



Ministry of construction, transport and infrastructure

Public enterprise “Roads od Serbia“



ELECTRONIC TOLL COLLECTION

- State of play -

Puzović Jelena

Head of Department for Electronic Toll Collection

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ELECTRONIC TOLL COLLECTION



INSTITUTIONAL FRAMEWORK AND LEGISLATION

MINISTRY OF CONSTRUCTION, TRANSPORT AND INFRASTRUCTURE

- competent for preparing the legislation related to toll payment:
 1. **Law on Roads** – adopted in May 2018.
 2. **Rulebook on method of electronic toll collection, special conditions and technical requirements for EETC and elements of interoperability** – adopted in October 2019.
 3. **Law on Charges for Usage of Public Goods** – adopted in December 2018
 - prescribes special fee for the usage of public roads, their sections and public road infrastructure (toll)

The Electronic Toll Collection in the Republic of Serbia is entirely compatible with the EU recommendations, according to the Directives 2004/52/EC, 2007/64/EC and Decision 2009/750/EC, and it enables interconnection with a huge part of the electronic toll collection systems installed in other European countries. In realization of Electronic Toll Collection – ETC, the technology with frequency of 5,8GHz is used. More than 90% of installed electronic toll collection systems in Europe is based on this technology. The system is technically capable of being included into European Electronic Toll Collection (EETC).

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PUBLIC ENTERPRISE „ROADS OF SERBIA“

- The organization and control of tolls for the use of roads shall be carried out in accordance with the Law on Roads, Article 9.
- Fee for the usage of public roads is used for construction, reconstruction, maintenance and protection of public roads (article 19. Law on Roads)



**APPRECIATE
YOUR TIME USE**



ETC

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THE MAIN FACTS ABOUT ETC SYSTEM IN REPUBLIC OF SERBIA

- **Domestic research and development institution - Institute „Mihailo PUPIN“** has developed system of ETC in Serbia.
- **started in 2007.**
- **based on the DSRC** (Dedicated Short Range Communication) technology on 5.8 GHz which is aligned with article 2 paragraph 1 point (b) of Directive 2004/52/EC
- The ETC system is represented on the motorways of **819.68 km**. It is performed by an automatic toll collection system consisting of **65 toll stations**.
- Each user of the ETC system has an on-board unit (OBU) attached to the windscreen of the vehicle
- The speed of the vehicle passing through the toll station is limited to 30 km / h for safety reasons
- Implemented for pre-paid and post-paid users



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-The method of payment of special fee (toll) for the use of state roads (highways and semi-motorways) in the Republic of Serbia as well as the base for exemption from payment are regulated by the Law on Charges on Usage of Public Goods.

-On the 16st January 2020, toll collection is performed in the closed system on all sections of Coridor X.



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FUTURE PLAN

- Interoperability with neighbouring countries (Federation of Bosnia and Herzegovina, Republic of North Macedonia and Republic of Montenegro) as well as with the other countries.



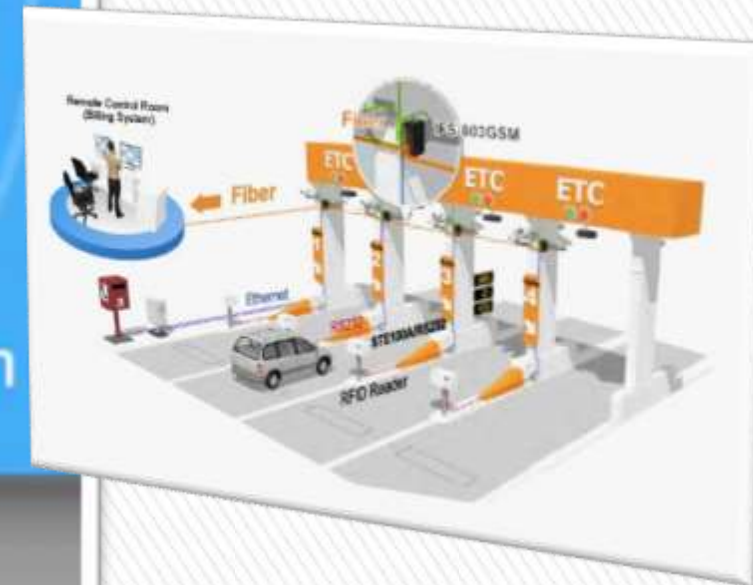


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Electronic toll collection-ETC is a modern model for contactless toll payment by using TAG devices for adequate vehicle category.

ETC ENABLES:

- Passage without stopping on earmarked toll lanes
- Simplicity of toll payment without waiting and cash payments
- Comfortable and safe driving by avoiding possible delays



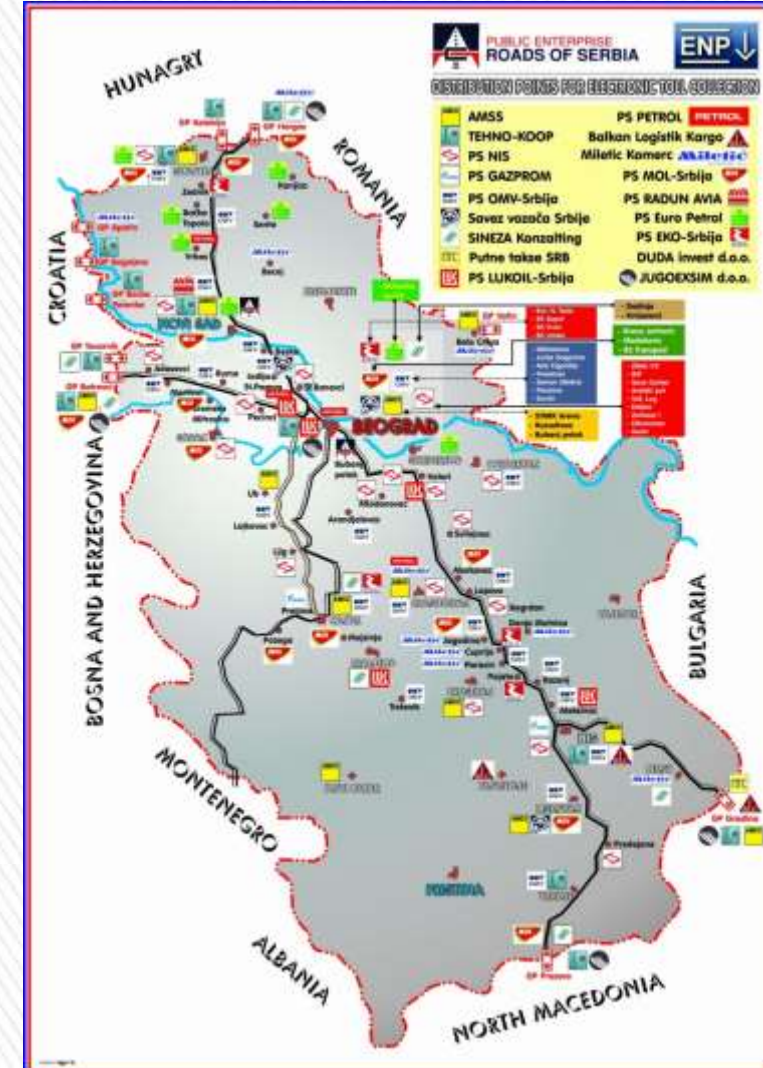
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ETC DISTRIBUTION NETWORK

The Sector for Toll Collection sells and recharges ETC devices through the network of **25** authorized distributors

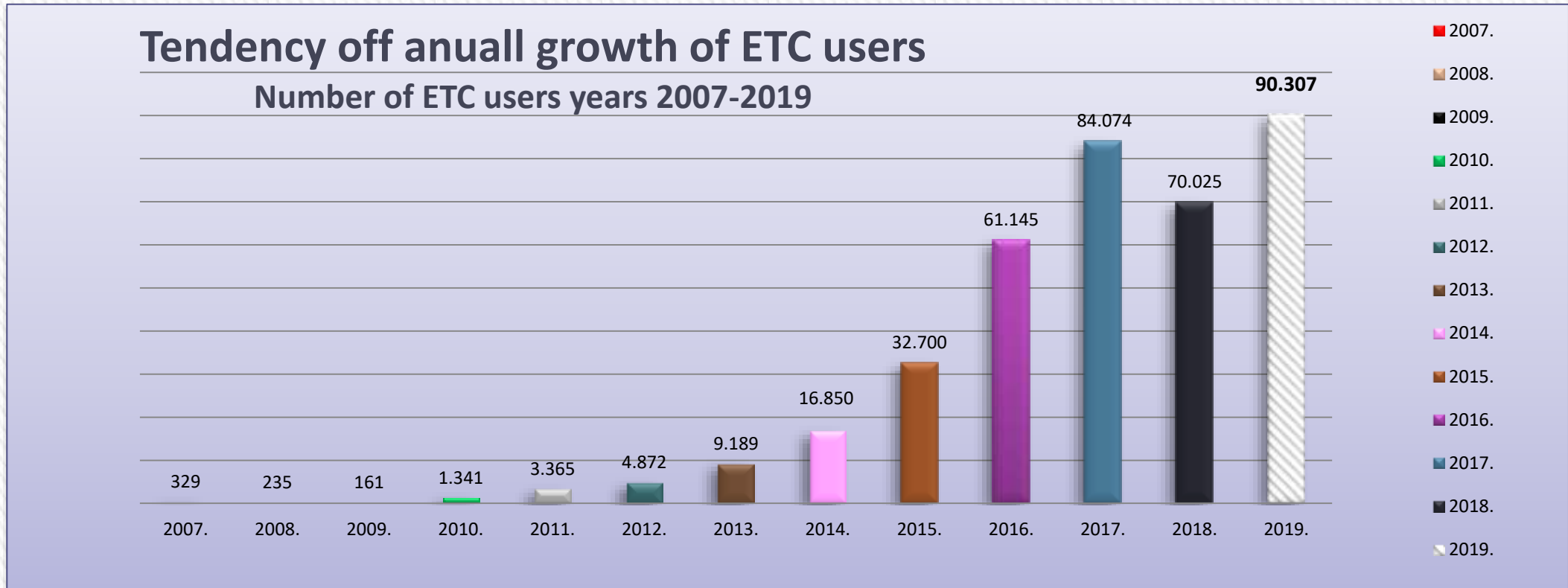
- ❑ 204 points-of-sale
- ❑ 4 points-of-sale of the PE „Roads of Serbia“
- ❑ Locations in all bigger cities in Serbia and along motorway sections
- ❑ Additional 300 points-of- sale are planned to be opened until 2027



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Since the usage of ETC devices enables users to pass through toll station without stopping, the perennial revenue growth generated from users who pay toll using this method is noticeable. A total of **374.593** users has been registered as ETC users in the period from **2007** to **2019**.



It has been recorded that ETC participation in a total revenue generated from toll collection was 48,93% in 2019, while in 2018 it was 45,51%. In 2019, ETC participation in a total number of transactions was 34,69%, while in 2018 this participation was 30,64%.

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- The cashless toll payment must be at least 50% of total toll revenues by recommendation of the European commission.
- The recommendation was respected in 2019. considering that the share of cashless payment was 56,69%

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presentation of the Road Toll System

Thank you!

