



Autonomous Hydrogen Based Grid Independent



EV Charging

KEEP RUNNING.
NO MATTER WHAT.™

Current Energy Production - ISRAEL

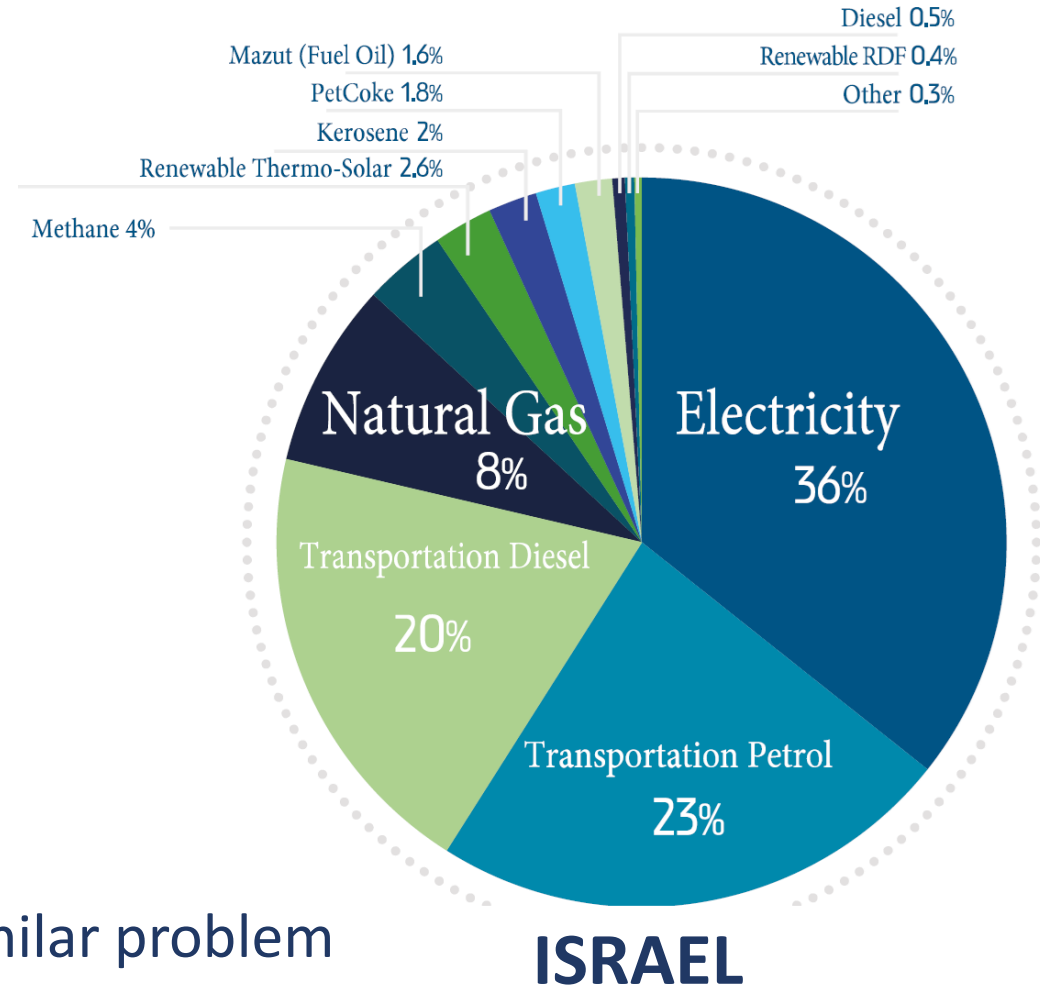
Grid Produced Electricity is 36% of Annual Israeli Energy Market:

55 TWh

Fossil Fuels for Transportation is 44% of Annual Israeli Energy Market:

70 TWh

Israel is just an example and other countries have a similar problem



The Current EV Charging Status

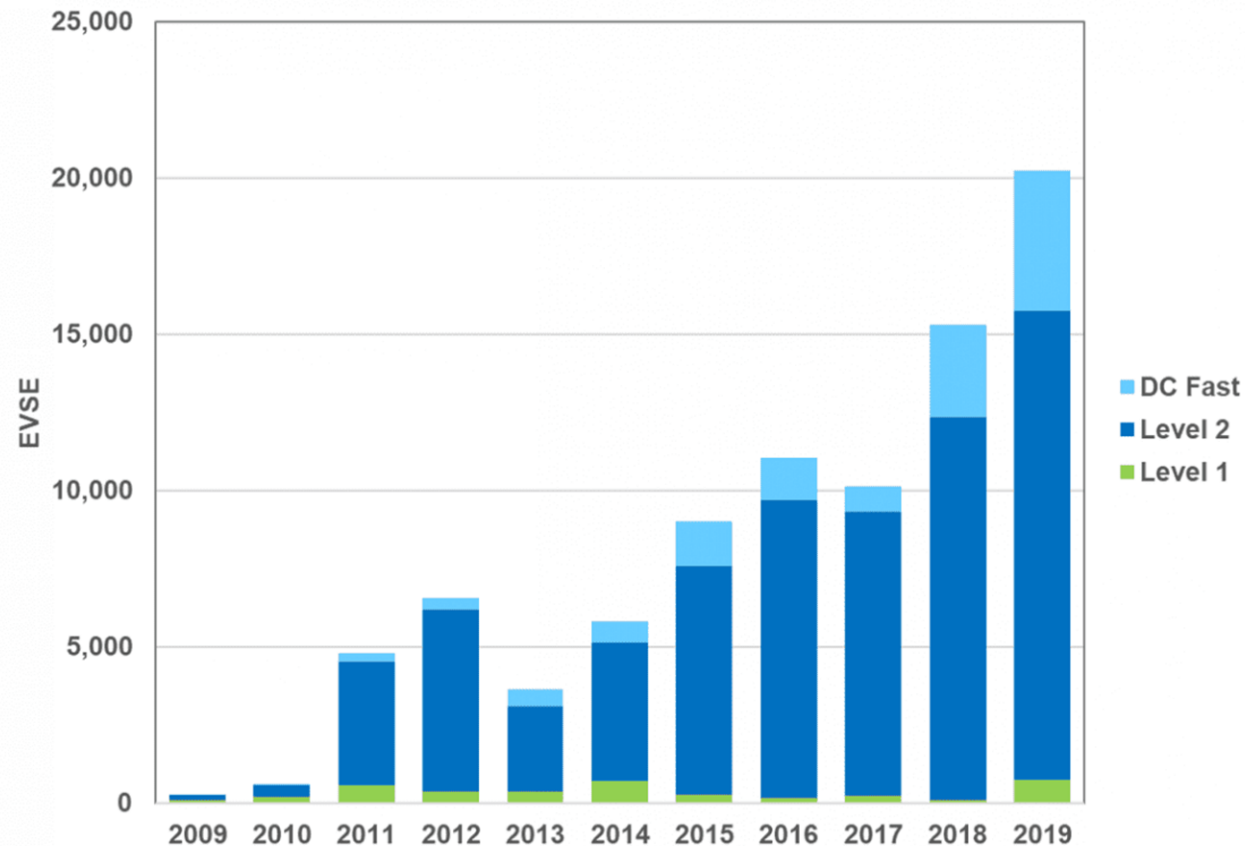


Need for EV
Charging



Fossil Fuel for
Transportation

New EV Charging Outlet Installations by Type, 2009-2019



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The Problem:

Electricity Shortage and Incapacity to Charge EV's

THE SOLUTION

Autonomous EV Charging
Off-Grid Electricity
Based on Hydrogen and Ammonia



Our Solution

GenCell and EV Pure Energy have the answer for the exponential need for EV charging system:



OUR Partnership

THE JERUSALEM POST

CORONAVIRUS ISRAELI NEWS WORLD NEWS MIDDLE EAST BUSINESS & INNOVATION

GenCell, EV Motors to work on off-grid charging

The project will provide demonstration sites that are expected to attract interest from e-mobility companies worldwide.

By JERUSALEM POST STAFF Published: NOVEMBER 17, 2021 21:26



 **GENCELL**

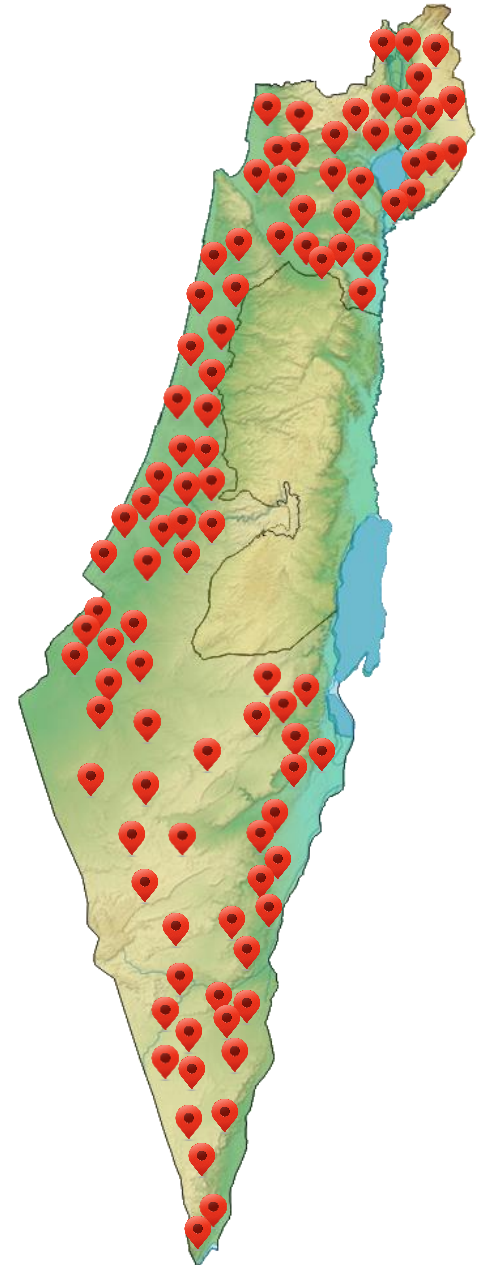

EV MOTORS



Hydrogen Consumption

No of Systems	Hydrogen Consumption per Day (kg)	Hydrogen Consumption per Month (kg)	Hydrogen Consumption per Year (Ton)
10 Systems	13	400	4.8 ton
50 Systems	65	2,000	24 ton
100 Systems	130	4,000	48 ton
500 Systems	650	20,000	240 ton

The system placement is versatile and will change based on need.



Charging Time -> Extend Range

Rated Power (KW)	Supply Type	Distance Gained (KM)					
		5 min charge	15 min charge	30 min charge	1 hour charge	1.5 hour charge	2 hour charge
11	AC - 3 phase	5.5	16.5	33	66	99	132
22	AC - 3 phase	11	33	66	132	198	264
43	AC - 3 phase	21.5	64.5	129	258	387	
50	DC	25	75	150	300		
120	DC	60	180	360			
180	DC	90	270				

*Assumption: 1 kWh = 6 km

Charging Everywhere -> Extend Sales



- Designated EV charging complexes in high-demand areas.
- EV charging services, as well as restaurants, convenience shops, auto-cleaning facilities and more.
- Retail clients automatically can offer preferred charging, free charging, gifts and lower costs at convenience shops, access to VIP services such as designated meeting rooms and more.



Insights and Vision

- Grid Independent Solution At Any Location
- Fast Deployment
- Reliable and Stable
- Renewable and Environmental
- Cost Effective
- High Serviceability
- Full Integrations with in-car systems
- Sustainable Hybrid Solution (Wind/PV plus Green Hydrogen/Green Ammonia)

 **GENCELL**


EV MOTORS

 POWERED BY
HYDROGEN

**FAST GREEN
OFF GRID CHARGING**

