

Public Spaces









Implementation of an ecological local heating concept, with **low-energy** construction methods

Housing units: 2,000

Net housing density: 95 per ha

All housing units are low-energy constructions

Multiple, mainly small building cooperatives





Most buildings are based on zero-energy and energy-plus construction

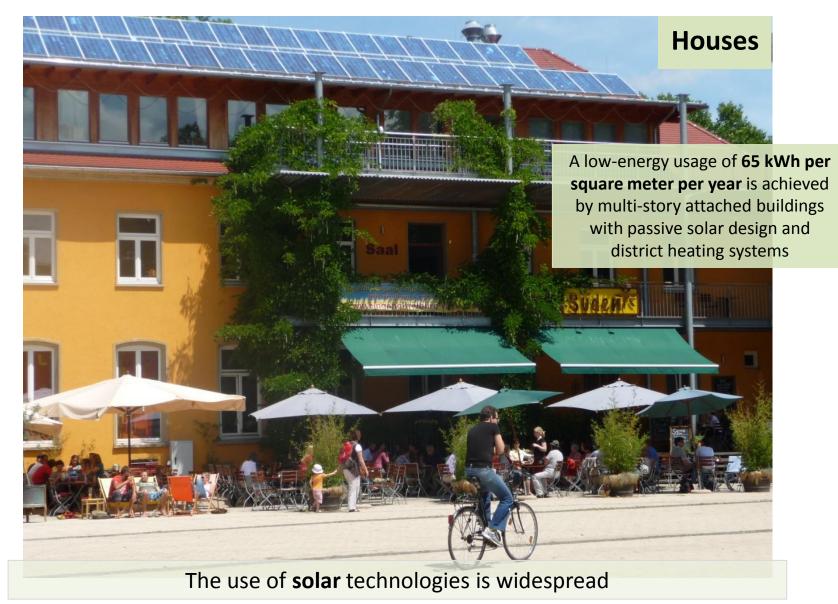
Source: Green City Freiburg, 2011





One central parking garage at the edge of the settlement









Public places and free spaces have been planned and designed

as green as possible



# **Green Public Spaces** Green spaces contribute to urban cooling, the opposite effect of urban heat-radiating by hard surface

Residents benefit from a clean, fresh and flavoursome local climate, ...













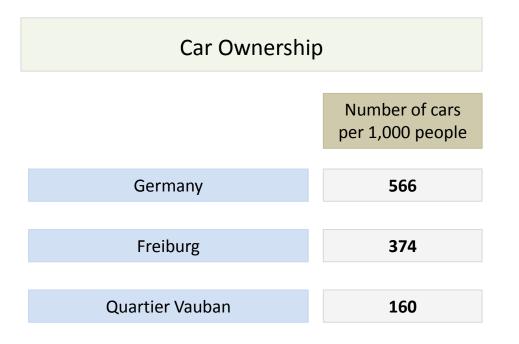




... and playing)



### Sustainable Transport



Quartier Vauban has a low level of car ownership and promotes non-motorised and public transport





The objective of a short distance district required compact land use planning,

favouring non-motorised modes of transport



### **Sustainable Transport**

In 2002, **39%** of Quartier Vauban's **households** had **carsharing** membership (as opposed to only 0.1% nationwide in Germany)

**Transport safety** is improved by applying traffic calming measures (e.g. 30 km/h car speed limitation)

Restrict car use

In 2002, **40%** of the households in Quartier Vauban **did not own a car** 

Car accessibility to residential streets only for picking up and dropping

Physical barriers restrict access for car users

A key principle was to make **car use less convenient** than other transport alternatives





Quartier Vauban's streets are devoted to people





Quartier Vauban supports sustainable transport.

Parking is provided following this principle

Source: ITDP, 2011





Bicycle parking facilities are widely available





Car free streets at Quartier Vauban





Public transport connects Vauban with Freiburg's city centre

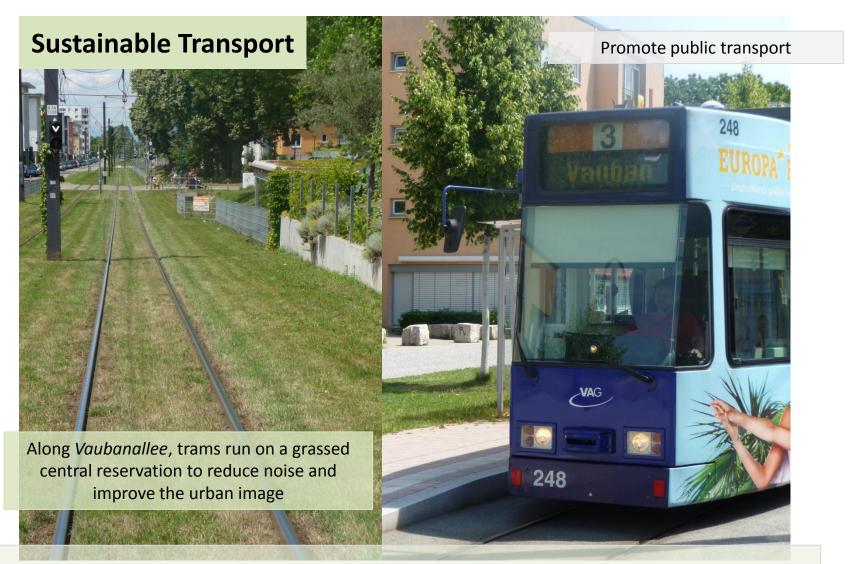
Source: ITDP, 2011





There is **integration** of modes of transport





Public transport between Vauban and Freiburg's city centre encompasses trams ...





... and buses





Mixed land use enables shopping trips by sustainable modes of transport





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### Information service

Wirtschaften

- Niedrige Energiekosten
- Imagevorteile durch internationales Renommee
- Innenstadt- und naturnah
- Verkehrsanbindung durch Stadtbahn
- Tiefgaragen-Stellplätze





### Informationen hier im Sonnenschiff:

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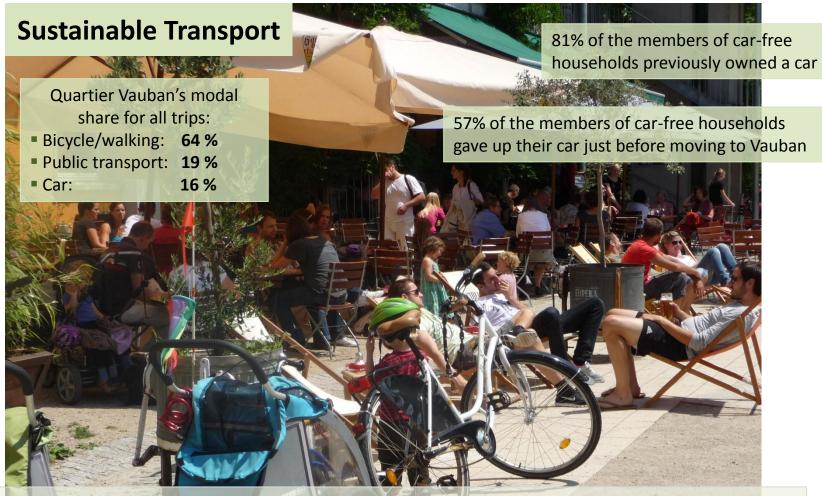
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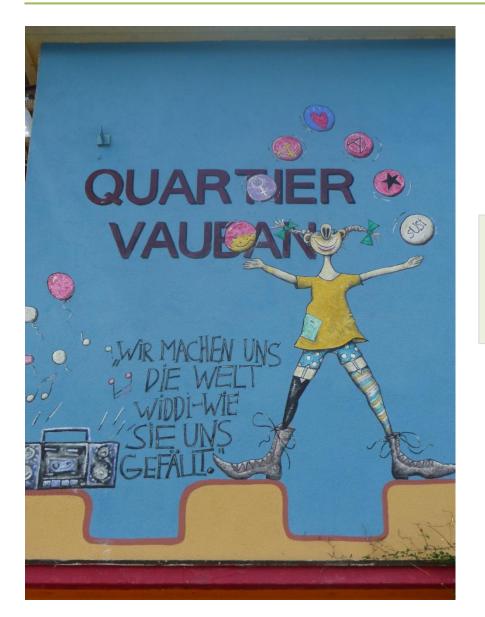
41% of car-owners use a bicycle more than they did before living in Quartier Vauban

The provision of local services and jobs, proximity to the city center, extensive non-motorised transport infrastructure and good, low-cost regional public transport services contributed to Quartier Vauban's sustainable success





More than half of car-free households were persuaded to move to Quartier Vauban and sell their own car because of: "the unique combination of carrots and sticks offered by the district"



# "We [the people] make the world as we like it!"



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