

Promoting **clean** public transport

Trolley

TROLLEY – What was achieved in Gdynia

Barbara Woźniak
Monika Grocholewska
Wanda Strzyżewska – Klapkowska
Department of Investments
City of Gdynia

TROLLEY Final Conference

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Starting point



Trolley
Promoting *electric* public transport

► GDYNIA

- City rights in 1926
- It has 250 000 inhabitants
- Port city
- With Sopot and Gdańsk forms the Tri-City Agglomeration
- The total area -136km²

- Vibrant, young, modern, economically and culturally developing city



Trolleybus history



Gdynia trolleybus Henschel nr inw. 206 (1950 r.)
www.pktgdynia.pl

■ The trolleybus system in Gdynia is functioning since 1943 and currently the biggest and the most modern system in Poland.

■ **Przedsiębiorstwo Komunikacji Trolejbusowej Sp. z o.o.** is the company operating trolleybuses in Gdynia and Sopot

■ **Development of proecological public transport in Gdynia -**
building of a new, modern depot,

building of new 10,6 km trollebus line with a new terminus in Kacze Buki,
purchase of 10 new low-floor trolleybuses

■ **Conversion of trolleybuses** — the prototype was built from an old Mercedes Benz O405N in Gdynia Trolleybus Company Ltd. workshop and was let out on Gdynia's roads on 6th December 2004.

■ **Development of proecological public transport in Metropolitan TriCity Area –**

modernisation of traction on Al. Zwycięstwa in Gdynia, Al. Niepodległości in Sopot with new terminus on ul. Reja,

building of 4 new substations along tractionline,

modernisation of 5 existing substations along tractionline,

building of a remote control Center,

purchase of 25 new low-floor trolleybuses



www.pktgdynia.pl



- ▶ Reason for interest in participating in TROLLEY and main aims
- ▶ Promoting trolleybus transport among Gdynia's citizens
- ▶ Changing people's perception of trolleybuses as a slow and old fashioned mean of transport
- ▶ Compiling of best case examples of trolleybus systems in Europe
- ▶ Dissemination of know-how of diesel bus into trolleybus conversion

European Trolleybus Days

- ▶ Gdynia organised 3 European Trolleybus Days, which included attractions such as: giving out promotional materials in trolleybuses, branding trolleybuses for the occasion, organising a photo exhibition, organising a conference, visits to trolleybus depot, running a special „retro vehicle” line in the city center.
- ▶ The 3rd year of ETD Gdynia successfully with Tychy and Lublin – the other Polish trolleybus cities



Photo competitions

- ▶ Gdynia organised 2 photo competitions in 2011 and 2012, both very successful
- ▶ In 2011 Gdynia received 24 entries from the TriCity citizens
- ▶ In 2012 Gdynia received 92 entries from all of Poland, mostly from Tri-City, Lublin and Tychy

*2011 photo competition
„My trolleybus – My City”*

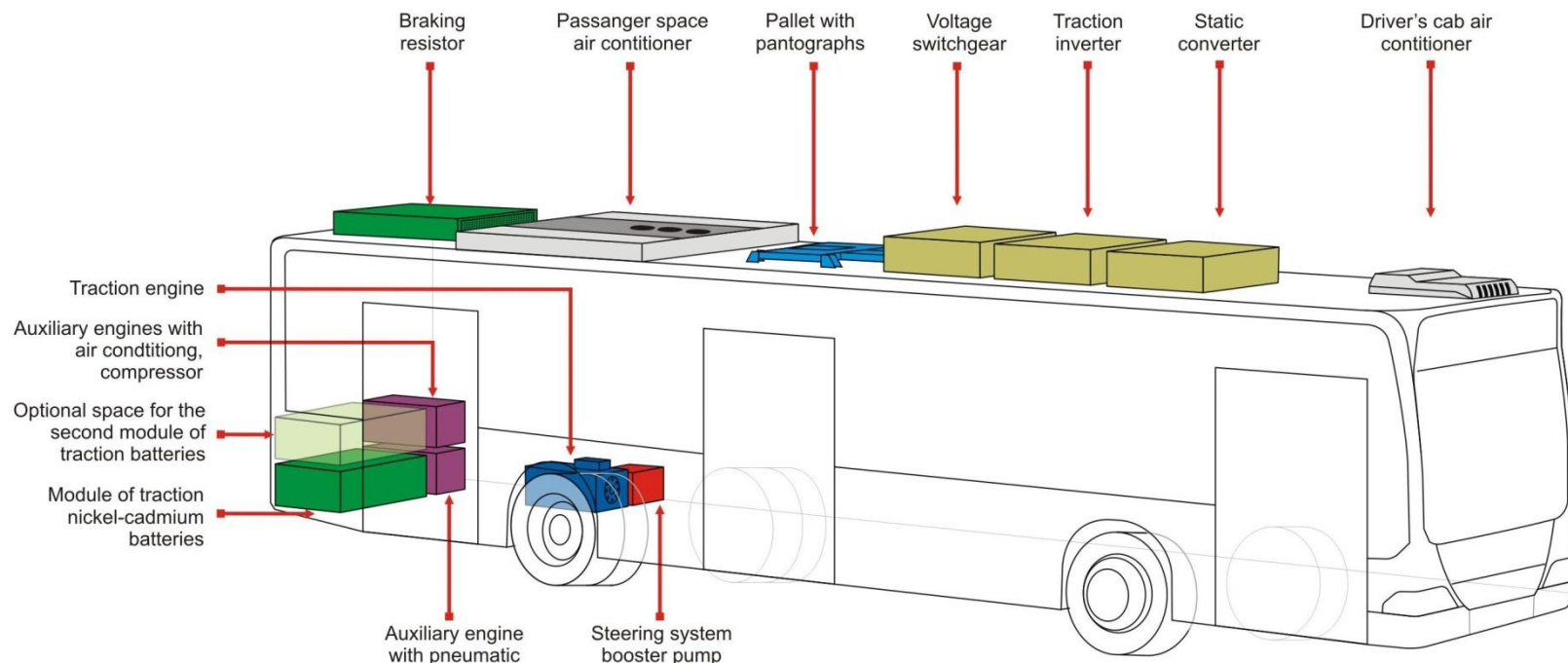


*2012 photo competition
„My trolleybus – My City”*



„Best practice review of conversion of diesel engine buses to a trolleybus”

- Gdynia has elaborated a best practice review of conversion of a diesel engine bus into a trolleybus which took into account existing technology of converting regular diesel buses into trolleybuses. It included an analysis of experience of TROLLEY partners and other trolleybus cities in Europe.



Guidebook „Conversion of a diesel bus into a trolleybus”

- ▶ Gdynia has introduced an organizational innovation by elaborating and making available the **handbook “Conversion of a diesel engine bus into a trolleybus”**.
- ▶ Through its long experience, Gdynia developed a conversion process that's optimal technically and financially.
- ▶ It has compiled its lessons learned in to a handbook, "Conversion of a Diesel Engine Bus into a Trolleybus," published in Polish and English. It was planned to be posted for download on the website of the EU-funded project TROLLEY (www.trolley.eu).
- ▶ Until today Gdynia has itself converted 30 trolleybuses.
- ▶ The “converted trolleybuses” cost 25% of a new vehicle.
- ▶ Conversion is an attractive approach to fleet modernisation, particularly to many Central and Eastern European city that have large trolleybus fleets and strained municipal budgets.



Public Transport TRANSEXPO Fair in Kielce 2012

- ▶ In October 2012 Gdynia took part and had an exhibition stand promoting and disseminating Trolley project, Gdynia's achievements and part in the project. The fair was attended by 2000 persons and there was great interest in Gdynia's stand among the participants..
- ▶ The guidebook on conversion was presented at the International Fair of Public Transport TRANXESPO in Kielce.



What has changed in ... through TROLLEY

- ▶ Gdynia has increased awareness among its citizens on electromobility
- ▶ Gdynia has improved perception trolleybuses as a modern, green mean of transport
- ▶ Gdynia has increased awareness of citizens about the conversion of buses into trolleybuses
- ▶ Gdynia is very proud of its Trolleybus „heritage”, acknowledges its advantages and perceives as one of the city's trademarks. This has especially been emphasised through participating in TROLLEY project.



How can others benefit?

- ▶ Dissemination of know-how on conversion was possible through TROLLEY project.
- ▶ Guidebook “**Conversion of a diesel engine bus into a trolleybus**” will be available on a website of TROLLEY project (www.trolley.eu)
- ▶ Paper copies will be sent to partner cities in Lithuania, Latvia, Estonia, Belarus, Russia, Ukraine and Georgia.
- ▶ This study will make easier, for other trolleybus operators especially from Central Europe, to improve competitiveness of trolleybus systems and will provide “know how” for cities which consider launching trolleybuses.



What is the way forward after TROLLEY in ...

- ▶ Gdynia will continue building, modernising the trolleybus system in the city.
- ▶ A PROMOTIONAL STRATEGY has been elaborated for developing a positive image of trolley communication among selected groups of inhabitants of Gdynia
- ▶ On this basis promotional materials will be prepared in February 2013 addressed to different age passengers – Gdynia's citizens (target groups)
- ▶ Will continue the annual celebration of the European Trolley Day

**Participation in the TROLLEY project is a great honour for Gdynia.
The opportunity to exchange experiences with European "trolleybus
premier league" partners from TROLLEY is a great pleasure and gives
added value**

**Thank you for your
attention!**