



IRU key messages on Greening road transport

European road hauliers' perspective on adapting to today's environmental challenges, and best practices for global application

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IRU: Who we are, what we do

IRU is the world's road transport organisation, bringing together bus, coach, taxi and truck operators to bring economic growth and prosperity through the sustainable mobility of people and goods



Founded in 1948
150+ members in
76 countries





IRU actions on environmental efficiency and sustainability

- Intermodal TIR
- Decarbonisation
- Digitilisation
- IRU 30 by 30 Resolution
- The Business case to invest
- Industry innovations
- IRU Academy
- The UN 2030 Agenda & the SDGs

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IRU decarbonisation key messages



- Requires an integrated approach
- Technology neutrality
- Life cycle analysis
- Focus on innovation, investments, incentives



Long haul	Potential 2030	Potential 2050	Comment	Cumulative reduction 2030	Cumulative reduction 2050
Powertrain efficiency (diesel)	10%	15%	Includes engine, transmission, auxiliaries, ...	10.0%	15.0%
Gas vehicles	2%	4%	Methane emissions should be minimised	11.8%	18.4%
Renewable fuels (gas & liquid)	2%	24%	IEA general target, large increase in 2nd generation biofuels needed; includes biogas	13.6%	38.2%
Driver training and ADAS	6%	8%	Includes ACC, PCC, ...	18.8%	43.2%
Reduced max. speed	2%	2%	To 80 km/h	20.4%	44.4%
ITS & communications	1%	4%	Platooning	21.2%	46.5%
Aerodynamics	6%	10%	Important contribution expected from trailers and semi-trailers, including solutions developed in the TRANSFORMERS Project	25.9%	51.3%
Tyres	7.5%	12.5%	Includes super singles	31.5%	57.4%
Lightweighting	0%	0%	Compensated by increased weight from other measures	31.5%	57.4%
Pavement	3%	3%	Improved rolling resistance (maintenance or new pavement)	33.5%	58.7%
Logistical efficiency improvements, including digitalisation, collaboration on reducing empty running & improve load factors	2%	10%	Rollout of coordinated system needed	34.8%	62.8%
More flexibility in weights and dimensions (including LHV)	3.5%	7.5%	LHVs permitted to carry out cross border transport within the EU	37.1%	65.6%
Hybridisation (2030)/ electrification (2050)	3%	37%	For 2050, most from full electrification	39.0%	78.2%

Savings from efficiency measures



Facilitating multimodal transit is a vital element of efficiency: **Intermodal TIR**

- Synchronized exchange of information within the logistics chain
- Heightens scalability
- Slovenia to Iran pilot saved 5 days
- TIR-EPD for advance cargo information
- Further optimises customs procedures
- Allows for better use of customs facilities and, port/rail terminals
- Simplified claims procedures: one liable person for all modes
- International guarantee chain

