



What happens to used catalyst converters in Russia ?

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Answer is simple:

NOTHING!

Converters ends-up with the car in the forest



Dumped with the household wastes at the landfill



Car and its components is haz. wastes

Federal waste classification catalogue

Waste law

Governmental decrees

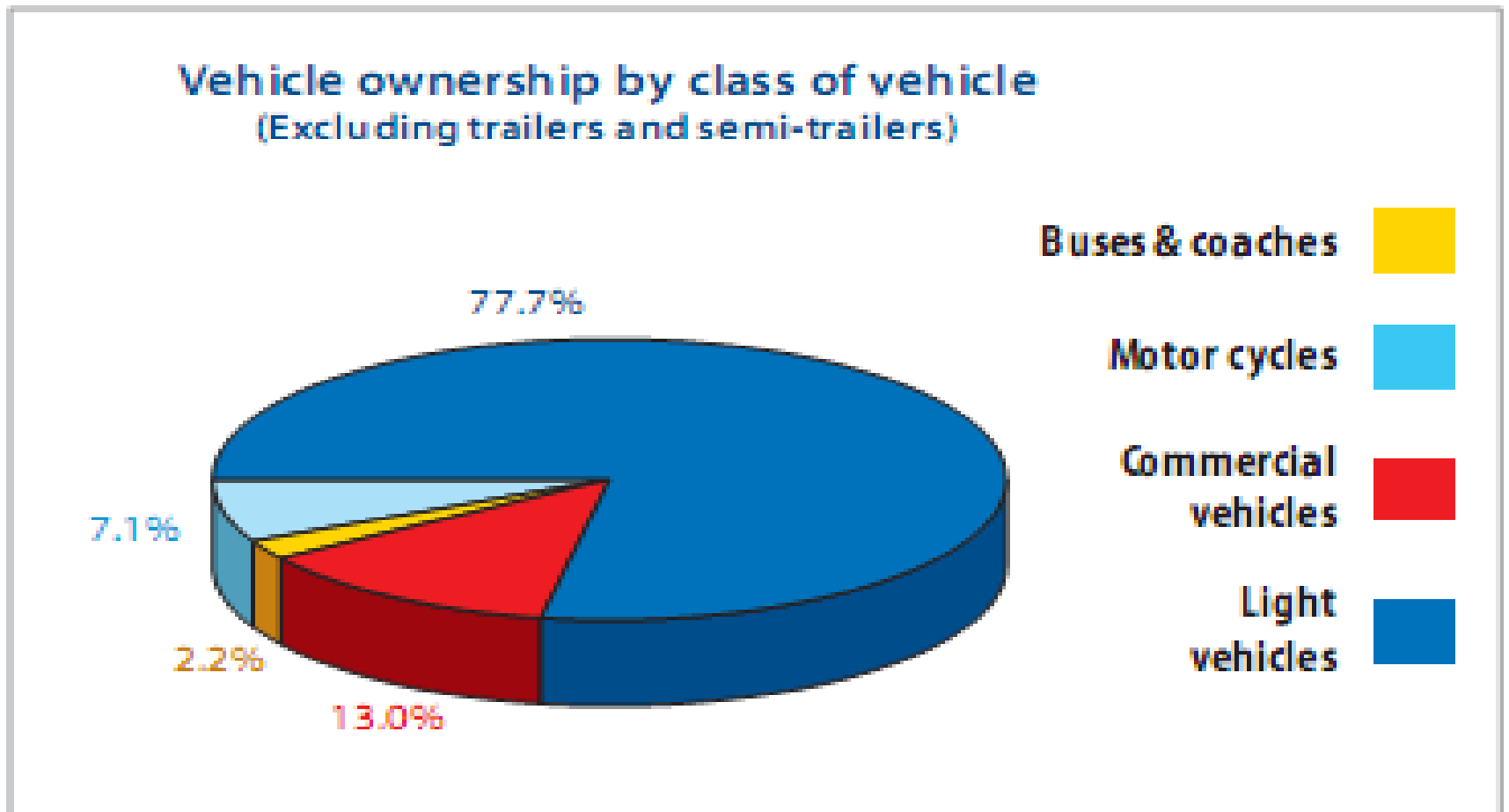
BUT

All this norms applicable only to legal
entities

AND

No cars waste law

vehicle ownership by class of vehicle



Estimate amount of converters

- Total amount of vehicles registered in Russia in 2008 – 43, 5 mln. units.
- Light vehicles – 33, 4 mln. units
- Foreign vehicles – 10 mln. units
- Russian with converter – 1 mln. units (very optimistic!)

Total :

11 mln. convertes is in use

Ural Electrochemical plant **estimations**

- **Annual market intake of PGM with converters they produced is 1 tonn a year**
- **Total amount of PGM in Russian made converters is about 10 tonns**
- **Moscow annual spent converters market is about 150 – 200 tonns/year**

Pre-feasibility study outcomes

7 independent procurers has been identified

They average price is 10 EUR/unit

About 13 converters recyclers are available

**Majority of end-owners has no information on
PGM recycling facilities/procurers**

No collection system

How to breakthrough?

1. Vehicles EPR law (Car recycling law)
2. Deposit as a tool to bring car back for recycling and to strengthen responsibility
3. Large informational campaign

How to breakthrough?

- 1. Vehicles EPR law (Car recycling law):**
 - obsolete car data base**
 - creation of free of any charge drop-off points for obsolete spare parts and liquids**
 - IT monitoring of all cars registered in the country to prevent illegal dump**
 - second hand spare parts market legalization**
 - regulation of final disposal of non recyclable car parts**

How to breakthrough?

2. Deposit as a tool to bring car back for recycling and to strengthen responsibility:

- Tax system needs to be updated**
- The only way on how to implement the law**

How to breakthrough?

3. Large informational campaign:

- To educate the end-users**
- To collect more materials**
- To have the system transparent**

Any volunteers?

- To offer recycling opportunities to all customers: spent batteries, spare parts, converters etc. free of charge
- To push for legislation harmonization with EU
- To take voluntary obligations for proper cars disposal until the legislation is not in place

How can I help you?

The obligations can be:

- To cover end-user expenses when car is sent to approved recycler
- To make a discount if new car is replacing recycled one
- To provide information and recommendations of car and car parts safe disposal rules
- List can be continued.....

**Thank you very much
for your attention!**

If questions:

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