Simone Raskob

City of Essen, Germany
Deputy Mayor for Environment and Construction

Renovate Europe Day 2015
Brussels, 15 October 2015
RUHR AREA
5.1 million inhabitants
biggest conurbation in Germany
and 3rd biggest in Europe

There we are!

Renovate Europe Day- Brussels- 15 October 2015
THE CITY OF ESSEN

577,000 inhabitants
9th biggest city in Germany
FROM GREY TO GREEN

Holistic Approach

Renovate Europe Day- Brussels- 15 October 2015
Holistic Approach

Renovate Europe Day - Brussels - 15 October 2015
ESSEN – PRESENTATION / KEY CHARACTERISTICS

- City in Germany, North-Rhine-Westfalia
- Essen is part of the conurbation Ruhr metropolis with 5.1 million inhabitants
- Essen: 574,000 inhabitants
- 210 km²
- 46 % settlement and traffic area
- 54 % shares of open space
- 150 years transformation process from a coal and steel town to a modern green residential and commercial city
SELECTED MILESTONES OF CLIMATE POLICY OF THE CITY OF ESSEN

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td>1993</td>
<td>Member of Climate Alliance</td>
</tr>
<tr>
<td>2009</td>
<td>Unanimous adoption of „Integrated Climate and Energy Concept“ - Adaptation and Mitigation</td>
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<tr>
<td>2010</td>
<td>Accession to „Covenant of Mayors“</td>
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<td>2010</td>
<td>Successfull audit for the „European energy award“</td>
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<td>2011</td>
<td>Winner of the competition „Energy Efficient Cities“</td>
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<td>2012</td>
<td>Foundation of the „Climate Agency Essen“</td>
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<td>2013</td>
<td>Recertification „European energy award“</td>
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<tr>
<td>2014</td>
<td>Finalist European Green Capital Award 2016</td>
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<tr>
<td>2015</td>
<td>Winner European Green Capital Award 2017</td>
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</tbody>
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BUILDINGS: RETRO-FITTING/OFF-PEAK-STORAGE-HEATING/ COGENERATION +DISTRICT HEATING/

Energy Demand Public Housing

Phasing-out Off-Peak-Storage Heating

Cogeneration & district heating

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ENERGY EFFICIENT CONSTRUCTION

| „Klimaschutzsiedlung“ Dilddorfer Höhe (Nearly zero energy buildings) |
| Urban revitalization: Construction of a lake and bicycle trail |
| Redevelopment of a freight terminal |
MUNICIPAL BUILDING STOCK

Nearly zero energy schools:

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CLIMATE AGENCY

- One-Stop-Agency for
- Refurbishment
- Renewable Energy
- Energy saving
- Mobility
- Climate protection

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CLIMATE AGENCY ESSEN

- Implementation of campaigns
  - Thermal imaging by plane of Essen
  - Climate Action Days: „Essen ist KLIMA-MOBIL“

- Energy services
  - Developing financing and involvement measures
  - Market place for co-generation
  - Network for craftsmen and energy advisers
  - Network business and climate
NETWORK ENERGY-RELATED BUILDING MODERNISATION

Established by the Climate Agency in cooperation with the local Craftsmen Association

Goals of the network:

- Facilitate access to competent advisory services and ensure professional implementation
- Remove obstacles and motivate for energy-related renovation
- Ensure quality in advisory services and implementation of energy-related building modernisation

Initial advisory services by the Climate Agency and referral to the network, membership of currently 30 specialised companies