

# STATE, DEVELOPMENT AND PERSPECTIVES OF USING LPG FOR MOTOR VEHICLES IN REPUBLIC OF SERBIA

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**ABSTRACT:** Lately, alternative fuels (liquefied petroleum gas-LPG, methane, biodiesel, hydrogen and others) are used as fuel sources. Special attention is given to LPG. Using LPG as a fuel source for motor vehicles in Serbia is gaining importance, especially when you take into consideration the safety of those motor vehicles. This paper shows current state, development possibilities and various perspectives for using LPG for motor vehicles in Republic of Serbia.

**KEY WORDS:** liquefied petroleum gas (LPG), consumption of LPG, motor vehicles, safety of motor vehicles that use LPG as fuel

## STANJE, RAZVOJ I PERSPECTIVE PRIMENE TNG-A KOD MOTORNIH VOZILA U SRBJI

**REZIME:** U poslednje vreme, alternativna goriva (tečni naftni gas - TNG, metan, biodizel, vodonik i drugi) se koriste kao pogonska goriva. Posebna pažnja posvećena je TNG. Primena TNG – a kao pogonskog goriva motornih vozila u Srbiji dobija na sve većem značaju, naročito kada se uzme u obzir bezbednost motornih vozila. U ovom radu prikazano je trenutno stanje, razvojne mogućnosti i različite perspektive za primenu TNG-a kod motornih vozila u Republici Srbiji.

**KLJUČNE REČI:** tečni naftni gas (TNG), potrošnja TNG-a, motorna vozila, bezbednost motornih vozila sa TNG kao pogonskim gorivom

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