

PULSE ON THE POWER MARKET // STORAGE

Technical Minute



Josh Crawford
Technology Manager

pulse
on the power market

2025 GENERATION SYMPOSIUM

Technology Evolution



**Cell
Chemistry**



**Packaging
and Supply
Chain**



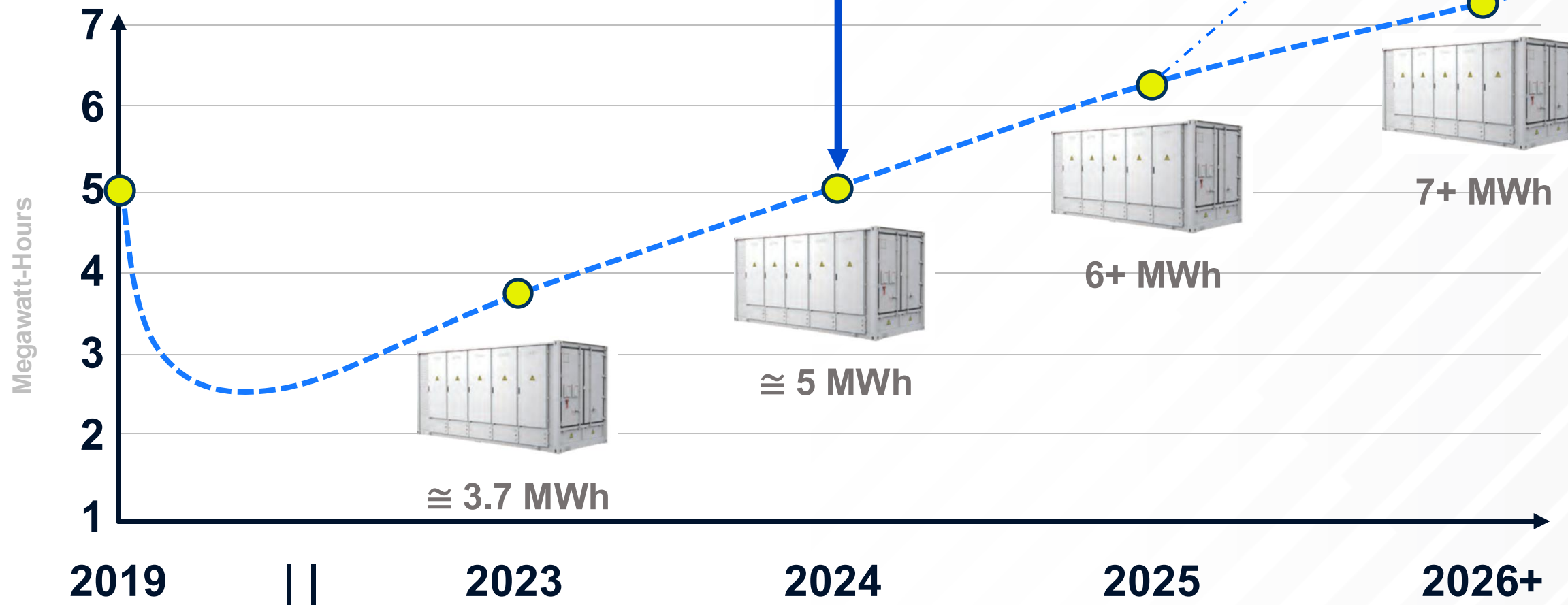
**Whole
Project
Focus**



Energy Density – 20' Cont

DOUBLED MWh
IN TWO YEARS!

10MWh (BYD)



DC vs. AC ESS

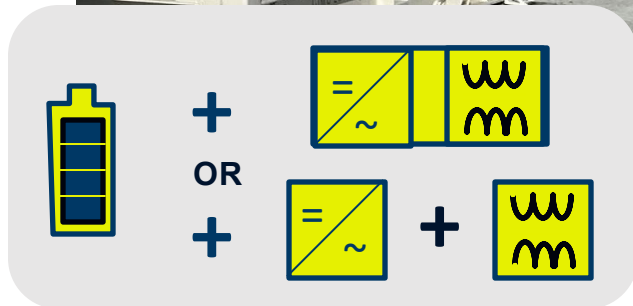
DC Block



Transformer

PCS

Battery



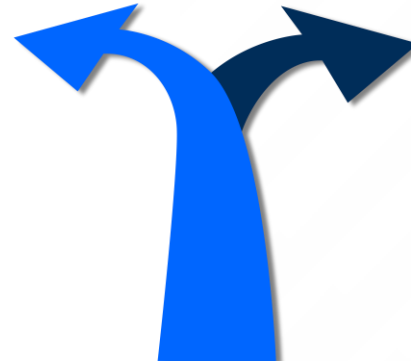
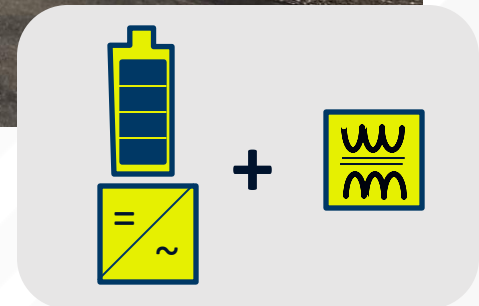
AC Block



Battery

PCS

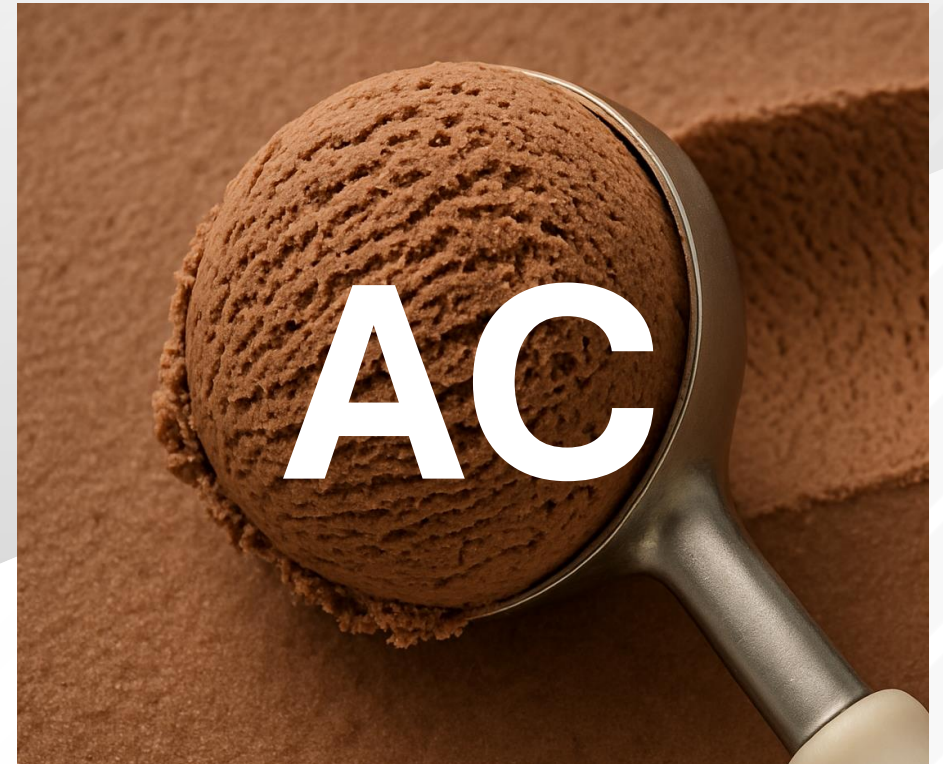
Transformer



DC vs. AC ESS



vs.



New Products

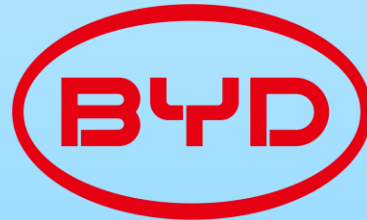
Recent Announcements from...

SUNGROW
Clean power for all

FLUENCE[®]
A Siemens and AES Company

 **CanadianSolar**


TESLA



Additional Definition/ Developments from...

CATL
宁德时代


WÄRTSILÄ



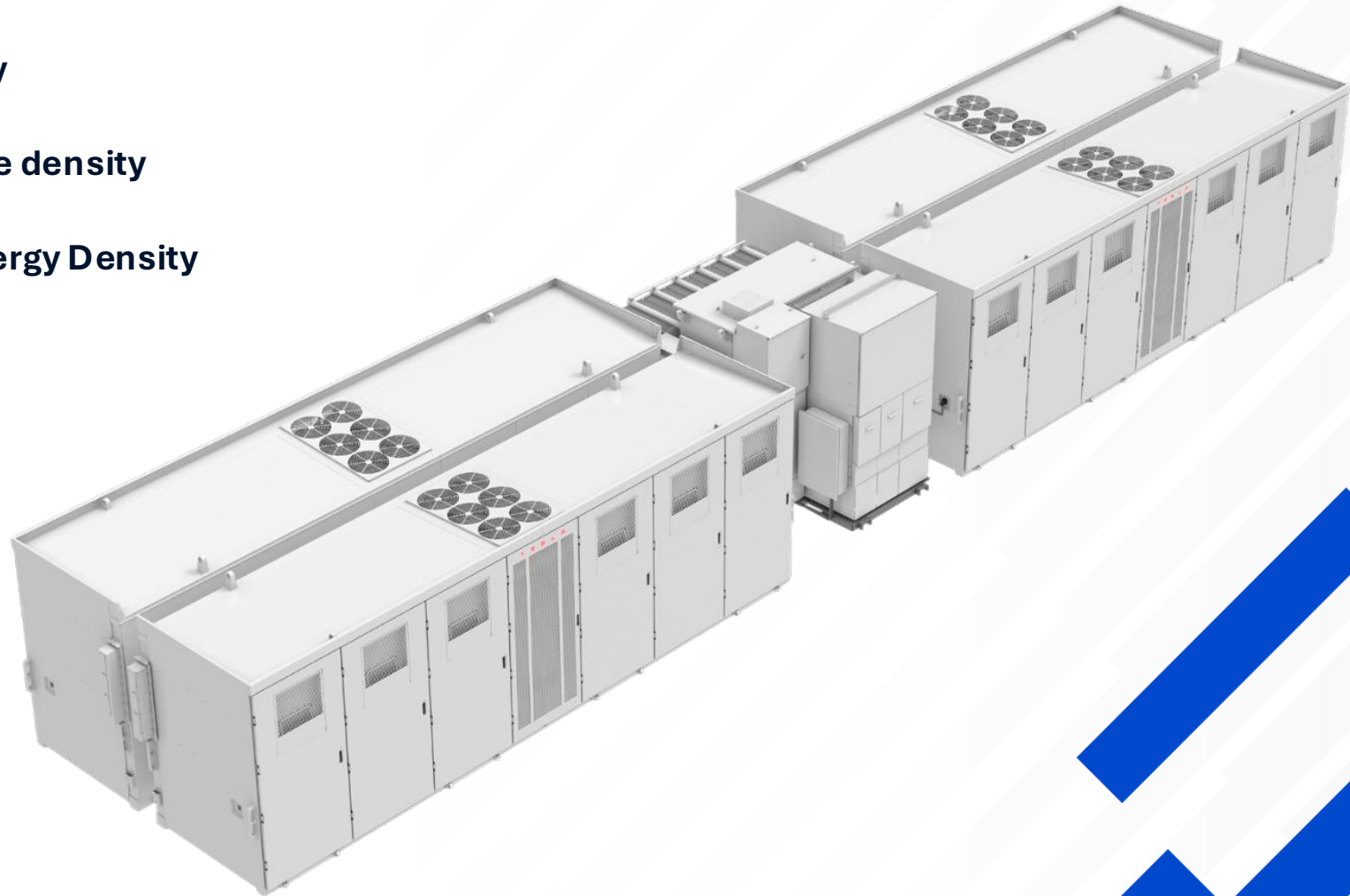


Tesla Megapack 3 and Megablock

4.6 MWh_{ac} PBE Capacity

248 MWh_{ac} Per acre site density

23.8 kWh/ft² PBE Energy Density





BYD HaoHan

14.5 MWh_{ac} PBE Capacity

TBD MWh_{ac} Per acre site density

62.4 kWh/ft² PBE Energy Density



Q & A

