

# ASELTOLL

TOLL COLLECTION SYSTEMS

#Transportation



**aselsan**

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## TOLL COLLECTION SYSTEMS

ASELSAN has nearly 30 years of experience in Toll Collection Systems, which have been continuously developed during this time, have reached the following capacity:

- More than 20 Lane Based Toll Collection projects completed both in Türkiye and at abroad, Free Flow Toll Collection Systems in more than 50 stations
- Systems that operate 24/7 without interruption, deployed across a highway network exceeding 3,000 km
- More than 450 Million transactions per year
- More than 100,000 ANPR (automatic number plate recognition) cameras

aseiTOLL Toll Collection Systems are capable of adding new features and being adapted according to the user's needs:

- Automatic Number Plate Recognition system
- Online provisioning for electronic payment methods
- Integration with relevant Administrative Units

- 24 hours uninterrupted operation in heavy traffic
- Reliability and uniformity of data
- Reliable, Turn-Key Solutions Encompassing Design, Installation and Maintenance
- User-specific Automatic Vehicle Classification in international standards
- Vehicle Detection with Laser Curtain/ Lidars
- Integration of vehicle, tag, and license plate matching processes
- Automatic detection, reporting and event verification application of violations and class mismatches by the system
- Closed/open systems
- Toll Collection with DSRC/RFID Tags or with ANPR
- For Lane Based Toll Collections; additionally, possibility to pay electronically with DSRC Tags/Contactless Smart Cards or manually with Cash/Credit Card
- Integration with High Speed Weigh in Motion system
- Integration with Business ERP and Accounting Systems and Central Administrative Units



### aseiTOLL PLAZA

- Possibility to pay DSRC labels in compliance with CEN-278 DSRC European standards
- Payment with MIFARE PLUS contactless smart card in accordance with TS ISO/IEC 14443 standard
- Enforcement applications for manual processes
- For manual lanes, the capability to operate in open-barrier mode without the need for on-site operators
- Prevention of violations by foreign license plates
- Minimum rates for violations and maximum rates for fee collection
- Modern LAN/WAN structures from lane to core and core to core
- State-of-the-art, reliable, and field-proven software for toll lane and plaza operations
- 24 hours uninterrupted operation in heavy traffic



### aseiTOLL MLFF200

- Single Gantry Solution - System configuration with equipment and sensors installed on one gantry
- New type of lidar sensors with advanced features for vehicle detection and classification
- System design with the state of the art equipment on the road and in the center
- Toll collection with DSRC/RFID tags or with ANPR
- Compliance with CEN – 278 DSRC European standards or UHF RFID ISO 18000-6C standards
- High performance assurance at high speed
- More than 100,000 daily passes at a single station

Specifications are subject to change without any notice. | All tolerances are within  $\pm 10\%$ .