World Energy Congress 2013
Future of transport: Decarbonizing growth

Natural gas and LNG: a part of the solution

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Transport energy by source and mode 2010
(Source: WEC Transport Scenarios 2050)
Total: 2,2 Gtoe
Global transport energy use by mode (Mtoe)

*(Source: IEA, Energy Technology Perspectives, 2010)*
Global CO2 emissions by sector in 2010
(Source: IEA)
Carbon print reduction in transportation

Comparison of energy density between transport fuels

Natural gas fuelling stations (number by region)
Emission performance targets for transport
(Source: NGV Global)
Natural gas vehicles growth worldwide
The main driver: SOx regulations

- **Global**
- **SECAs**
- **EU: Baltic & North sea, English Channel, US Coastal waters**

### SOx standards global and regional
(Source: Wartsila)

**NOTE:** today's average %S in HFO is 2.7
Potential shares of various bunker fuels in time

Source: IHS CERA
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