Regeneration of military sites as a factor in the improvement of the town’s logistics infrastructure

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Agenda

1. Introduction
2. Characterization of post-military sites
3. Functional and spatial changes
4. Conclusions
1. Introduction

Regeneration constitutes an important element in the area of sustainable development. When defined narrowly, this means restoration and rebirth (literally speaking, bringing back to life); in relation to planning space, this means a replacement of an old and unsuitable function of the area with a new and better one for of its use.

The idea of regeneration may also be manifest in an improvement of the quality of life and the functioning of urban management.

In the regeneration process, experts emphasize the schedule of actions, and refer to it as a “system of actions” or a “sequence of scheduled actions” aimed at an economic revival and changes to the functional and spatial structure of degraded urban areas.
The present research covers the town of Piła which is the capital of Pilski District.

<table>
<thead>
<tr>
<th>Selected properties</th>
<th>Value of property</th>
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<tbody>
<tr>
<td>Area of town in ha</td>
<td>10,268</td>
</tr>
<tr>
<td>Population in thousand</td>
<td>74,930</td>
</tr>
<tr>
<td>Income of commune in PLN per capita</td>
<td>2916</td>
</tr>
<tr>
<td>Expenses in commune for transport and communication in per cent</td>
<td>10.1</td>
</tr>
<tr>
<td>Total national economy entities</td>
<td>8,470</td>
</tr>
</tbody>
</table>
2. Characterization of post-military sites

The liquidation of the military units of the Piła Garizon, which was carried out in the years of 1998 – 2000 as part of the restructuring and modernization of the Armed Forces of the Republic of Poland, resulted in a historical, economic, social and investment degradation of the Town.
Military units in the Piła Garizon in the years of 1944 – 2002

<table>
<thead>
<tr>
<th>Name of military unit</th>
<th>Formed</th>
<th>Closed</th>
</tr>
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<tbody>
<tr>
<td>Officers’ Automotive School</td>
<td>1948</td>
<td>1967</td>
</tr>
<tr>
<td>Higher Officers’ Automotive School</td>
<td>1967</td>
<td>1990</td>
</tr>
<tr>
<td>Tank and Automotive Service Training Centre</td>
<td>1990</td>
<td>1994</td>
</tr>
<tr>
<td>Tank and Automotive Training Centre</td>
<td>1994</td>
<td>2002</td>
</tr>
<tr>
<td>2nd Hunting and Bomb Airlift Division</td>
<td>1944</td>
<td>1998</td>
</tr>
<tr>
<td>6th Hunting and Bomb Wing</td>
<td>1952</td>
<td>1998</td>
</tr>
<tr>
<td>87th Communication Battalion</td>
<td>1969</td>
<td>1999</td>
</tr>
<tr>
<td>48th Field Aviation Workshop</td>
<td>1952</td>
<td>1999</td>
</tr>
<tr>
<td>Provincial Military Staff</td>
<td>1975</td>
<td>1999</td>
</tr>
<tr>
<td>2nd Aviation Control Centre</td>
<td>1978</td>
<td>2001</td>
</tr>
<tr>
<td>Military Band</td>
<td>1975</td>
<td>2001</td>
</tr>
</tbody>
</table>
The problem areas listed below are to be covered by regeneration activities:

- Airport,
- Vicinity of the airport,
- Area of the following streets: Podchorąży – Bydgoskiej,
- Training grounds: area of the following streets: Bydgoskiej – Wawelskiej,
- Area of the streets: Śniadeckich – al. Powstańców Wlkp.,
- Area of the streets Kossaka and al. Powstańców Wlkp.,
- Region of the Piła – Podlasie hub.

11 entities to be directly involved in the programme were engaged in the regeneration activities. 27 projects were included in the programme, whose total joint value was initially PLN 240.4m; in the years of 2007 – 2013, expenses were made in the amount of PLN 234.4m.
3. Functional and spatial changes
The regeneration of military areas
Regeneration street arrangement in Piła
The former military grounds in Piła were converted into housing estates, school and administrative facilities and other public utility facilities, an airport and also tourist and recreation facilities. Those buildings the army used to be stationed frequently would require only minor alteration. The buildings in the area of the streets: Podchorążych – Bydgoska, which used to be occupied by the Higher Officers' Automotive School, were converted the residential estate; this is an example of such activities.
At the junction of the streets of Śniadeckich and al. Powstańców Wielkopolskich, in the period from 22 July 1979 to March 2003, the Shooting Centre would function that belonged to the Polish Army. Owing to the revitalization project, the Municipal Centre of Sports and Recreation in Piła modernized and reconstructed “the Shooting Centre” (in October 2012, “Tarcza” Centre of Sports Shooting was started).

The implementation of the regeneration programme aimed at the construction of an internal ring road of the Town of Piła in the route of the following streets: Koszalińska, 500-lecia Piły, Głuchowska, J. Kusocińskiego, Okólna, Zygmunta Starego, S. Okrzei, Podgórna and A. Mickiewicza allowed to facilitate the traffic between the individual districts while omitting the town centre.
The 6th Hunting and Bomb Wing stationed in Piła. In the year 2006, there was a meeting of investors concerning the airport in Piła. The representatives of several partnerships (including Philips Lighting Poland) were present in the meeting.

An attempt was made to reactivate the airport and to create a Cargo base, and to set up the Flying Club of Pilska Land. In accordance with the arrangements included in the “Local Programme of the Regeneration of Post-Military Areas in the Town of Piła” in the year 2007, the airport was started again for the purposes of the Flying Club of Pilska Land.
## Financial outlays on roads in urban regeneration the military areas

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<tbody>
<tr>
<td>I</td>
<td>Building the downtown of the city Piła-Powstańców Wlkp. - Wojska Polskiego</td>
<td>4 053 312,04</td>
<td>74 095 635,90</td>
<td>0,00</td>
<td>78 148 947,94</td>
</tr>
<tr>
<td>II</td>
<td>Phase I New connection road 11 and 179, North. - West. episode the ring road of Piła</td>
<td>4 053 312,04</td>
<td>24 311 165,95</td>
<td>0,00</td>
<td>28 364 477,99</td>
</tr>
<tr>
<td></td>
<td>Phase II New connection road 11 and 188,</td>
<td>0,00</td>
<td>49 784 469,95</td>
<td>0,00</td>
<td>49 784 469,95</td>
</tr>
<tr>
<td></td>
<td>Construction of roads</td>
<td>0,00</td>
<td>2 000 000,00</td>
<td>1 000 000,00</td>
<td>3 000 000,00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>8106624,08</td>
<td>150191271,8</td>
<td>1000000,00</td>
<td>159297895,88</td>
</tr>
</tbody>
</table>
Functions of post-military sites after the process of regeneration

- Recreation and sports: 50
- Trade: 45
- Entertainment: 40
- Educational: 30
- No new function: 15
Conclusions

• improvement of tourism (bike paths, hiking trails etc.)
• new customer service center (Municipal Centre of Sports and Recreation, Shooting Centre, Shopping Center „Kasztanowa” etc.)
• decrease in traffic of commercial motor vehicles
• reducing the pollution levels in the city centre
• the regeneration is a multifaceted process of the revival of municipal areas, one which deeply interferes with the spatial and social system based on the conception of sustainable development
• the survey demonstrates that the regeneration process of the post-military sites resulted in improved residential conditions in the Town
• what was particularly expensive was the removal of ecological threats, misfires and having to meet requirements related to public utility facilities
References

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