



**LOGISTICS OF  
THE ENERGY  
REVOLUTION**

THE FUTURE OF  
THE ENERGY  
SUPPLY CHAIN



**POWERING  
OUR WORLD,  
TOGETHER**

DELIVERING EXCELLENCE  
TO THE ENERGY SECTOR

**DHL Energy Regional Conference Europe 2022**

# **The Solar Revolution**

**Ann Davies**  
**Group COO**  
**Lightsource bp**



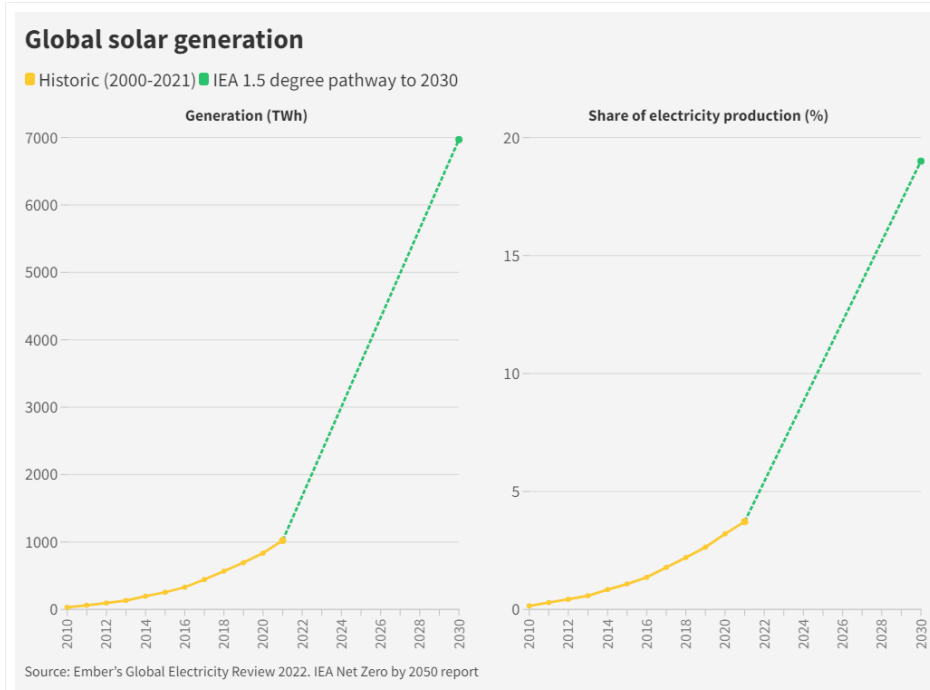
# The Solar Revolution

DHL Energy Revolution Conference, October 2022  
Ann Davies – Group COO Lightsource bp



# Solar Power at an inflection point

## The challenge ahead



- Achieving this growth needs an immediate change of pace
- Lightsource bp is attempting this with its own goals
- We understand the challenges the entire sector now needs to take on

# Lightsource bp: An introduction

A global utility-scale solar company scaling up for the challenge

## Lightsource bp today

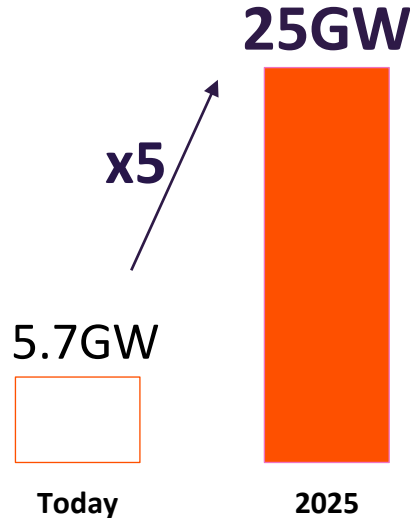
 **£3.3bn**  
Raised 2021

 **20**  
Countries

 **+900**  
Team members

 **55GW**  
Opportunity pipeline

## Lightsource bp by 2025

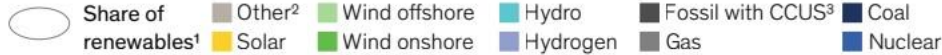


## How we do it

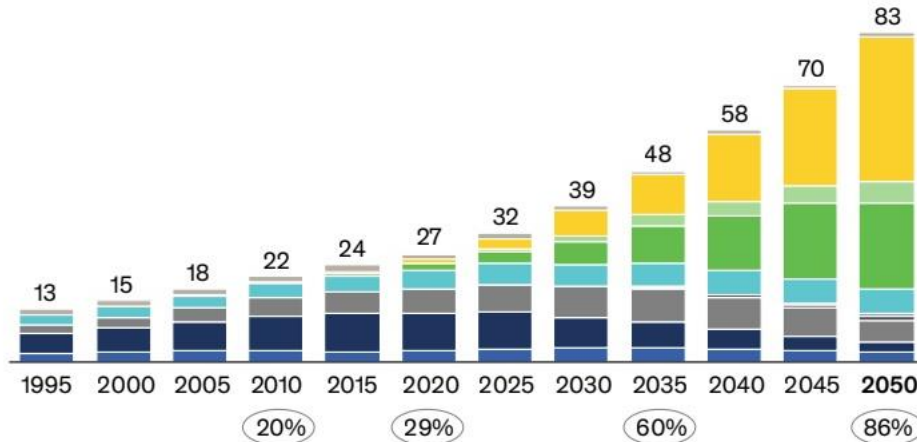
- End to end utility-scale solar company
- 50:50 JV with bp, we are their global solar engine
- We're fast approaching 20 active markets now, up from five in 2018
- In a hard to predict sector, solar is a certainty

# 2050: The forecast for power generation

Further Acceleration



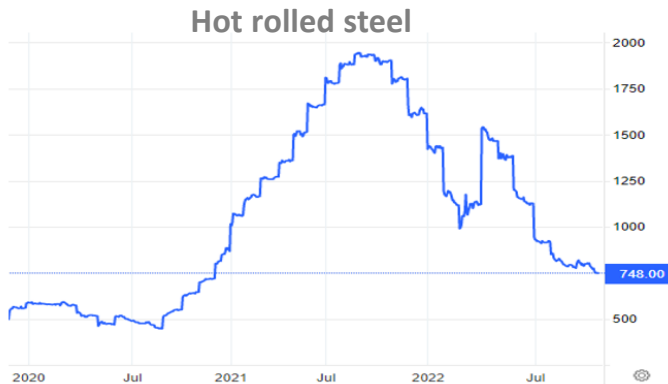
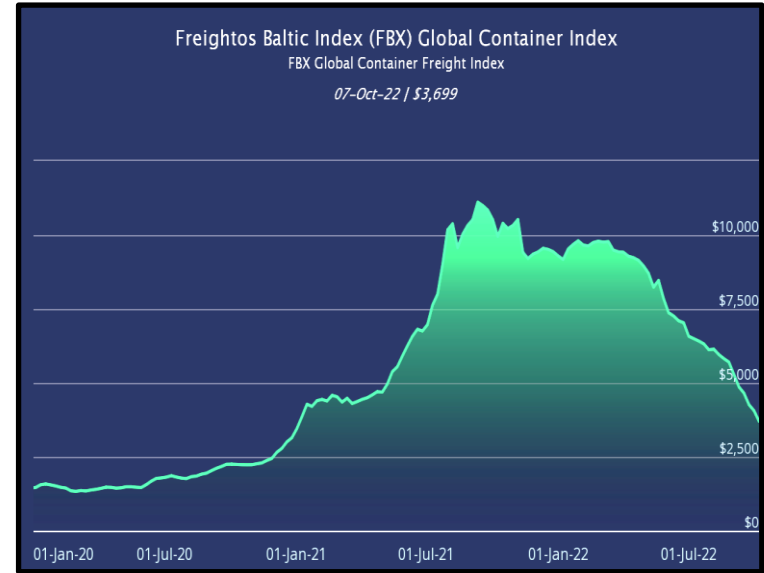
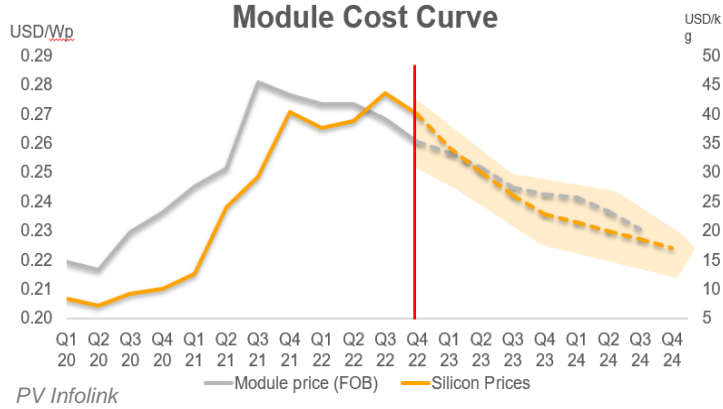
Global power generation  
Thousand TWh



McKinsey

- Power consumption triples by 2050
- Solar soars from 1TWh of generation in 2021 to more than 35TWh in 2050
- Renewables triple their slice of the (bigger) pie

# Solar Supply Chain – Volatility and Opportunity



# Why we're confident - despite the headwinds

Long-term trends will prevail

## Supply chain costs are challenging now but...

-  Climate and energy security are accelerating change
-  Innovation and efficiency
-  Power prices
-  Strong growth trends across the sector
-  Inflation Reduction Act (US) and REPowerEU plan



## Conclusions

- Business as usual for solar is long-gone
- It's time to scale up to the challenge – we've already started
- Streamlined permitting and rewired grids are a must to unlock pace
- Solar supply chains must evolve to meet the demand
- Collaboration across the sector is the catalyst for the inflection point.





# Thank you

[www.lightsourcebp.com](http://www.lightsourcebp.com)



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