Public charging infrastructure deployment strategies and business models

GEF funded Global E-mobility Programme

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LATAM National E- Mobility Strategies

Strategies				
Minimum energy efficiency standards for private vehicles	x	x	x	x
Regulation on electricity tariff and infrastructure for vehicle charging	x	x	x	x
Financial support mechanisms for electric vehicle technologies and their charging infrastructure		x	x	x
Incentives to stimulate purchase and use	x	x	x	
Electromobility Comunication Strategy	x	x	x	x
Optimize energy infrastructure	x		x	
Tax incentives for companies dedicated to the development and construction of charging stations		x	x	x
Seek innovation in energy generation			x	x
Meet climate change and air quality goals at levels recommended by the WHO			x	
Generate measures that discourage the use of internal combustion vehicles		x		
Define public, residential and commercial charging points strategically	x	x	x	x
Incentive training of specialized technicians and professionals	x			
Development public transport electrification	x	x	x	x
Network installation for charging points	x	x	x	x

Source: Mateo González C & Francisco Cabeza S. National Strategies Information, 2022.

Smart Strategies to Accelerate Public Charging Infrastructure in low- and medium- income economies

PUBLIC POLICY

Any place with public parking must have a % of EV parking

New construction developments should consider parking for electric vehicles with energy considerations

All public charging infrastructure should be reported to the energy secretariat

All public charging should be smart (monitoring) & universal.

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INFRASTRUCTURE

Heat map: Public Transport Routes & Electrical substations (Network Capacity)

Public network must favor the type (SAE,IEC,GB/T) that works better with the national infrastructure network (110V,220V, 380V, 440V, 480V | 50Hz, 60Hz)

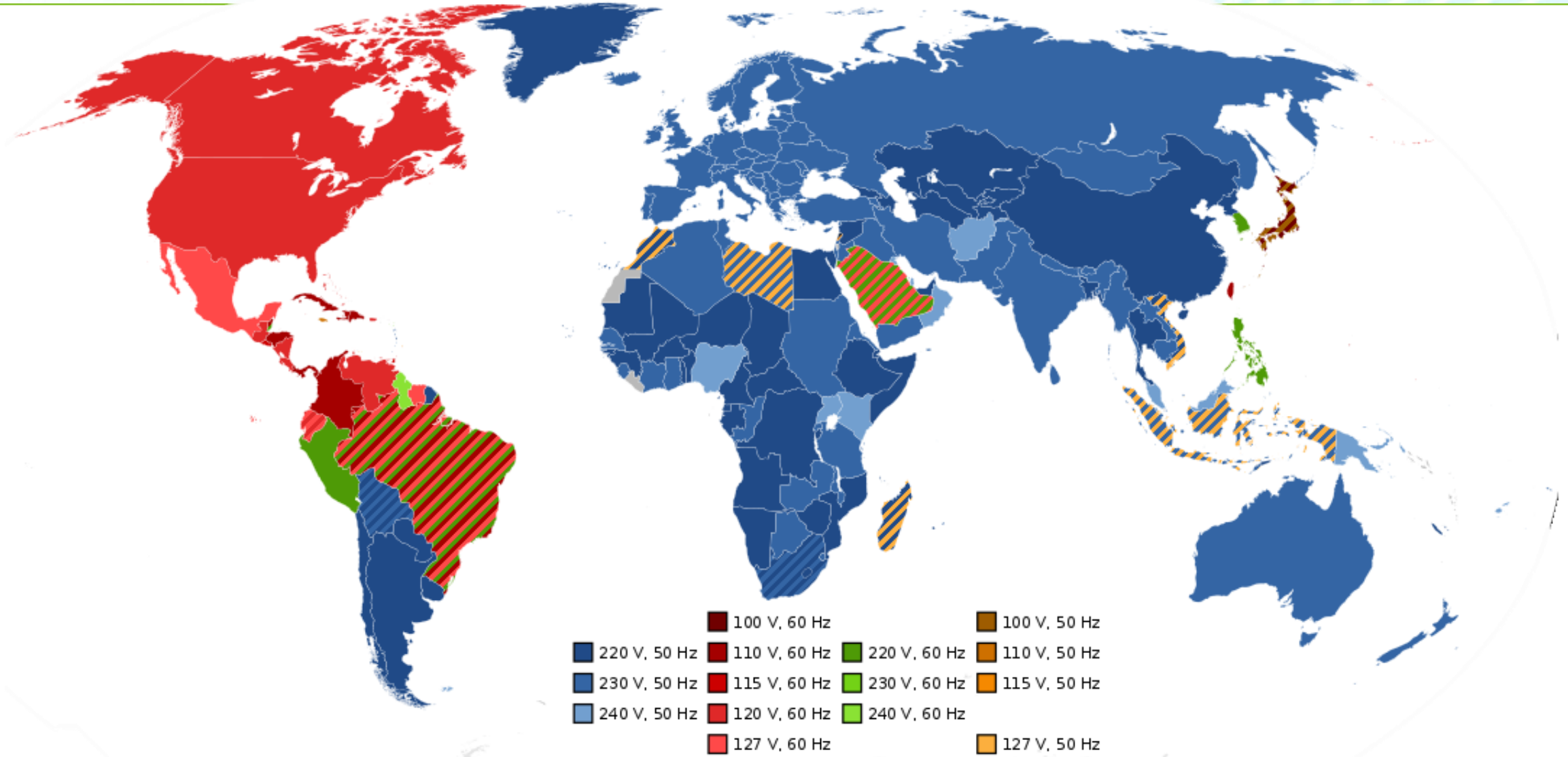
Alliances: automotive, private sector, utilities and government

The use of installed capacity is a must. Smart charging reduces 30% energy cost

Highway network is a challenge: Network Capacity, Safety issues, incipient market

Appendix

Infrastructure Network



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