

**Good Practice in Integration of Waste Management Solutions  
into the Urban Décor of Heritage Areas**

N°.	Section	Description
0.	<b>Title of the practice</b>	<p>Aesthetic solutions in the waste management system in the Municipality of Krakow:</p> <ul style="list-style-type: none"> <li>• aesthetic waste rooms and bins</li> <li>• stickers on the waste collection vehicles with the city image</li> <li>• smaller waste collection vehicles in the Heritage City Center</li> <li>• Municipal Police control as a tool for increasing of waste management aesthetics</li> </ul>
1.	<b>Photograph</b>	

<b>2. Proposers</b>	Municipal Cleaning Company Ltd. - the administrator of the waste management system in Municipality of Krakow
<b>3. Contacts</b>	Piotr Odorczyk – a press officer of the Municipal Cleaning Company, +48 12 646 23 80, +48 12 646 22 22, <a href="mailto:rzecznik@mpo.krakow.pl">rzecznik@mpo.krakow.pl</a> , <a href="mailto:mpo@mpo.krakow.pl">mpo@mpo.krakow.pl</a>
<b>4. Useful links</b>	<a href="http://www.mpo.krakow.pl">www.mpo.krakow.pl</a>
<b>5. Start date</b>	1 August 2013 – Municipal Police and Municipal Cleaning Company control launch 2004 – purchase of BELWEDER type trash bins 2016 – purchase of TALLIN type trash bins
<b>6. Activities' state of the art</b>	Ongoing
<b>7. Location</b>	Municipality of Krakow including the Heritage City Center
<b>8. Inhabitants in the area</b>	768 000 – inhabitants of the Municipality of Krakow (including 1536 inhabitants of the Heritage City Centre)
<b>9. Description of the practice</b>	<p><u>Origin:</u></p> <p>In 1978, the Old Town with Wawel, Kazimierz and Stradom was included in the UNESCO World Heritage List. Over 12 000 000 tourists visit The Municipality of Krakow every year. That is why the Municipality needs to cope with the aesthetic aspect of the city, including the waste management field e.g. aesthetic trash bins (BELWEDER and TALLIN types) and waste rooms (iron, panel, net types).</p> <p>A waste collection in the Heritage City Center is handled by smaller waste collection vehicles, Because of a high tourist traffic. It improves the aesthetic value of the city and tourists' comfort.</p> <p>Several cultural events take place in the Heritage City Center, e.g. Christmas market or Dumplings Festival. During the events trash bins are covered by a wooden housing. It perfectly composes with wooden market stalls.</p> <p>The Municipal Cleaning Company – the administrator of the waste management system in the Municipality of Krakow has waste collection vehicles fleet which identify itself with the Municipality thanks to sticker on the waste collection and cleaning vehicles which presents the Main Square with the most important monuments.</p> <p>In the structure of the Municipal Cleaning Company Department of Control of the Waste Management System was separated. Two control specialists are assigned to each sector in a cooperation with the Municipal Police. It helps to maintain a proper look of the containers placed in the waste rooms and forces owners of properties to keep them in a good condition. The right technical condition of the bring-in sites is controlled by two inspectors of the Municipality of Krakow too.</p> <p><u>Development and Timescale:</u></p> <p>Aesthetics in the field of waste management in the Municipality of Krakow increases. In 2016 year the Municipal Cleaning Company on behalf of the Municipality of Krakow purchased 1100 Tallin type</p>

trash bins, which improved the aesthetics of the city. Newer and more aesthetic waste rooms emerge in the estates nowadays.

Factors involved:

The administrator of the waste management system in the Municipality of Krakow – Municipal Cleaning Company is responsible for the purchase of trash bins, which invoices the Municipality of Krakow. Owners of properties are required to place containers to waste collection places in a way that facilitates selective waste collection.

Owners of properties (including housing co-operatives) are responsible also for building a waste room and keeping the room and containers in a good condition, which is under control of the Municipal Cleaning Company and Municipal Police workers.

Legal framework:

The legal framework related to the waste management in the Municipality of Krakow includes: the law on maintaining cleanliness and order in municipalities and the act of local law – the Regulations of maintenance of the cleanliness and order in the Municipality of Krakow established by the Krakow City Council. Waste rooms regulations are included in the Regulations of maintenance of the cleanliness and order in the Municipality of Krakow and the Regulation of the Minister of Infrastructure on technical conditions to be met by buildings and their location. The Municipal Cleaning Company made an agreement with the Municipal Police on implementation and monitoring of compliance with the application of the Law on the maintenance of cleanliness and order in municipalities rules.

Financial framework:

TALLIN type single trash bin cost – 1000 PLN (232 EUR). The total cost of the 1100 bins was around 1 000 000 PLN (~232 000 EUR).

BELWEDER type single trash bin cost – 4 450 PLN (~1 030 EUR)

Panel waste room cost – 7 500 PLN (~1750 EUR)

Average cost of the waste management controlling system Municipal Police side – 1 000 000 PLN/year (~232 000 EUR/year).

- 2015: 1 313 000 PLN (~305 000 EUR)
- 2016: 785 000 PLN (~182 000 EUR)

**10. Results**

Proven results (through indicators) and possible success factors:

The proven result of the control of the waste management in properties carried out by the Municipal Police and Municipal Cleaning Company are the amount delinquencies and fines imposed by the Municipal Police:

- 2016: 3 609 controls, 1 118 delinquencies, 464 fines for the amount of 45 000 PLN (10 500 EUR)

The success factors of the aesthetic solutions in the waste management system in the Municipality of Krakow are:

- improving of the aesthetic of waste rooms and containers by providing control activities.
- improves the comfort and satisfaction of tourists as well as the aesthetic value of the Heritage City Centre by using smaller waste collection vehicles
- increasing of the aesthetic of the city by aesthetic bins and waste rooms

	<p><u>Main difficulties encountered:</u></p>	<ul style="list-style-type: none"> <li>- acts of vandalism of bring-in sited containers and waste rooms (burning, graffiti)</li> <li>- high costs of the controlling system, bins, etc.</li> <li>- highly restrictive procedures and rules connected with the implementing the new aesthetic solution in the Heritage City Center (e.g. obtaining the approval of the urban conservator of monuments)</li> <li>- difficult access to controlled property which decreases the results of controls</li> </ul>
<p><b>11.</b></p>	<p><b>Main lessons learnt from the practice</b></p>	<p>Aesthetic solutions in the Waste Management System in the Municipality of Krakow like aesthetic bins and waste rooms, stickers on the waste collection vehicles smaller waste collection vehicles in the Heritage City Center and controlling tool improve of the aesthetics of the city. It also improves the comfort and satisfaction of tourists as well as the aesthetic value of the Heritage City Centre.</p>
<p><b>12.</b></p>	<p><b>Additional information</b></p>	<p><a href="http://www.mpo.krakow.pl">www.mpo.krakow.pl</a></p>