Prof. Dr. Igor Nedelkovski

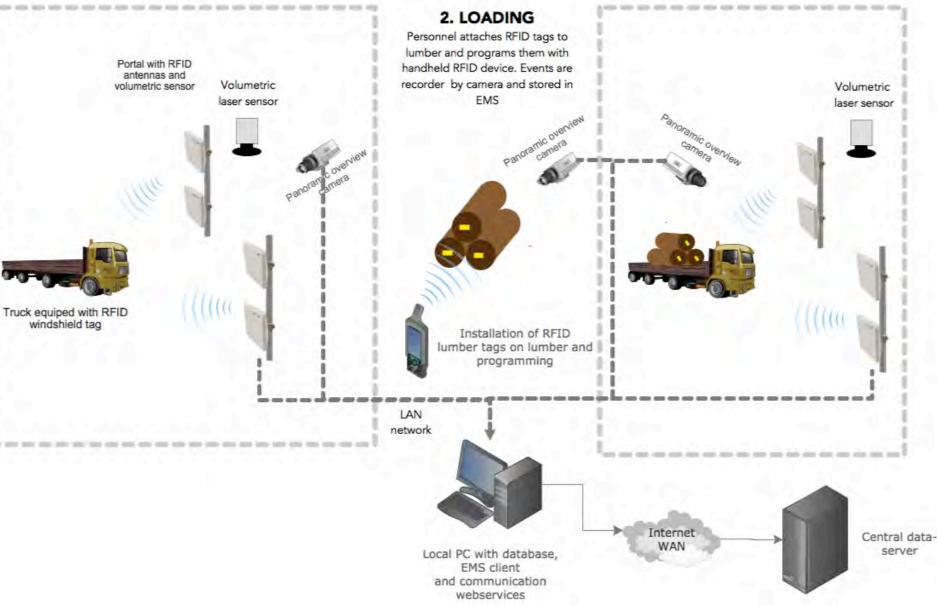
Professor at University St. Kliment Ohridski - Bitola President of Board of GAUSS Institute – Bitola

1. ENTRANCE

RFID antennas read windshield tag and measure the volume of empty vehicle. Panoramic camera takes a picture of the event and stores it in EMS database

3. EXIT (same portal as for entrance)

RFID antennas read windshield tag, lumber tags and measures the volume of full vehicle. Panoramic camera takes a picture of the event and stores it in EMS database





SOFTWARE





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Software allows connectivity of RFID readers over LAN, RFID handheld readers over WLAN or GPRS, volumetric sensors and IP cameras. Events generated by these devices are logged and automatically stored in the database. Software will allow evidence and management of all RFID vehicle tags and **RFID** lumber tags in the same framework and volumetric calculation of the load. Integrated alarm algorithms and reporting module allows efficient management of events. Automatic correlation of events with video-picture/footage allows very fast and efficient use of data.

RFID ANTENNA/READER

4 channel RFID reader + 4x Wireless IP67 RFID antenna placed on a steel poles on each side of the truck passage.



Handheld RFID reader/writer



RFID TAGS/READER

RFID Tag on windshield of trucks



RFID Lumber tag for lumber identification.



VOLUME DETERMINATION

Volumetric sensor



Full HD 1080p IR bullet CCTV IP camera







"What we are doing to the forests of the world is but a mirror reflection of what we are doing to ourselves and to one another." — Mahatma Gandhi

Study was prepared by: -

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with sincere help of Mrs. Violeta Jovevska, forest engineer at PE Macedonian Forests