
European Building Exhibition for Solar and Lowest energy houses (Passive houses)

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Abridged Version

This project deals with establishing a network of building exhibitions between 2003 and 2005 aiming at the presentation, the marketing and the dissemination of future oriented buildings and the planning of housing estates, which according to the guidelines of the European Commission in the ALTENER Programme should reach the following goals:

- Integrated measures to use renewable energy and the efficient use of energy
- Application of tested and reliable processes in the field of renewable energy
- Special actions for increasing the use of renewable energy
- Regional measures to support renewable energy
- Dissemination and marketing of lowest energy houses (passive houses)
- Developing of innovative development schemes for a specific area and urban development schemes

The project partners are as follows: ZEBAU/IBU and the cities Hamburg, Berlin, Gera, Jena and Oelsnitz (G), Rome (I), Scandicci (Florence and Asti (I), Castilblanco de los Arroyos (S), Weiz (A), Leicester and Northampton (UK) and numerous enterprises, associations, organizations and other partners or partnerorganizations of the above mentioned member countries.

The basis is formed by planning lowest energy buildings ($<15 \text{ kWh/m}^2\text{a}$) for development areas (new development areas and brown field land) considering special limits for the constructing costs for each building: detached houses, semi- detached houses and blocks of flats.

Additional measures of the municipalities such as a traffic concept, waste management concept should be realised. The planning process of the municipalities should take the overall energy concept into consideration and in the form of a pilot project it should be demonstrated how low energy construction can be presented in the urban development scheme. The original idea of only presenting newly built houses (IBA Berlin) has been changed by some participating cities. They see this project as a chance to publish and market urban planning processes and its realisation.