

busworld & IRU

Brief Insights on the Global Bus Market

8 Transformational Shifts in Passenger Mobility



Multi-modality Transit Buses, Urban Rail, and Taxis



Shared Mobility Intent to Check Expense and Beat Traffic



Mobility Integration Smartphone Enabled Seamless Commuting



Dedicated Road Lanes Preference for Shared Mobility Models



Last Mile Connectivity Route Flexibility in Public Transit Services



Leveraging Big Data Fleet Readiness and Meet Peak Hour Demand



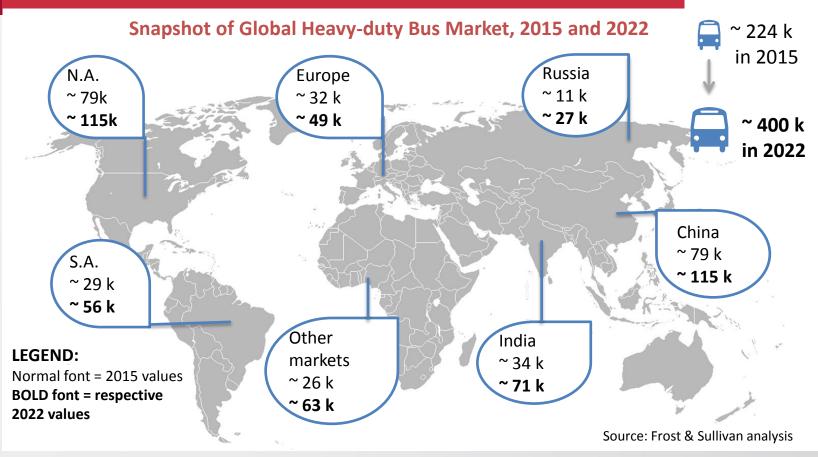
Electric Mobility Transit Buses to Pioneer Zero Emission Drive



Battery & Charging Tech OEMs entering new markets and partnerships



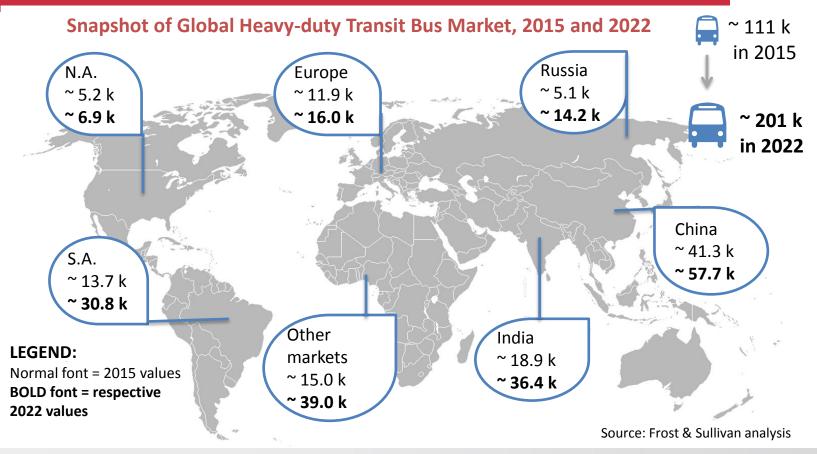
Global HD Bus Market – CAGR of 8.6%



HD Buses includes - Transit Buses, Coaches, Shuttle Buses, and School Buses more than 9m in length and more than 8T GVWR

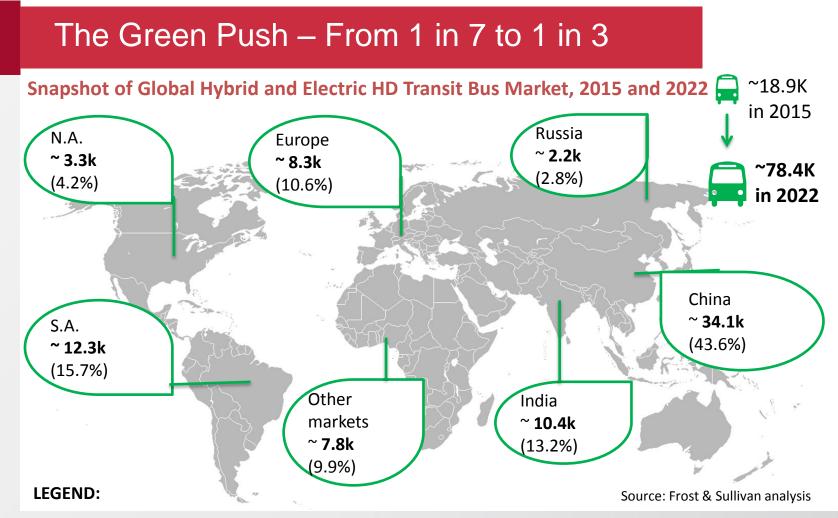


Global HD Transit Bus Market – CAGR of 8.4%



Transit Buses includes – City/Urban Buses more than 9m in length and more than 8T GVWR

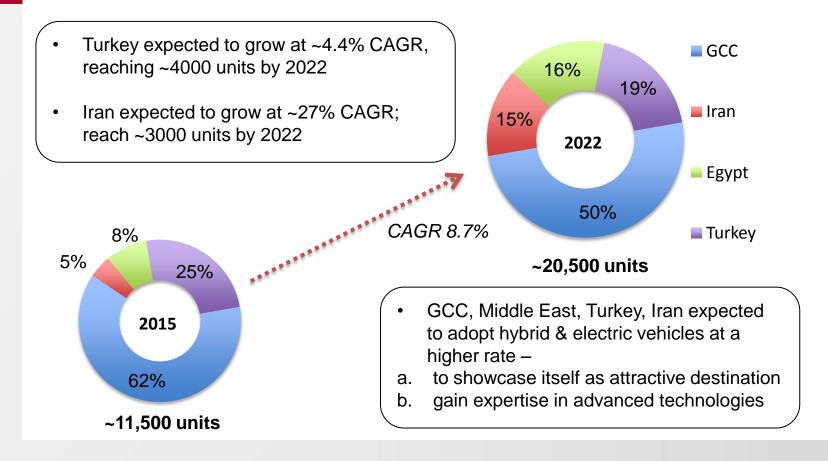




% denotes the respective region's forecast share of new energy buses in total global HD transit bus sales in 2022.

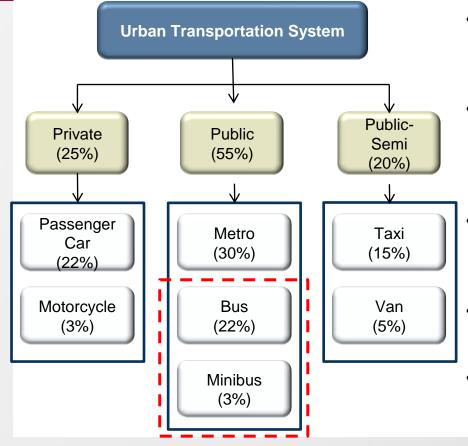


Middle East Region Poised for Strong Growth





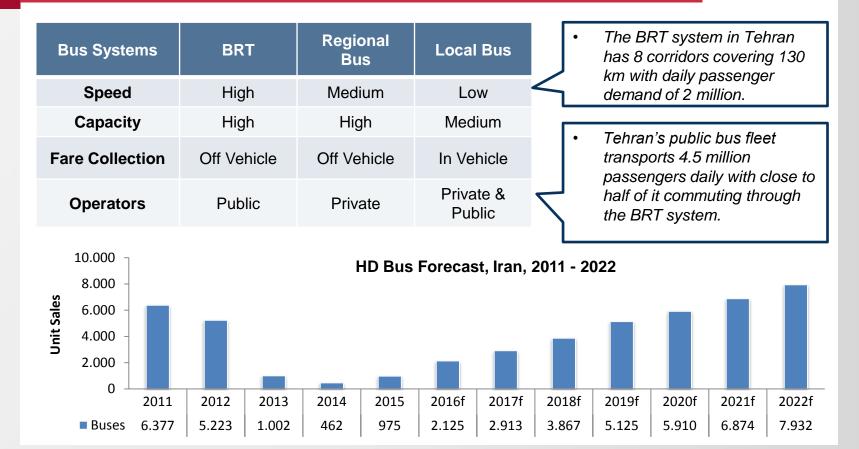
Case Study: Urban Transport in Tehran (1/2)



- Iranian economy expected to grow annually at a rate of 4% - 6% from 2016 to up until 2022
- Will be reflected in the commercial vehicle industry through high growth rates, return to the stable growth levels by 2020
- Emission regulation upgrades in 2017 and 2020 will spurt on demand in 2016 and 2019
- Iran's public bus fleet needs 17,000 new vehicles
- Tehran's bus fleet currently has 6,500 vehicles, 40% of which needs to be replaced.



Case Study: Urban Transport in Tehran (2/2)



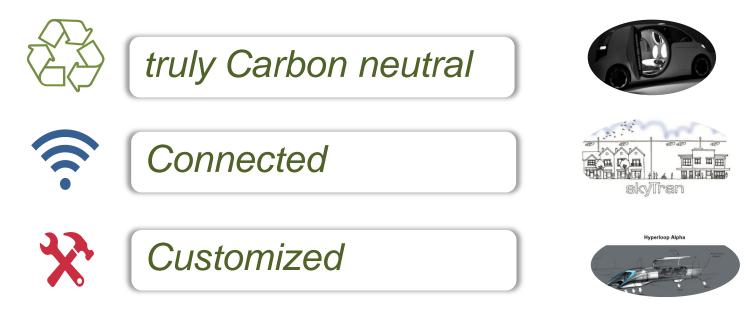


Key Predictions

- Middle East, South Asia, Africa emerge as key growth regions for transit bus market for the period up to 2022. With 29% of total share, China will remain as the biggest market in 2022.
- Alternate energy powertrains, both hybrid/ electric and natural gas expected to gain market adoption. Russian OEMs' expertise with natural gas powertrains will play a major role in technology uptake, especially in the Eastern European markets.
- Significant opportunities exist for Turkish bus manufacturers to grow market presence in Middle East, Africa, Eastern Europe markets. OEMs in these markets will increasingly face competition from Turkish, Indian, Chinese manufacturers.
- Iran and Egypt expected to emerge as hubs in Middle East. That said, Iran's policies expected to adequately safeguard domestic players from the surge in foreign competition.



Future of collective mobility – Scenario 2035?



"Walking is the only form of transportation in which a man proceeds erect - like a man - on his own legs, under his own power. There is immense satisfaction in that."

Edward Abbey, Postcards from Ed: Dispatches and Salvos from an American Iconoclast



Thank you for your attention

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