

<b>Cogeneration and Urban Planning - Frankfurt am Main, Germany</b>	
<b>Keywords</b>	<b>Sustainable Urban Planning, Small District Heating Networks, Integration of CHP into Urban Planning</b>
<b>Pictures</b>	
<b>Objectives</b>	Including CHP in urban planning of new and refurbished districts, setting up small district heating networks
<b>Description</b>	<p>CHP is a very powerful technology, combining high energy efficiency, avoiding energy losses and replacing big power stations, it is cost effective and has involves much lower emissions than conventional power plants. However, CHP does not come up by itself. The City can and must organize, plan, recommend and help to implement CHP power stations in buildings and district networks.</p> <p>Frankfurt has more than 120 small and medium decentralized CHP power units and a great experience, which it would be happy to share with other cities.</p> <p>Together with Energie Cites and Climate Alliance and other partners this is documented in the <a href="http://www.COGEN-challenge.org">www.COGEN-challenge.org</a> website.</p>
<b>Results / Achievements</b>	The total installed capacity of decentralized CHP in Frankfurt is of more than 20.000 kW electrical power, more than 100 Mio kWhel produced per annum, about 30 Mio. investment, which correspond to 600 working-place-years. Especially for tenants the heating costs are not higher than non-CHP heating.
<b>Friendly advice for replication</b>	Each city should learn about CHP and try to become a local promoter of CHP. Politicians should be informed about the effect and advantages of CHP.
<b>Online information</b>	<a href="http://www.cogen-challenge.org">www.cogen-challenge.org</a>
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