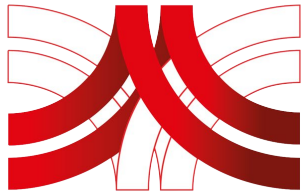


ASECAP DAYS



ISTANBUL 2023

Celebrating
50 YEARS
OF Successful
TOLL ROAD PROJECTS

LEVERAGING VIDEO TOLLING TO PRESERVE MOTORWAY ASSETS

Benoît ROSSI
emovis.com

Hosted by

ICA

YAVUZ SULTAN SELİM BRIDGE
AND
NORTHERN RING MOTORWAY



Video tolling is expanding

More and more tolled infrastructures are introducing video tolling

Rationale

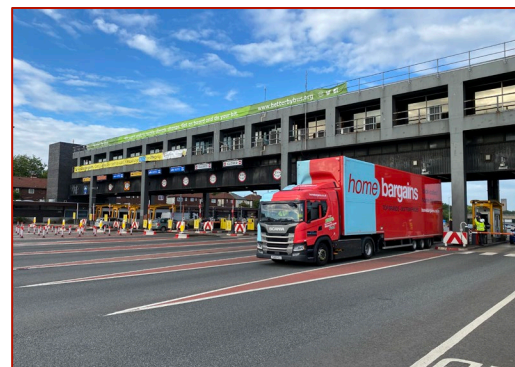
- To increase toll plaza throuput
- To switch from tags to « pay-by-plate »
- To prepare to full free-flow tolling (phased approach)
- To move directly 100% free-flow (no tag)



Video Tolling on A1 (Poland)



Sozina Toll Plaza (Montenegro)



Mersey Tunnel (UK)



Free-Flow (Qatar)

Free flow WIM

- Free-flow Weight-in-Mention (WIM) performances are improving
- Several countries have or are in the process of certifying WIMs coupling them with ANPR cameras for automatic enforcement

Rationale

- Protecting road assets
- Improving road safety: accidents caused by trucks are **3 times deadlier** than those caused by cars [in France]
- Ensuring fairer competition among Fleet Operators



Testing of WIM on A4 Highway (France)

Our Solution

Associating free-flow WIMs and video-tolling to preserve road assets and improve safety

Principles

- Rolling out free-flow WIM along carriageways
- Coupling these WIMs with ANPR cameras
- Linking LPN of overweighted vehicles to our Tolling Back Office
- Applying a Toll Surcharge (not a Fine)



Change misused payment

Plaza	RUSOCIN	Payment type	CASH	Collector ID	750001
Lane	RUS001	Trs date and time	03/12/2019 09:19:12	Name	PAWEL
Class	C3	Entered class	C3	Surname	KOSTECKI
Toll fare	29.9K	Detected class	C5	Route	RUSOCIN - SWAROZYN
Paid	29.9K	License plate	ERA91TL	Class update	C3
Entry plaza	SWAROZYN	Trs number	110100000109	Amount due gross	0.0K
Entry license plate	ERA91TL	Misuse type	Class 5 rej.	AVC details	F 03 00 03 00 00 01 01 01
		HSWIM station ID	E	HSWIM date and time	03/12/2019 06:13:12

Save Cancel

emovis tolling back office

Business case discussion

CAPEX investment to be balanced out by expected benefits

- Inducing better compliance and greater awareness among motorists
- Preserving road assets in the long run
- Improving road safety (i.e. fewer accidents caused by overweighted vehicles)
- Providing extra-revenues (to recoup investment)

Important aspects to be considered

- Certification of sensors
- Ability to apply a surcharge
- Compliance with GDPR



THANK YOU

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 **emovis**
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Thank you

