



ELECTRONIC VIGNETTE
REPUBLIC OF SLOVENIA

ELECTRONIC VIGNETTE



On 1 December 2021, the Republic of Slovenia launched an electronic vignette system replacing traditional motorway stickers after 13 years. SkyToll designed, built and commissioned a functioning electronic vignette system in the Republic of Slovenia in just 188 days.

The new system is one of the elements of digitalization of public administration, which increases user comfort. It brought digital form to the system – motorway stickers were replaced by vignettes in electronic form. One of the benefits for the national highway company is the new possibilities for the enforcement system, which already in the first three months of operation helped to identify significantly more offences. The digitalisation also eliminated the possibility of using counterfeit motorway stickers.

SkyToll, a.s. won the public tender for building and operation of an electronic vignette system for a period of 5 years, with the possibility of its extension for another 3 years. The contract was signed on 27 May 2021.

In the Republic of Slovenia, there is currently a toll network of 618 kilometres of motorways and expressways. Payment of tolls is mandatory for vehicles with a maximum weight of up to 3.5 tonnes, regardless of the maximum permissible weight of the trailer (hereinafter referred to as light vehicles) for the following toll classes for which electronic vignettes are available with various periods of validity:

- Class 1 toll – two-wheel vehicles – 1-year vignette, 6-month vignette and 7-day vignette,
- Class 2A toll – motor homes (regardless of front axle height) and four-wheel motor vehicles with a front axle height of up to 1.30 m – 1-year vignette, 1-month vignette and 7-day vignette and

- Class 2B toll – four-wheel motor vehicles with a front axle height of 1.30 m or more with a maximum permissible mass not exceeding 3,500 kg, with or without a trailer – 1-year vignette, 1-month vignette and 7-day vignette.

Every vehicle up to 3.5 tons must purchase an electronic vignette in the E-VINJETA system. The purchase can be made on the web portal www.evinjeta.dars.si or through various sales channels – a network of business partners and DARS's own sales network or the employee web portal. Drivers can acquire an electronic vignette at more than 2,200 points of sale, even outside the Republic of Slovenia.

In the initial phase SkyToll built a complete IT infrastructure, delivered and integrated a state-of-the-art software solution consisting of a central system and an electronic vignette sales system, providing comprehensive customer service processes, central electronic vignette data management processes and related support processes.

The system also included the development of a payment enforcement system based on automatic optical recognition of vehicle license plate numbers, integration of data between various records/registers and quick and easy resolution of detected discrepancies with regards to collection or payment of toll road charges. The enforcement of toll road charges is secured through portable monitoring devices, hand-held monitoring devices, mobile vehicle monitoring devices and stationary monitoring devices.



Through the method of Automatic Number Plate Recognition, the enforcement devices recognize the LPN, the country code and the use of artificial intelligence elements and the vehicle front mask recognition determines at least the following vehicle parameters: vehicle category, vehicle type, model and year of manufacture as well as vehicle colour. All identified data are then sent directly for processing and control to the back office workplace. In the event of an inconsistency being identified, such a vehicle is referred to DARS enforcement staff for resolution.

The delivery of the new system to Slovenia consisted of the following solutions and services:

- building, commissioning, operation and maintenance of highly available infrastructure located in 2 highly available data centres
- building, commissioning, IT operation and maintenance of the central system
- building, commissioning, IT operation and maintenance of the sales system
- building, commissioning, IT operation and maintenance of the enforcement system
- delivery of technologies for 20 control gantries
- design, implementation and installation of technological equipment for 33 mobile enforcement vehicles
- design, implementation and supply of technologies for 20 portable and 40 hand-held monitoring devices
- performing extensive system tests

- support of the operational organization after launch into live operation, at least to the extent of:
 - support for billing, payments and receivables processing, submissions;
 - support for the operation of the call centre providing information;
 - support for operation and maintenance of enforcement workstations and systems located in data centres;
 - support for technological maintenance in mobile enforcement vehicles.

“The introduction of the electronic vignette is one of the elements of the digitalisation of public administration. It brings new possibilities for the state in terms of the enforcement system, which has already significantly helped to detect a higher number of offences in the first three months since its launch. We are satisfied with the course and result of cooperation with SkyToll, a.s. Thanks to the introduction of the electronic vignette, the Republic of Slovenia has a cutting-edge, technologically advanced system.” confirmed Branka Videtič, the director of the toll collection department, DARS d.d.

Branka Videtič
The director of the toll collection department,
DARS d.d.



V. 2023

E-mail: info@skytoll.sk
Phone: +421 2 3260 7011

Lamačská cesta 3/B
841 04 Bratislava, Slovak Republic

www.skytoll.com