Actions in transport sector in the city of Gdynia

“The primary objective of the city of Gdynia transportation policy is to create conditions for efficient and safe movement of people and goods while ensuring priority for public transport and reducing the burden of transport on the environment”.

(Integrated Public Transport Development Plan for Gdynia for years 2004-2013)

The main activities are:
1. Purchase of CNG buses
2. Trolleybuses - energy recuperation
3. Programme of purchasing 25 buses on diesel fuel fulfilling Euro-6 standard until 2020
4. “Implementation of the integrated traffic management system TRISTAR” for the Tri-city.
5. Trolley project – promotion of trolleybuses (supported by EFRD)
6. Development of bicycle paths

Success / Barriers

Success:
A significant reduction in emissions from transport into the atmosphere
Raising ecological awareness of inhabitants
Reduction of noise from transport
Lower morbidity resulting from the presence of exhaust gases in the air

Barriers:
High investment costs
“Eco-transport” in practice
Replacement of diesel buses by buses powered by natural gas in the period September 2007 - June 2011 resulted in the following reduction of toxic substances:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO\textsubscript{x}</td>
<td>reduction by 50-80% / year</td>
</tr>
<tr>
<td>CO\textsubscript{2}</td>
<td>reduction by 20% / year</td>
</tr>
<tr>
<td>CO</td>
<td>reduction by 60-80% / year</td>
</tr>
<tr>
<td>PM10</td>
<td>reduction by ca. 99% / year</td>
</tr>
<tr>
<td>Aldehydes</td>
<td>reduction by ca. 70% / year</td>
</tr>
<tr>
<td>Aromatic hydrocarbons</td>
<td>reduction by ca. 90% / year</td>
</tr>
</tbody>
</table>

Actions undertaken and planned
- Gdynia currently operates 14 buses on CNG. It is planned that by 2020 there will be 26 such buses.
- During years 2012-2020 it is planned to purchase 30 new trolley buses with energy recovery system.

Results and Impacts
Activities undertaken in the transport sector in the city of Gdynia will reduce CO\textsubscript{2} emissions by 21 800 Mg by 2020 and energy consumption by 58 600 MWh.
Estimated cost of implementation: 230.5 million PLN (ca. 57 million EUR).

Find out more about this and other Sustainable Energy Actions, online at: www.regions202020.eu/gp

**ENERREG Contact**
BAPE – Baltic Energy Conservation Agency
ul. Budowlanych 31
Gdańsk 80-298
Polska
e-mail: bape@bape.com.pl
Katarzyna Grecka, ENNEREG Project Partner

**Further Information**
Websites:
Urząd Miasta Gdynia;
Łukasz Dąbrowski
e-mail: l.dabrowski@gdynia.pl
www.gdynia.pl

The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Union or members of the ENNEREG Project Consortium. Neither the European Commission, nor the ENNEREG Project Consortium Members nor the authors are responsible for any use that may be made of the information contained herein.

Page 2 of 2