1. GENERAL INFORMATION

PROJECT: RENOVATION OF A FORMER INDUSTRIAL SITE

CONTEXT: PISTOIA, IT

ORIGINAL USE: INDUSTRIAL SITE

USE: LIBRARY

DESIGNER(S): PICA CIAMARRA ASSOCIATE

COMPLETION DATE: 2007

Keywords: Architectural Expression, Modest Transformations, Natural Lighting, Sun Chimneys, Natural ventilation systems, Natural difference pressure, Air extraction, Development and progress of this city, City’s cultural life

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2. CLIMATIC FEATURES

CLIMATE SUMMARY:

- MONTHLY DATA: RADIATION (W/mq); MAX, MID, MIN TEMPERATURE °C
- PREVALLING WIND (WIND FREQUENCY – Hrs)
- HOURLY DATA – MONTHLY DIURNAL AVERAGES
- DAILY CONDITION (1ST JAN)
3. BIOCLIMATIC FEATURES

- OPTIMUM ORIENTATION
- COMBINATION OF PASSIVE ENERGY STRATEGIES
4. URBAN AND/OR BUILDING FEATURES

The intervention in the former Breda area - area east of Pistoia - new headquarters of the San Giorgio Library, is an intervention that lives by precise spatial limits The project tends to capture the need for image of public works, that is, it does not interpret the existing to recover it, but to materialize the political vision, in the etymological sense of the term, which is underlying the decision to implement an intervention in that context significant of the city's cultural life. In this framework, the basic question of this intervention was how, in that context, to activate only modest transformations. The basic question was not just to satisfy the "library" function, but to weave in the new architectural expression the memory of the factory e the sense of a research tool inherent in a library. A library that is not "deposit", but a tool for multimedia interactions to link memory and the future. From an architectural point of view, the design themes tend to relate built / not built; dematerialize the built volume; determine a diversified internal spatiality ; solve the question of the thickness of the buildings introducing light capture and natural ventilation systems of interior spaces.
5. FOCUS QUESTION AND MAP

How to integrate bioclimatic strategies?

City's cultural life

Development and progress of this city

(PURSUES)

(CASE STUDY) A NEW LIBRARY RENOVATION OF A FORMER INDUSTRIAL SITE PISTOIA, IT

ADOPTES

PROMOTES

Natural Lighting

Architectural Expression

Sun Chimneys

Modest Transformations

Natural ventilation systems

Air extraction

Natural difference pressure

as element to promote the

(TERCF 2.2.1) drivers and barriers and sociological implications to the adoption of sustainable retrofit measures

(TERCF 1) Low Carbon Transition

involves

(TERCF 1.2) Technical and Social Integration

through

through

which used also as

based on

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6. REFERENCES