

PROJECT CONSORTIUM



-  HafenCity University Hamburg
Wandsbek | Free and Hanseatic City of Hamburg
-  Kohtla-Järve Town Government
Tartu Regional Energy Agency
-  Tampere University of Applied Sciences
City of Tampere
-  City of Lublin
-  Peter the Great St. Petersburg Polytechnic University
-  Region Skåne
Öresundskraft AB



CONTACT

HafenCity University Hamburg

Lead Partner

Prof. Jörg Knieling
Galya Vladova, M. Sc.

REM Consult Project Management

Jakob Marcks



info@area21-project.eu



www.area21-project.eu



twitter.com/area21_project



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1) Photo: www.mediaserver.hamburg.de / Timo Sommer and Lee Maas



**BALTIC SMART CITY AREAS
FOR THE 21ST CENTURY**





COOPERATIVE APPROACHES FOR INTEGRATED ENERGY PLANNING IN DISTRICTS

AREA 21 shifts the focus from single-building solutions to a holistic perspective on energy efficiency. It considers built-up districts as integrated energy systems consisting of technical infrastructure, local communities of energy consumers, (potential) energy producers and partners in energy planning.

The project supports cities across the Baltic Sea Region in the design and implementation of holistic strategies by promoting collaboration, developing tools and piloting methods in Energy Improvement Districts (EIDs). Public authorities, energy providers and energy consumers are actively engaged in the process to empower synergies and generation of new ideas.

AREA 21 once accomplished will provide institutions responsible for energy planning with tested strategic tools on how to plan and implement new energy efficient solutions in urban districts.

THE PROJECT ACTIVITIES WILL PROMOTE ENERGY EFFICIENCY THROUGH:

- • • Involving new actors in energy planning.
- • • Assisting public and private actors in their knowledge when developing new quarters or retrofitting building blocks.
- • • Engaging energy consumers in strategic energy planning to improve awareness of efficient design benefits and to promote behavioural change.
- • • Promoting smart technologies in the energy planning process.

PILOT AREAS: ENERGY IMPROVEMENT DISTRICTS

AREA 21 is being implemented in seven EIDs across the Baltic Sea Region. The EID concept promotes the pooling of skills, ideas and joint activities between public and private stakeholders. It provides a conceptual framework for the strategic planning of low-emission urban quarters.

- • • Anelinn | Tartu
- • • Hospital Area | Helsingborg
- • • Härmälä | Tampere
- • • Järve | Kohtla-Järve
- • • Polytechnic | St. Petersburg
- • • Barmwisch – Bramfeld | Hamburg-Wandsbek
- • • Wieniawa | Lublin

TOWARDS LOW-EMISSION EUROPEAN CITIES

Cities with their vast building stock and infrastructure, housing approximately 75% of the EU population, provide significant opportunities to support the energy transition.

Transforming existing urban structures has a great potential towards improving energy efficiency. However, transition efforts towards low-emission cities are often hampered by sectoral fragmentation and insufficient cooperation between public authorities, energy utilities and property owners. Within this context, AREA 21 seeks to be a driving force of change; developing holistic strategies to integrate sector-based approaches in energy planning and to involve stakeholders in the design, decision-making and implementation processes.

