

CSIP-AUS Connect

Lessons Learned at SA Power Networks



Empowering South Australia

South Australia's renewable milestones

72% of Annual Generation met by Renewables



45% of Homes with Rooftop Solar



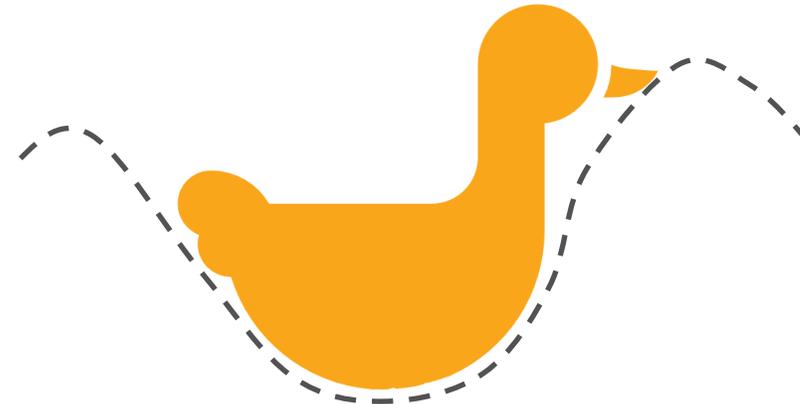
3GW of Rooftop PV



1.5GW Average Demand



-205MW Negative Demand and 113% Rooftop Solar



Microgrid

First inverter compatible with CSIP-AUS!



Solar Generation

Solar Generation

Solar Generation

House Loads

House Loads

House Loads

Appliances

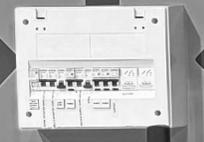
Appliances

Import/Export

Import/Export

Import/Export

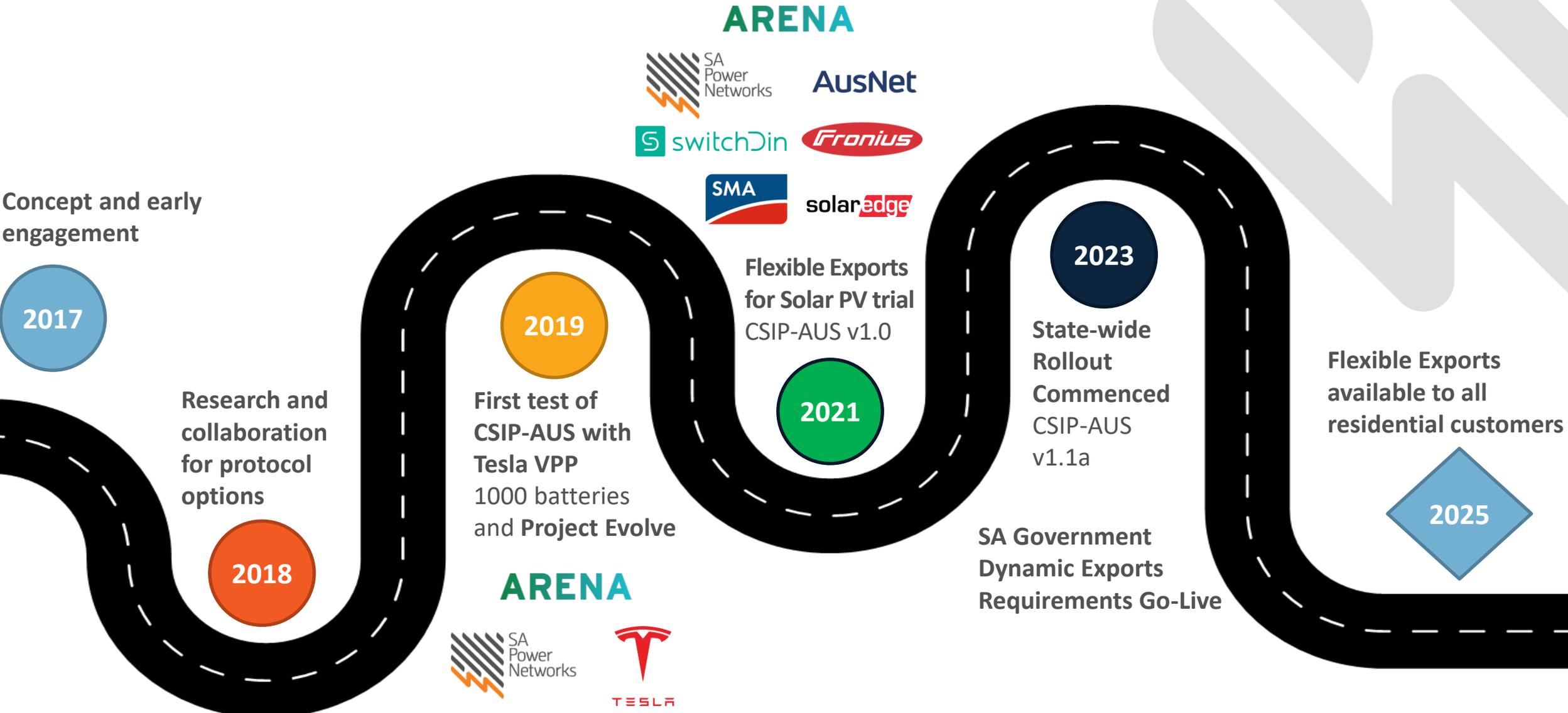
TESLA



control
increases
incineration
costs for

Control
Options

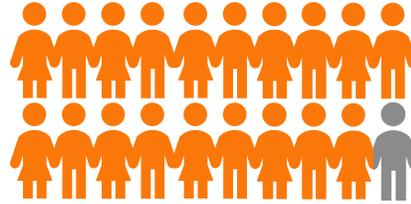
SA Power Networks Journey with CSIP-AUS



Flexible Exports



27,000 Customers
Flexible Export Approvals



95% Opt-In
1 in 20 opt for fixed exports



158,000 MWh unlocked
Enough to charge Hornsdale over 800 times

Testing & Certification



47 Clients



2072 Inverter Models



53,000+ Tests

Lessons Learned



Standards don't equal "plug and play"

Further governance and ongoing industry collaboration is required to achieve true interoperability. Standards are black and white, but there is lots to work on in the grey between.



Agility is key

Our industry is large and complex. Bite sized change can support the rapid release of value for customers. Agile development of CSIP-AUS has supported learning by doing.



We all share the same customer

Government, OEMs, Tech Providers, Networks, Retailers etc. We all exist to serve the same customer. Lots of common ground exists when problem solving.



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