

THE FUTURE OF ENERGY

Global energy demand **DOUBLES**

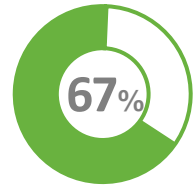
by  **2030**¹

80% **DECARBONIZE**
Reduction by **2050**²

RENEWABLE
WORLDWIDE ENERGY ADDITIONS



700 gigawatts by **2022**³



Key Market Drivers

1. Electric vehicles
2. Prosumers
3. Peer to peer energy sharing
4. Grid parity
5. Storage, microgrids & nanogrids
6. Blockchain

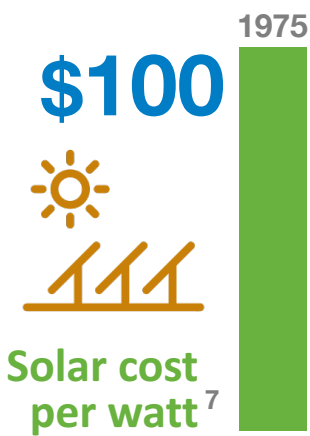
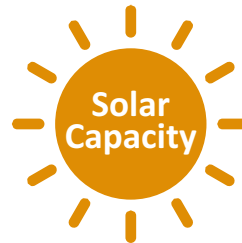
Distributed PV⁴

100kw or less

17 gigawatts by **2023**⁵

 **DOUBLING** every **2½** years since **2009**

450 gigawatts Addressable Market⁶

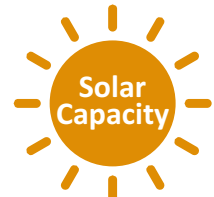


\$0.024 per kWh⁸

Middle East solar power sold into the wholesale market



65 gigawatts added in **2017**⁹



¹ World Energy Council
² International Energy Agency
³ Ibid.
⁴ Photovoltaic
⁵ Global Market Insights
⁶ Morgan Stanley
⁷ Earth Policy Institute
⁸ PV Magazine
⁹ PV Market Alliance