

# ThinkBETA

## Evolution of Smart Cities

International Think Tank for Research and Development

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Advanced research and development of innovative arts, technologies, methodologies and innovative services are the linking aims and also to promote them via cooperative R&D projects. Technical priority is the research and development of a mobile-stationary, multi-media environment as infrastructure for smart cities.

The requirements of a future technical and cultural (mass player) infrastructure for the urban development of smart cities and the optimization of municipal services and digital infrastructures are challenges of the current research. Existing technical approaches from eGovernance, e-services, e-mobility, e-energy-services, LBS, to the user-affected eCulture and eCreativity are

integrated to develop and provide optimized mobile-stationary digital systems for urban development, planning and participation. Previous software approaches did not take into account existing expertise, e.g. in the sectors of civic participation: integration of decentralised power management or the social-economic balance in architecture were not adequately developed or focused on a single discipline perspective, which is to be counteracted through the interdisciplinary configuration of the Think Tank and its experimental approach via urban art and design. Similarly, technical and organizational issues of participatory urban planning with different approaches for different user groups are considered. In this case, alternative planning processes are integrated, with particular regard to the life-work balance. Advanced environmental and socially sustainable design is of special interest. Digital infrastructure will be directed to the local potential for participatory design, art and development, local knowledge processes and the aspect of cross-generational, social and economic networking.

**Project partners:**

Aalborg University

Bremer Zentrum für Baukultur

BxmC Brooklyn Experimental Media Center at the Polytechnic Institute of New York University"

C-Lab, University of Paderborn

Centrum Sztuki Wspolczesnej – Laznia, Danzig

Der Senator für Umwelt, Bau, Verkehr und Europa, Bremen

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HAMK University of Applied Sciences

Hochschule Bremen, University of Applied Science

Hochschule Rhein-Waal

Jacobs University, Bremen

Kristianstad University College, Schweden

Liquidnight

LWL Industrie-/ Textilmuseum Bocholt

M2C Institute for Applied Media Technology and Culture Bremen

NI Institute and Museum Bitola

Polytechnic Institute of New York University, New York

Rememberti Urban Art Project

Riga Technical University

Savannah College of Art and Design, USA

School of Health and Society, Kristianstad University

The National Museum of Denmark, Kopenhagen

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ZIM – Zentrum für interkulturelles Management der Hochschule Bremen