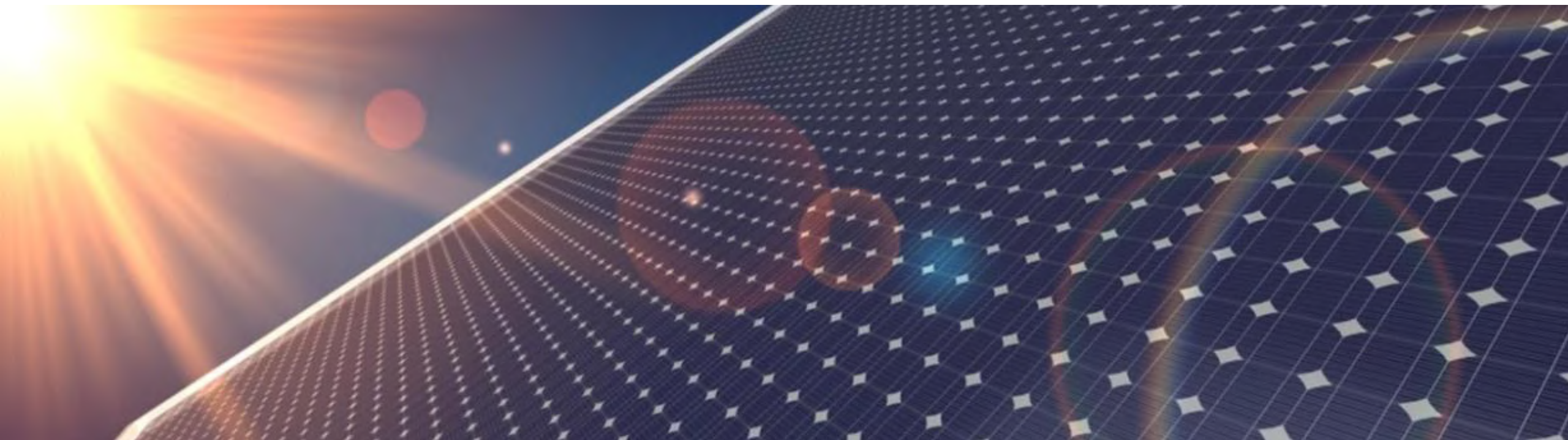




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SOLAR RESOURCE MAP

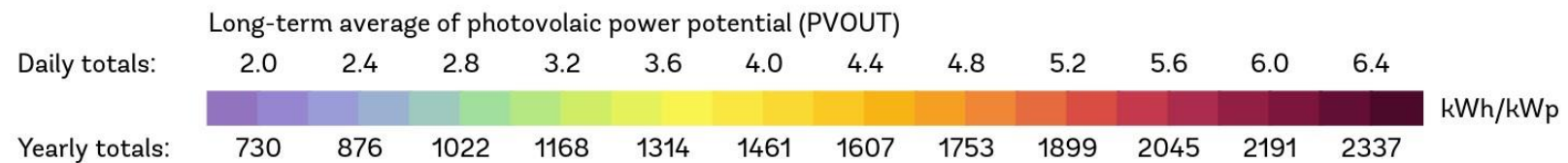
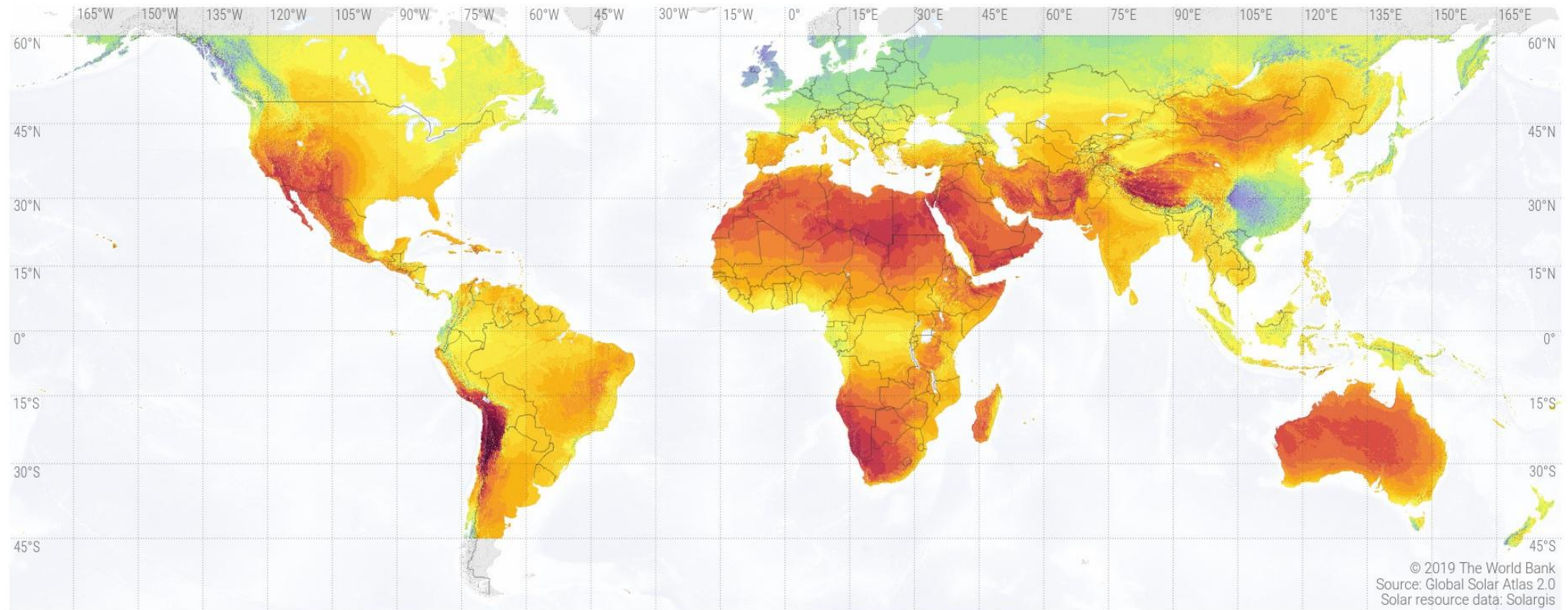
PHOTOVOLTAIC POWER POTENTIAL



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Potential of Solar Power in Thailand

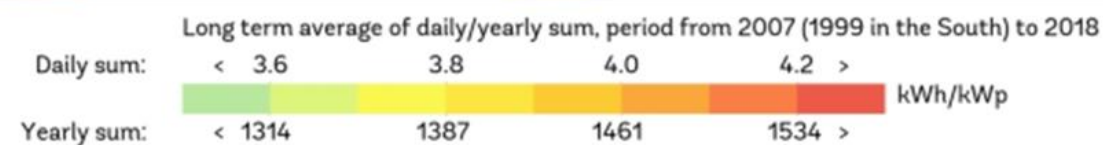
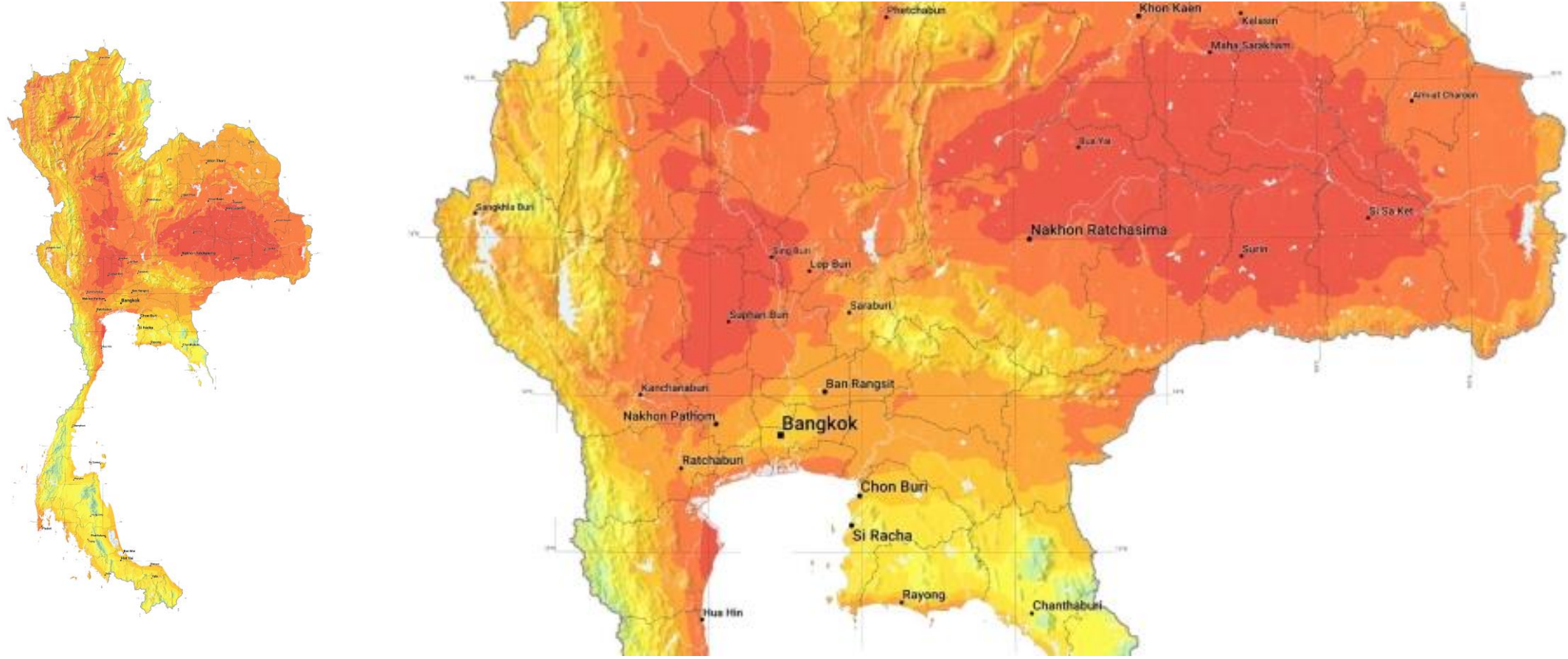
SOLAR RESOURCE MAP
PHOTOVOLTAIC
POWER
POTENTIAL
THAILAND



DESCRIPTION
This solar resource map provides a summary of estimated solar potential (PV power generation potential) in Thailand. The map is based on a long-term average of daily/annual solar radiation data from 2007 (1999 in the South) to 2018. The map is based on a long-term average of daily/annual solar radiation data from 2007 (1999 in the South) to 2018. The map is based on a long-term average of daily/annual solar radiation data from 2007 (1999 in the South) to 2018.

ABOUT
The World Bank Group has published this solar resource map as part of the Energy Sector Management Assistance Program (ESMAP) under a grant from the Government of Thailand. The map is based on a long-term average of daily/annual solar radiation data from 2007 (1999 in the South) to 2018. The map is based on a long-term average of daily/annual solar radiation data from 2007 (1999 in the South) to 2018.

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Solar Farm



Solar Rooftop



Solar Floating

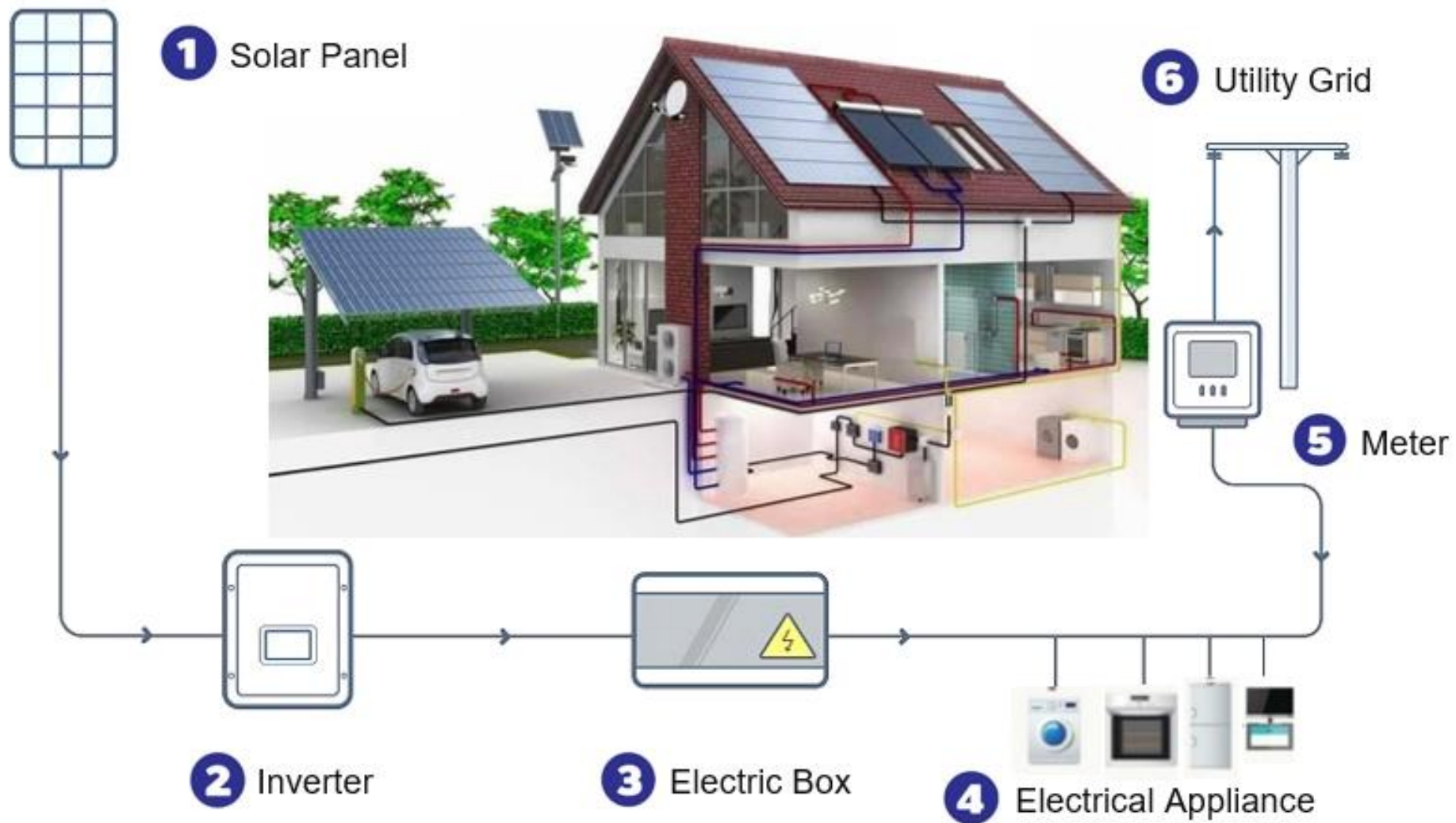




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Is installing a solar system worth it now?

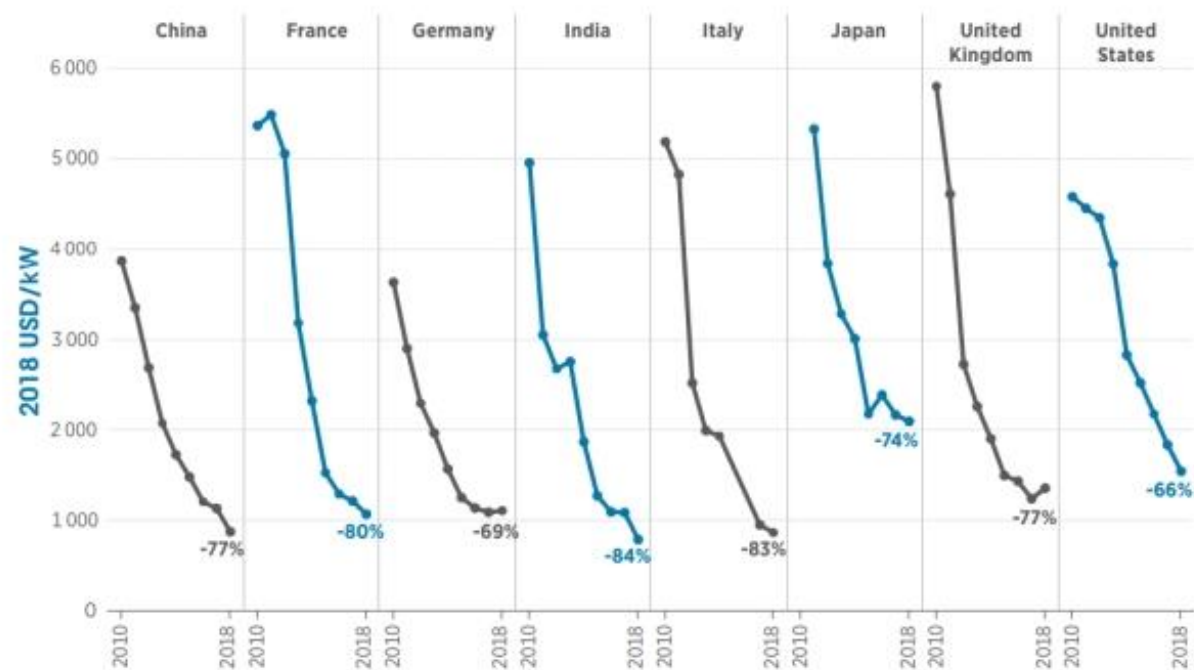




PRODUCTION COST

PV Installation Costs Trend

Figure 11: Total installed cost of utility-scale solar PV, selected countries, 2010-18



Source: IRENA (2019f).

Decrease about 8 – 10%/ Year

The value of energy saving cost more than PV installation cost decreased

Example Project 1,000 kWp

2021 : Project 20 M. THB

Energy saving 5 M. THB

2022 : Project cost 18 M. THB (-10%)

Save project cost 2 M. THB
Return is 2 years late

Future of Solar Energy



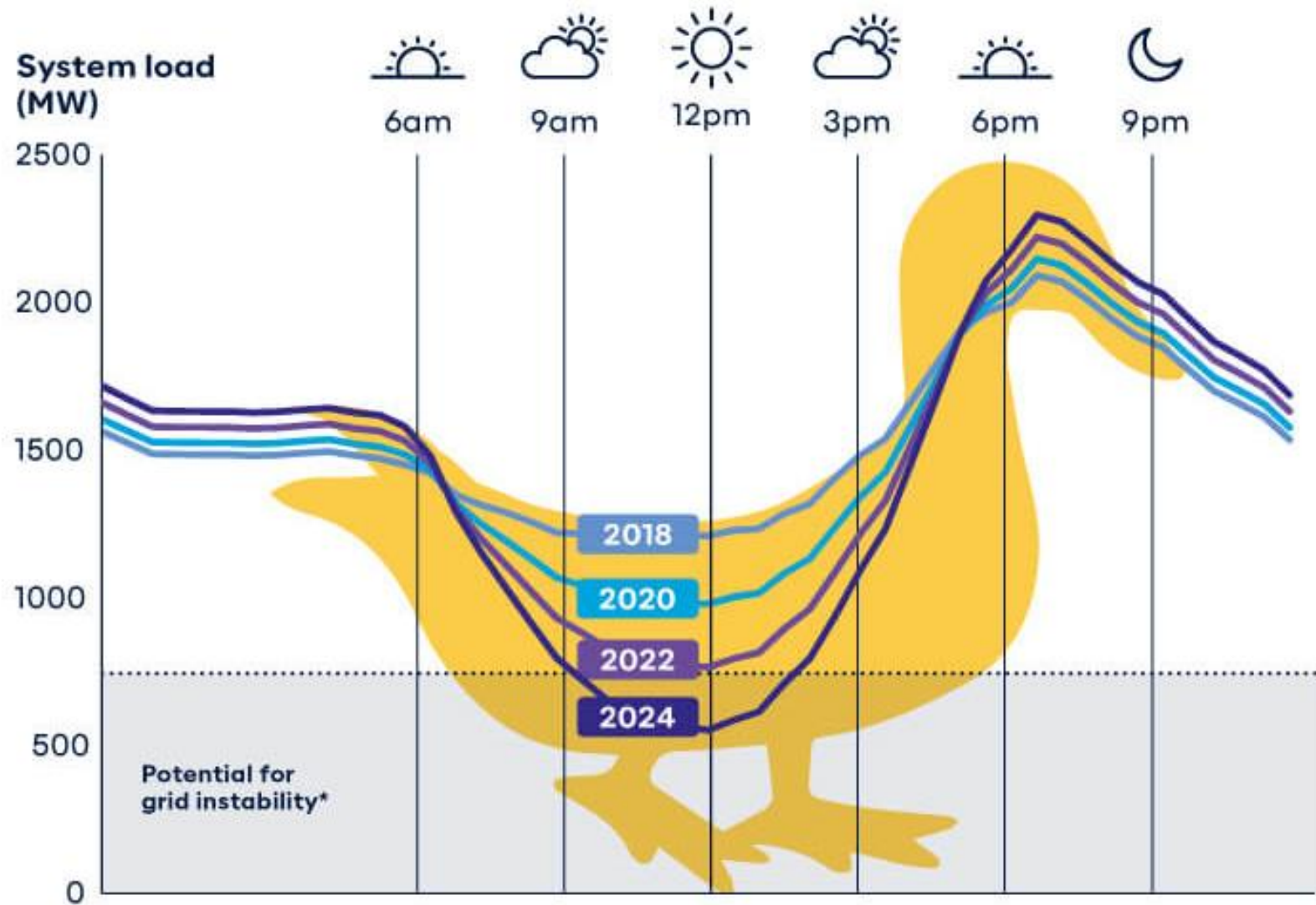


**POLLUTING ENERGY
FINITE SOURCES**



**CLEAN ENERGY
RENEWABLE SOURCES**

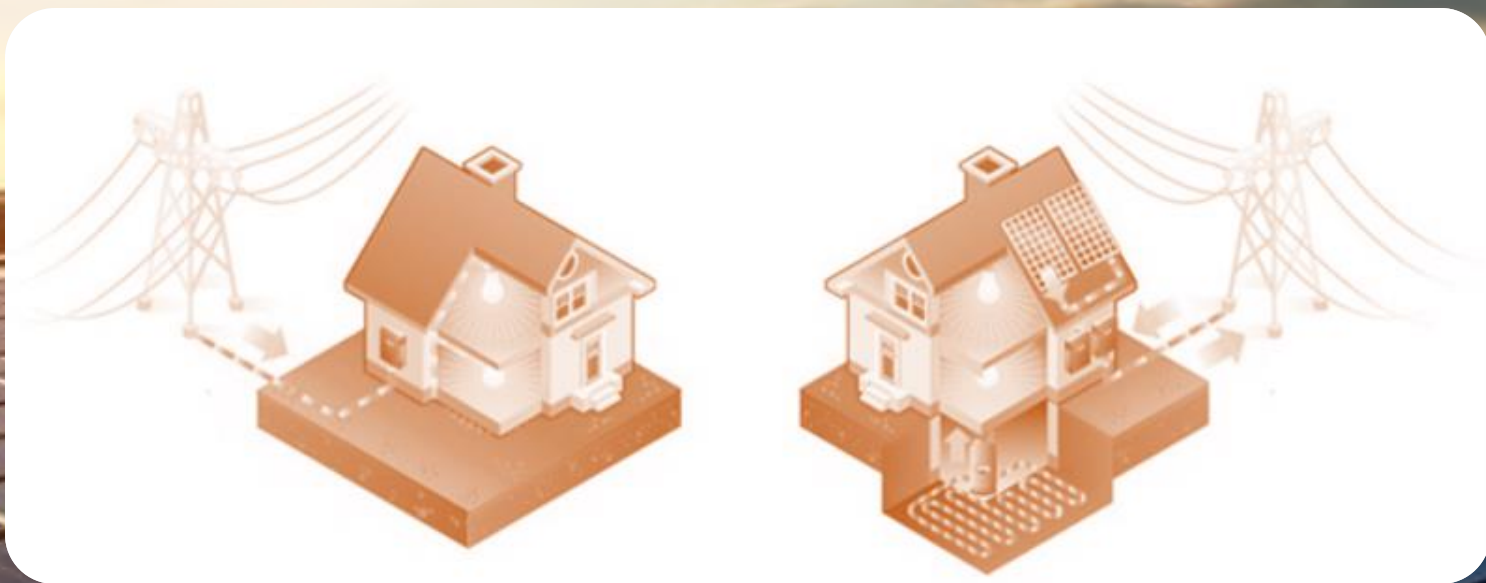
Solar Power Duck Curve



Energy Trading



 Eskom Distribution



Consumer → Prosumer





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