



# Impulse Presentation: Status of the energy transition in MENA

*11<sup>th</sup> Dii Desert Energy Leadership Summit  
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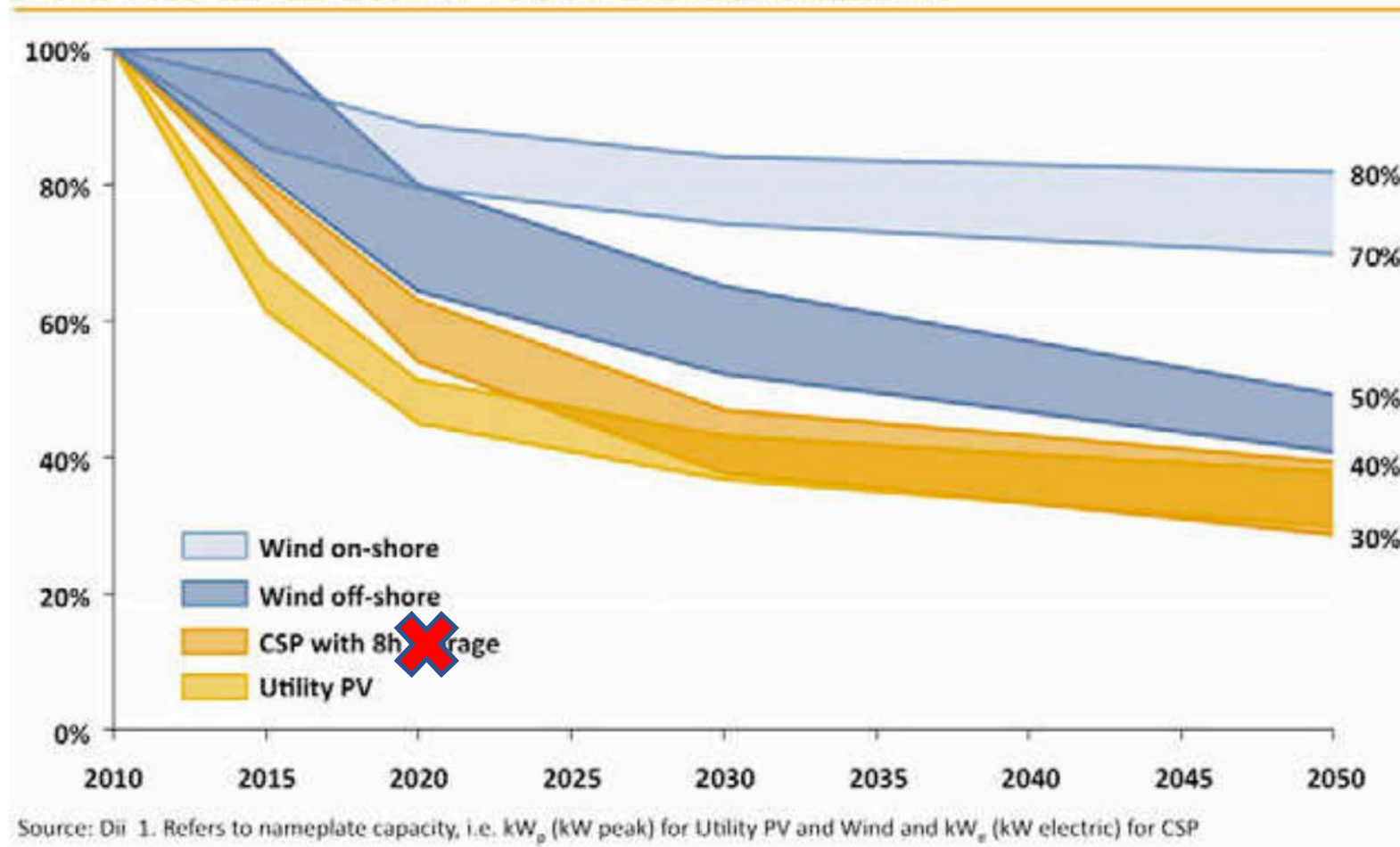
# Where do we come from, since Dii was launched in 2009?

## From a bit of marketing to one of the centers of the energy transition

- From almost no installed capacity, the MENA region hosts among the largest solar and wind parks globally, today!
- Most of these developments have been achieved over the last five years, mainly driven by economic factors
- Due to world class solar and wind resources (and others like free land, low/no tax), the MENA region has lead the lowest prices for both wind and solar globally
- Even though, all countries have more or less ambitious plans for the energy transition, execution is mixed

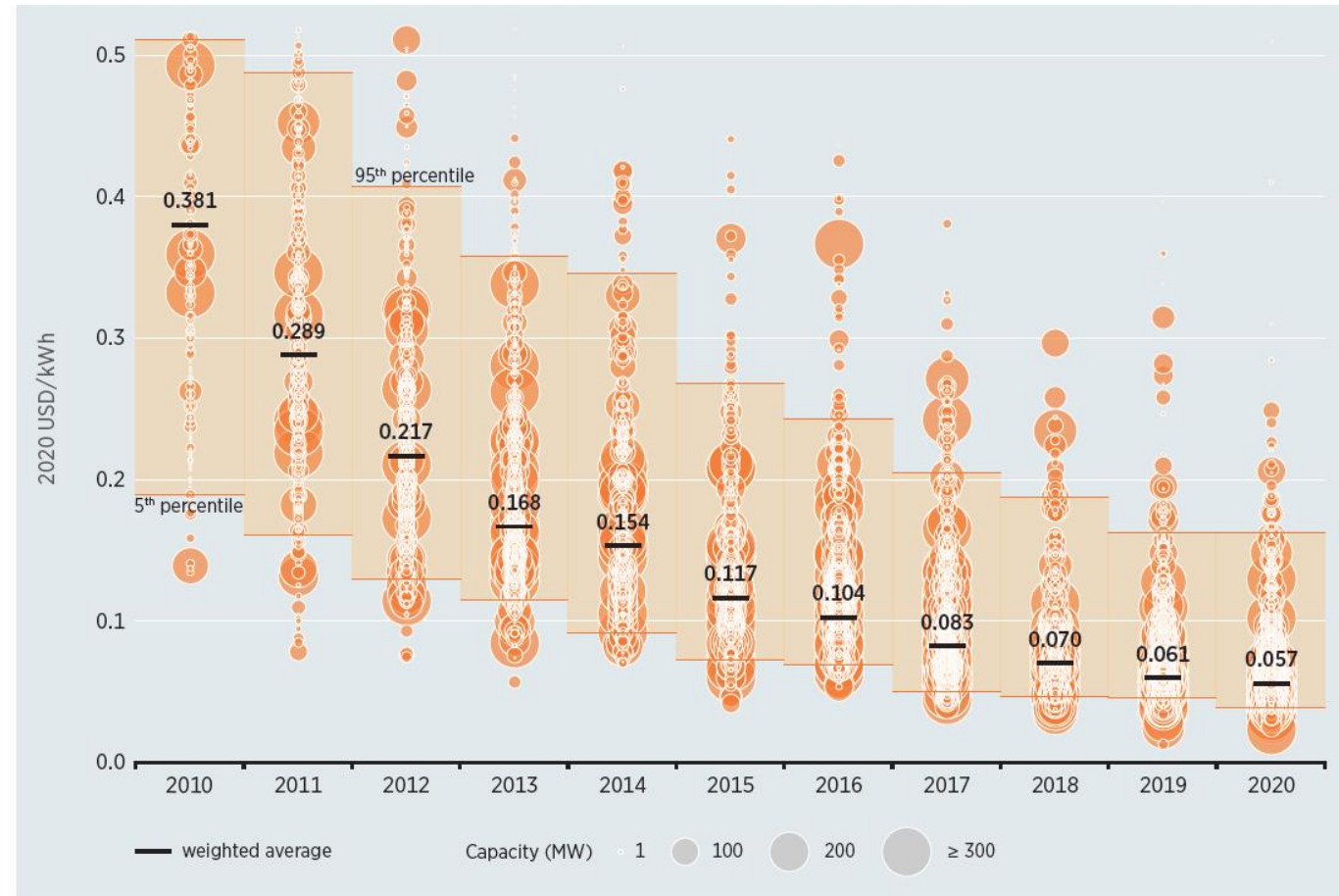
# Long term estimates for Desert Power 2050: Optimistic scenario in 2050 overachieved in 2020!

System cost development per kW<sup>1</sup> in percent of 2010 cost estimate



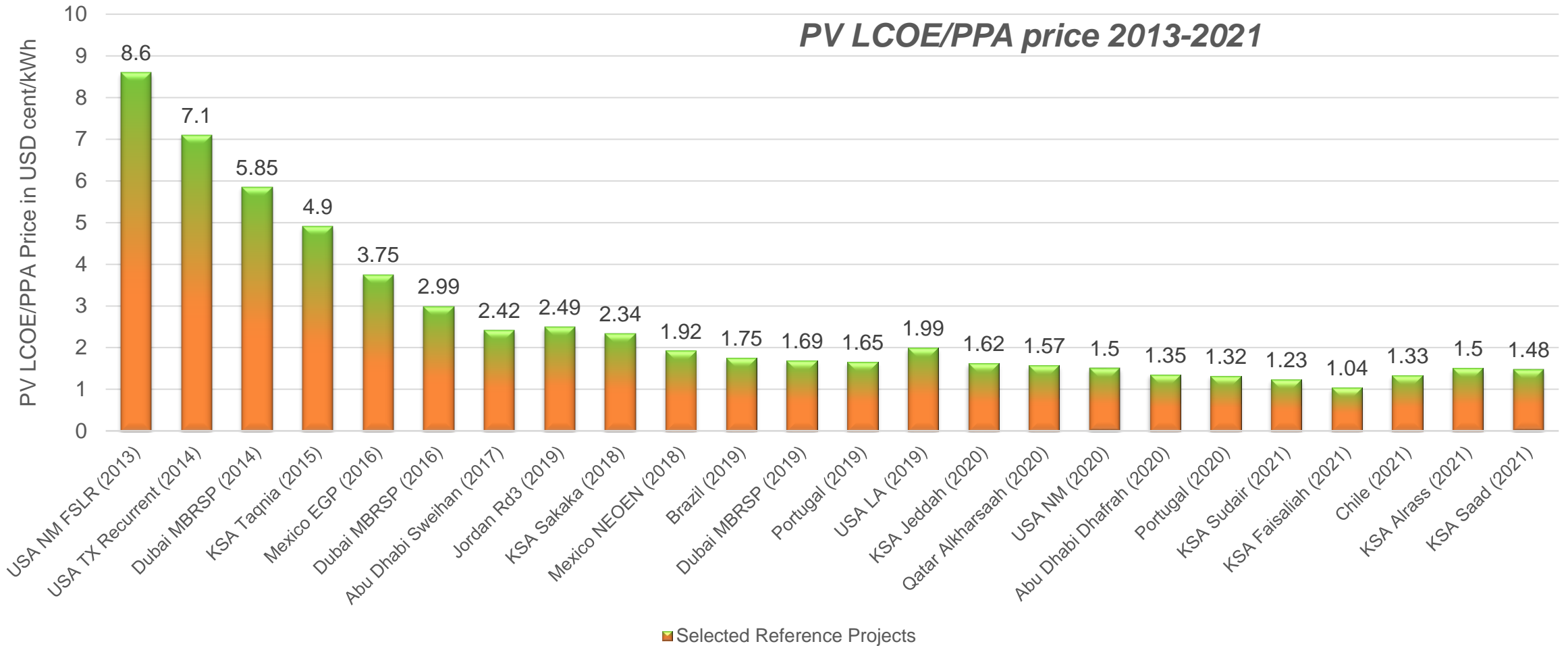
# And where we ended up in 2020!

The global weighted-average LCoE of utility-scale PV plants **declined by 85% between 2010 and 2020**, from USD 0.381/kWh to USD 0.057/kWh

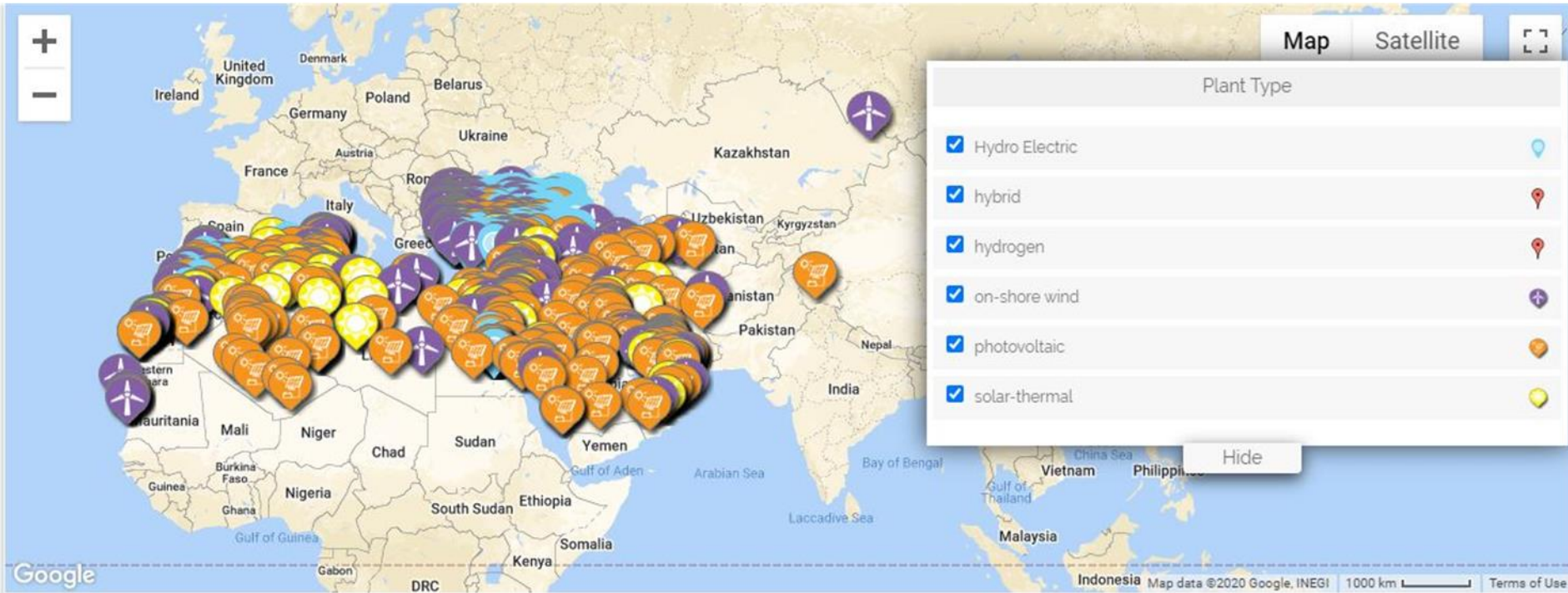


Source: IRENA Renewable Cost Database

# 1-2 cents solar PV, 2-3 cents wind. A game changer



# Dii Identified over 1,250 Renewables Projects (Dii Project Database >5 MW)



- The Project Database MENA keeps growing and looks at future hydrogen development
- It includes: project capacities, country, description, status
- For Associated Partners; Lead and Strategic Partners in the Partners' Area on Dii website









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# What to expect in the 2020's: A Decade of Disruption

- Temporary setback on higher PV prices does not change the broad picture. Learning curve will continue with exponentially growing capacity
- Final phase out of fossil fuel subsidies!  
And carbon (+ emissions) will need to have a price, also in MENA
- Execution roadmaps for net zero. Towards a market model in MENA
- Green molecules as accelerator of the energy transition (storage, large scale transport, de-fossilize ALL sectors)
- Increased risk of stranded assets
- Nowhere to hide: scrutiny for the entire value chain on emissions
- A revolution in the financial sector! Risks of even more volatility to come

# Immense socio-economical benefits can be harnessed from 'an energy transition economy' for the region

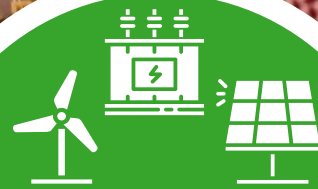
**Economic development & diversification**



**Job creation with increased qualification**



**Green electrons & molecules**



**Fostered innovation activities**



**Lower emissions**





Dii

Thank you for  
**your attention!**

