

Gero Farruggio



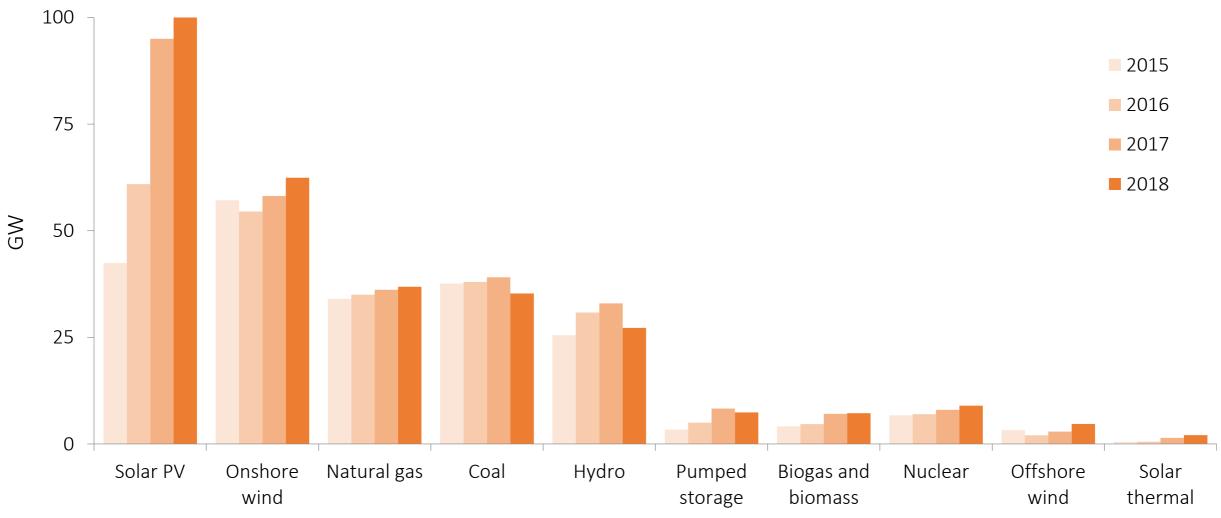
Booth #263

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SOLAR PV - SPARKS JOY!

GLOBAL NEW GENERATION PER YEAR 2015-2018

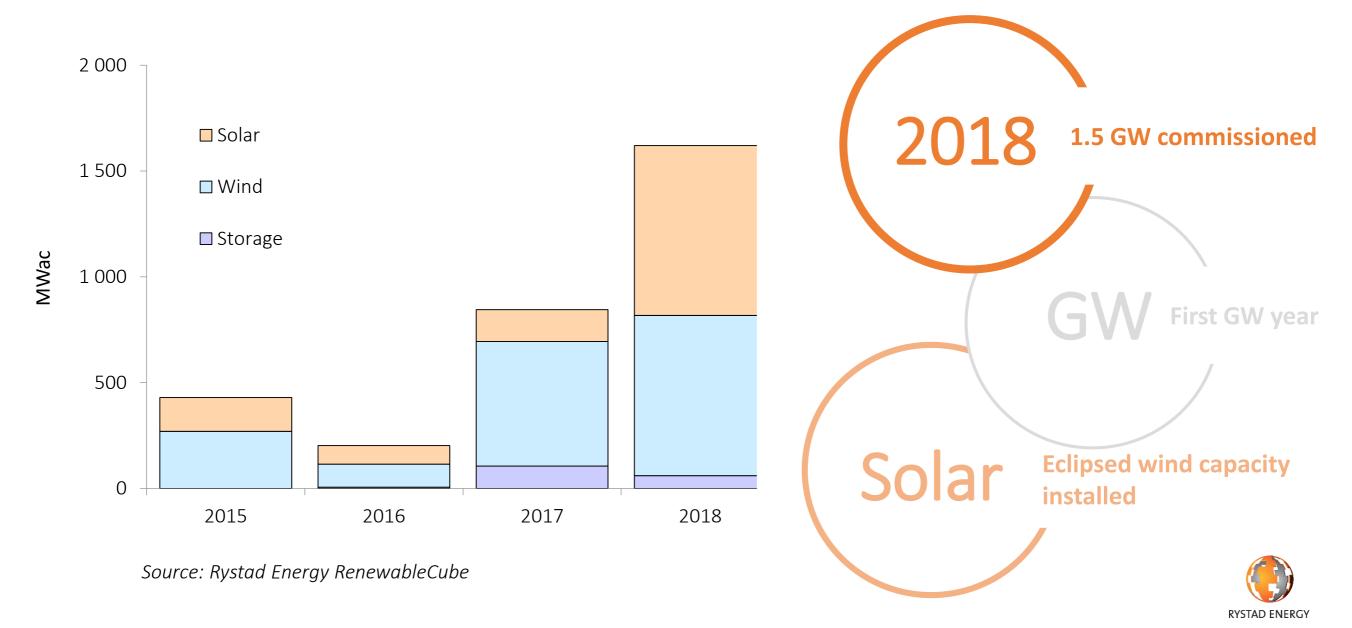


Source: Rystad Energy PowerCube



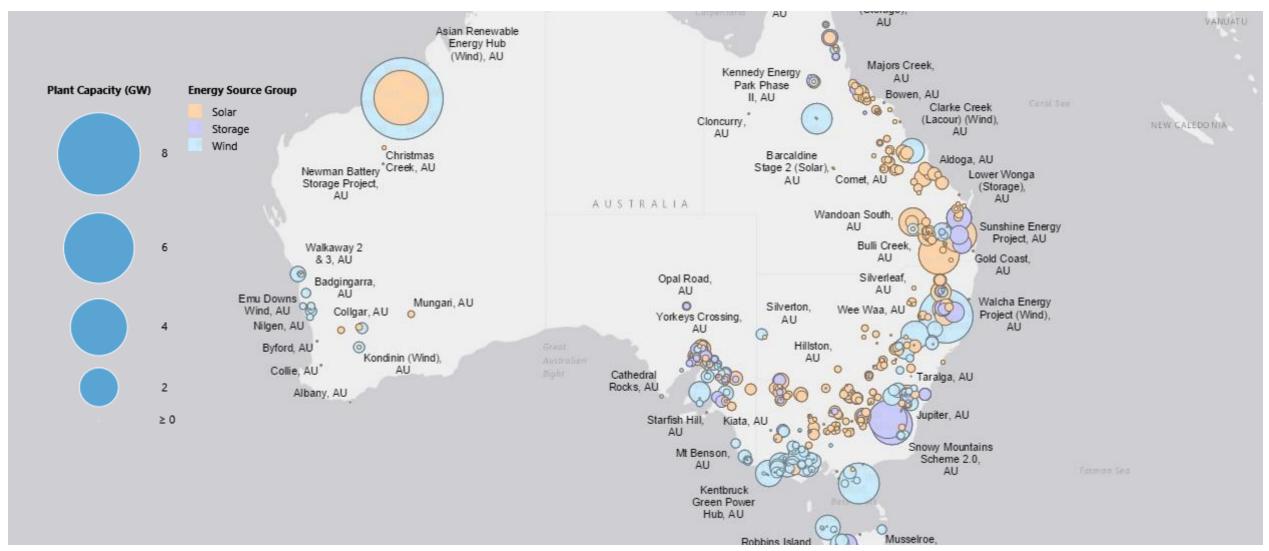
AUSTRALIA TRANSFORMS FROM MW TO GW UTILITY MARKET

RENEWABLES INSTALLED BY ENERGY GROUP



105GW OF SOLAR, WIND & STORAGE IN THE PIPELINE

RENEWABLES BY ENERGY TYPE (GW)

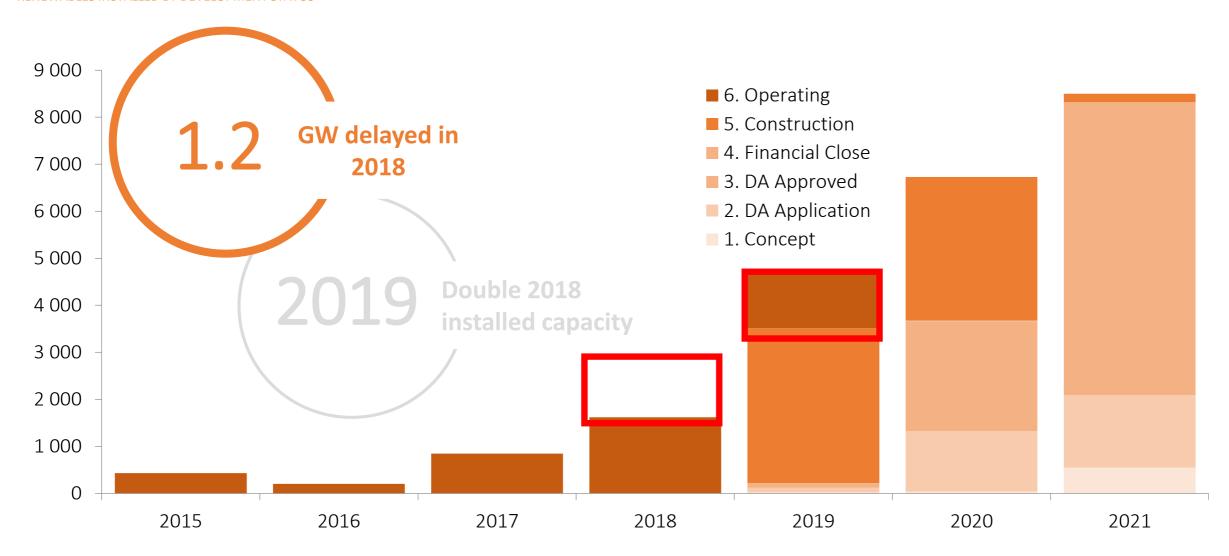






THE SOLAR-COASTER

RENEWABLES INSTALLED BY DEVELOPMENT STATUS

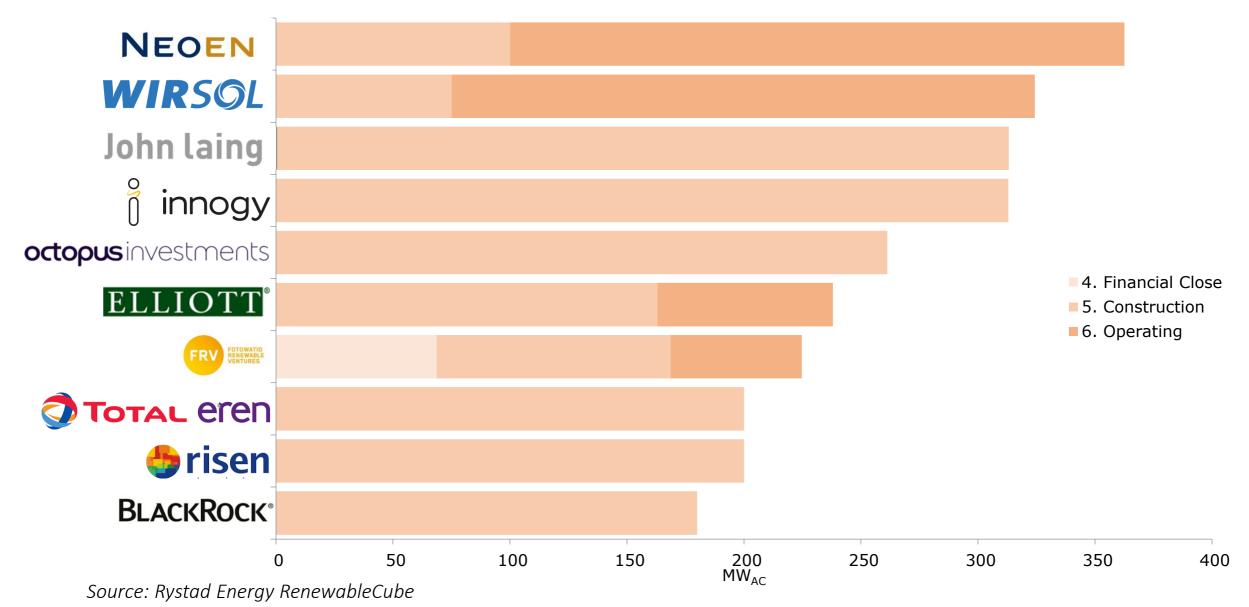


Source: Rystad Energy RenewableCube



THE SOLAR 'MAJORS' - DEVELOPERS & FINANCIALS

TOP 10 PROJECT DEVELOPERS BY EQUITY AND CAPACITY

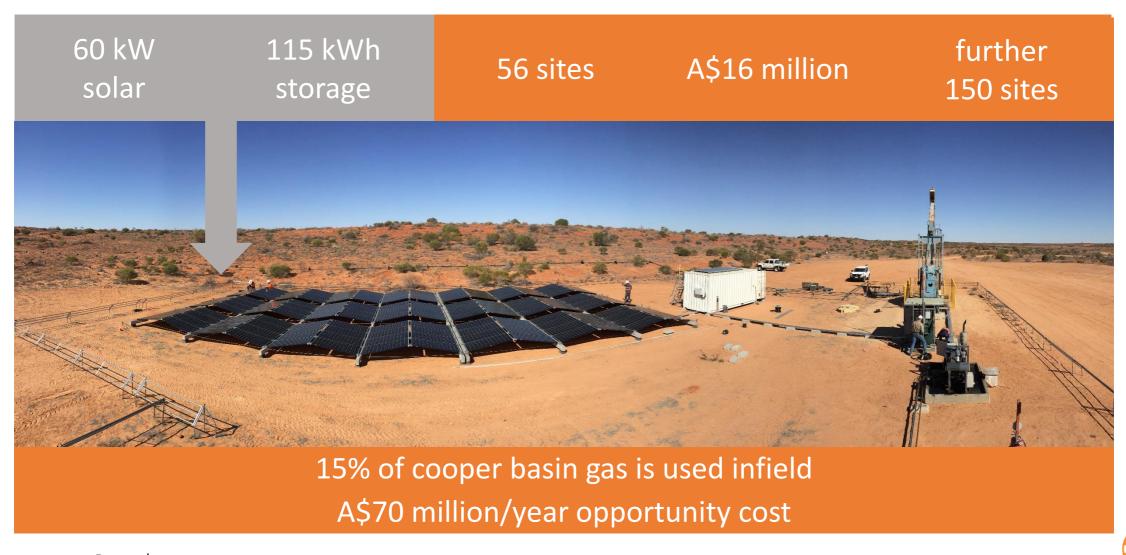






SANTOS TAPS INTO COOPER BASIN SOLAR RESERVE

HOBBES-1 IS PART OF A 56 WELL SOLAR (3.2MW) AND STORAGE ROLLOUT, REPLACING DIESEL MOTORS

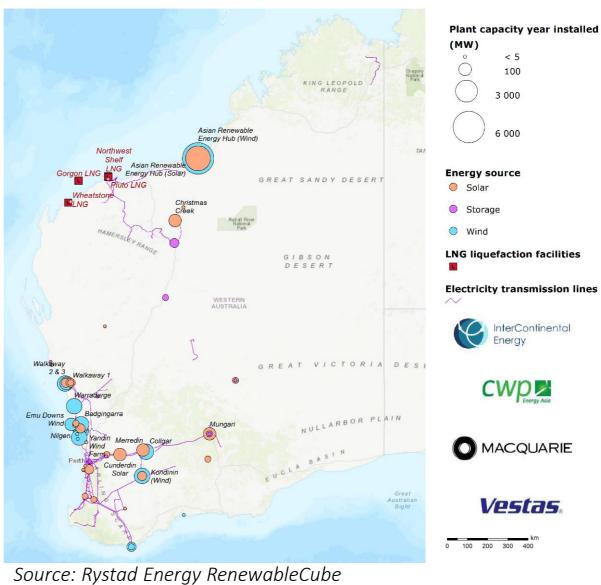


RYSTAD ENERGY

Source: Rystad Energy UCube

ASIAN RENEWABLE HUB

'OIL AND GAS' SCALE PROJECT 3.5 GW Solar & 11 GW 7.5 GW Wind Planning & environmental approvals in process Reserved for the Pilbara, remainder for Hydrogen exports



6 000 **Energy source** Solar Storage Wind LNG liquefaction facilities **Electricity transmission lines** InterContinental CWP Energy Asia MACQUARIE

Vestas.

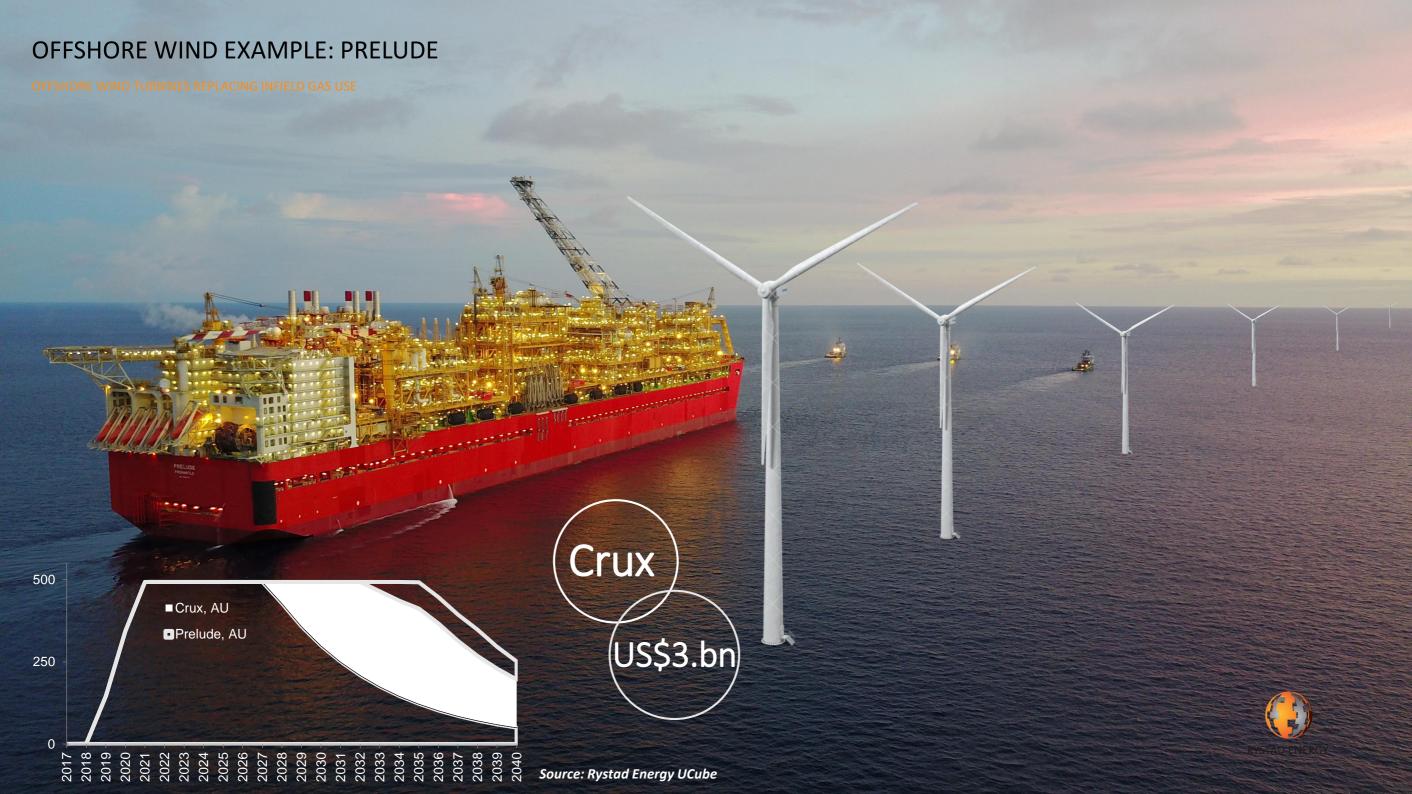


OFFSHORE WIND: OPPORTUNITY PRESENTS SCALE

12 MW TURBINE SITS 260 METRES HIGH WITH A 220 METRE ROTOR DIAMETER

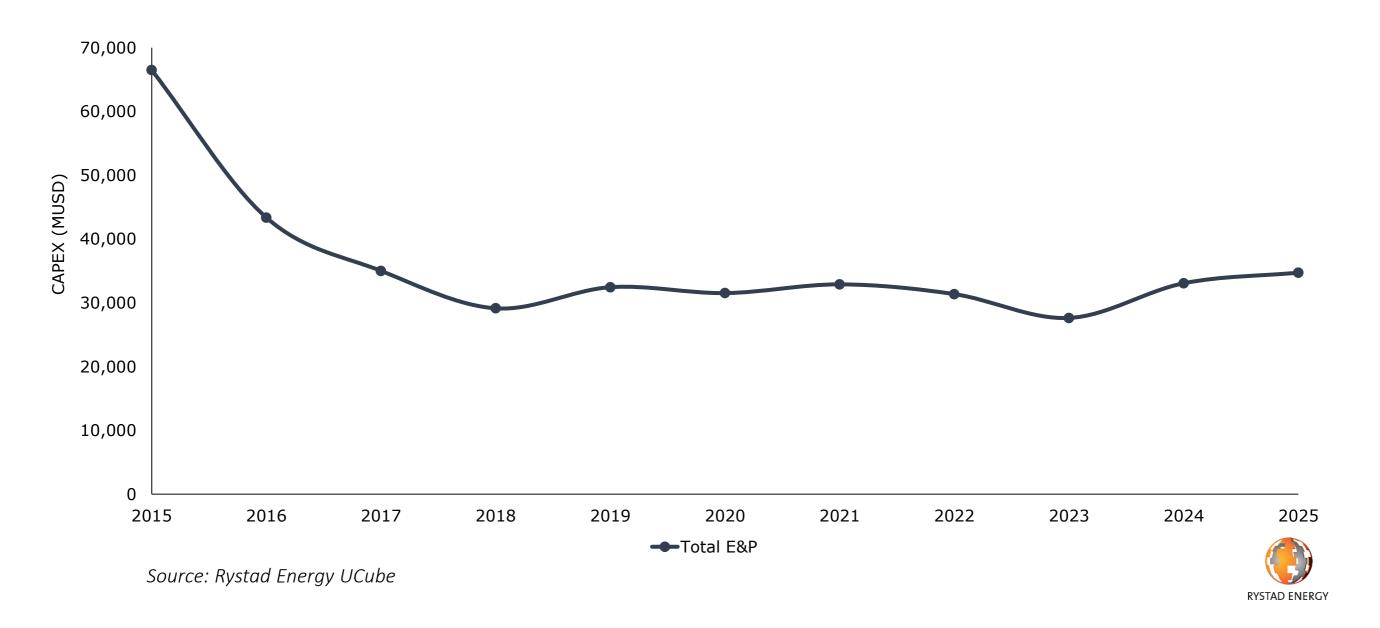






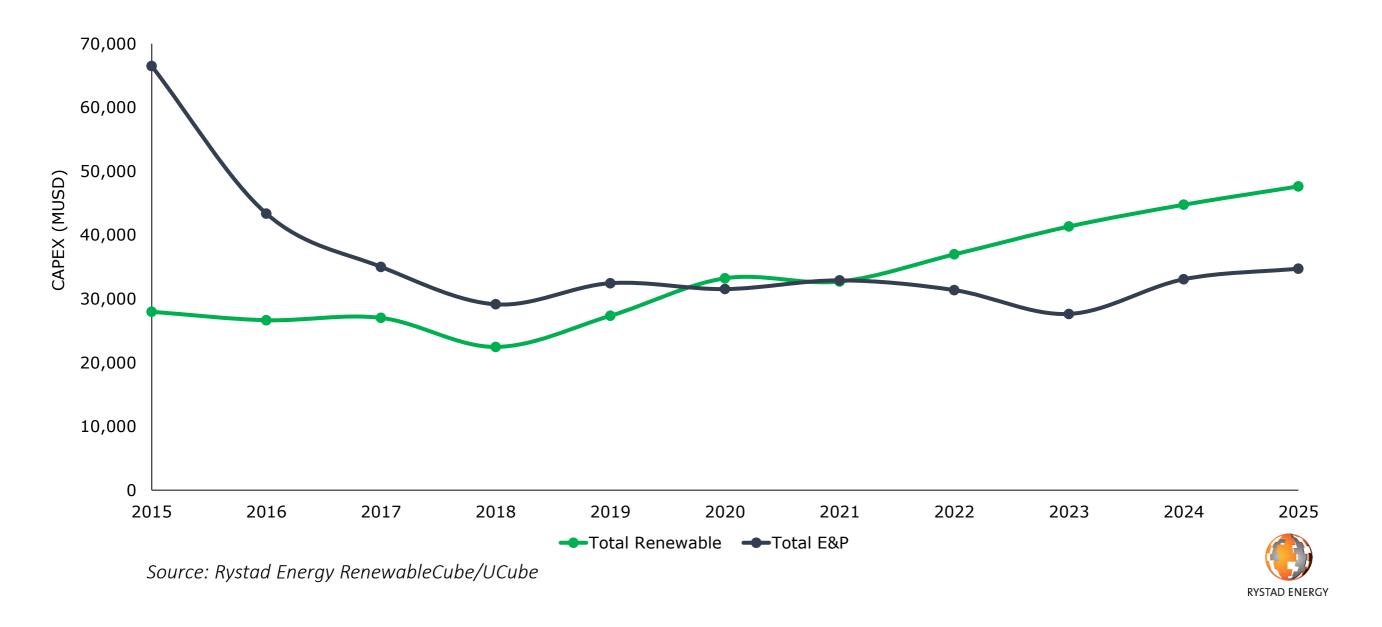
REGIONAL UPSTREAM CAPEX TO PLATEAU

UPSTREAM VS RENEWABLES CAPITAL INVESTMENT (MUSD) IN APAC (EX CHINA, INCLUDING INDIA)



REGIONAL RENEWABLES CAPEX TO OVERTAKE UPSTREAM NEXT YEAR

UPSTREAM VS RENEWABLES CAPITAL INVESTMENT (MUSD) IN APAC (EX CHINA, INCLUDING INDIA)



SUMMARY



Upstream companies will become solar majors in Australia

Total & Santos under construction, with BP, Shell & Eni ground breaking imminent Upstream solar pipeline is 1GW, with 150 MW storage



Reducing or eliminating infield gas use is a key driver

Increasing supply to the gas starved East Coast market & LNG projects Falling solar and storage costs will only increase the appeal



Renewables opportunities present oil & gas scale

AREH being the largest, well positioned to supply the Pilbara energy users Opportunity to tap into Hydrogen Investment will exceed E&P capex next year in APAC



Floating offshore wind is the frontline for E&P companies:

Europe is leading the way Australian E&P players & offshore service sector are well positioned to gain



Rystad Energy

Rystad Energy: Independent energy consulting and business intelligence data firm established in 2004, headquartered in Oslo with offices across the globe.

Databases: Covering energy fundamentals, upstream, oilfield services and renewable energy industries.

Analytics: Alongside the database suite we offer an extensive library of market reports, commentaries and fact sheets.

Consulting: A leading advisor on strategy, markets and business development within the energy space globally.

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Office locations



