



Utility Scale Solar Design Trends

What's happening and why

All Energy – 5 October 2016

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The challenges ahead of us...

Install more year on year

Reduce system cost & LCOE

Increase system yield

Ensure safety, quality and reliability

1500Vdc

Trackers

Batteries

Pre-Fab

Hybrids

1500Vdc is driving down BOS costs by...

Increasing string length and power capacity

Increasing inverter power capacity

Decreasing number of BOS components

Decreasing installation labour costs

Tracker use is reducing LCOE by...

Increasing insolation on plane of array

Improving daily profile capturing evening peak

Improving tracker technology

Minimising cost differential to fixed systems

Battery deployment is increasing revenue and supporting the grid by...

Rapidly reducing costs

Leveraging international experience

Time-shifting generation to peak times

Providing network support services

Pre-fabrication is driving down CAPEX by...

Reducing on-site labour cost

Minimising on-site construction timeframes

Increasing quality and minimising defects

Reducing safety incidents

Hybridisation, to increase capacity factors and firm supply, with...

WIND

BATTERIES

(BIO) DIESEL

HYDRO

CSP

Thanks for listening and enjoy the conference!

Simon.mason@jacobs.com