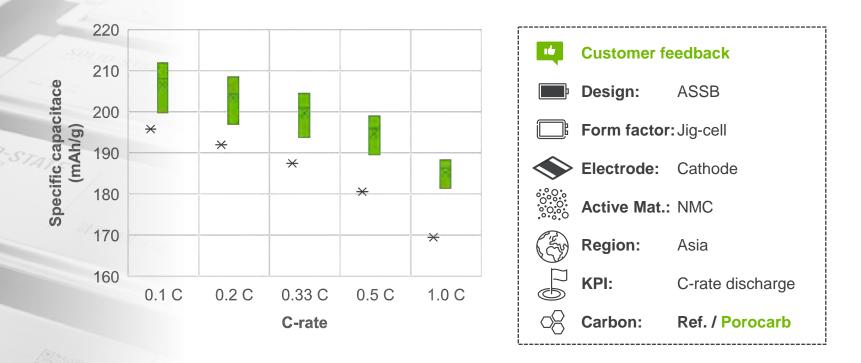


Key results

- Porocarb[®] enhances the cycle life by +10% capacity retention after > 1000 cycles
- In addition the cell swelling is reduced by -10% after > 1000 cycles, increasing the cell safety
- By adding Porocarb[®] to your battery both, cycle life time and safety are improved

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BOOSTED ASSB CATHODE PERFORMANCE



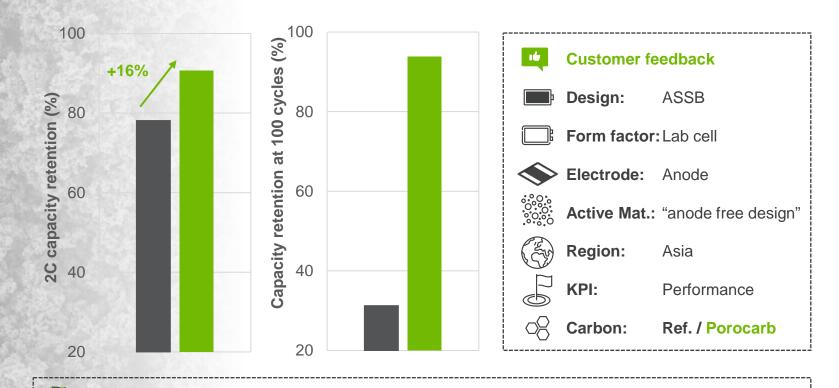
Key results

- The single particles of Porocarb® allow for a defect free cathode processing and densification
- **Porocarb**[®] enables an increased initial specific discharge capacitance
- At high C-rates of 1.0 C Porocarb® enables an increased capacity of up to 10%

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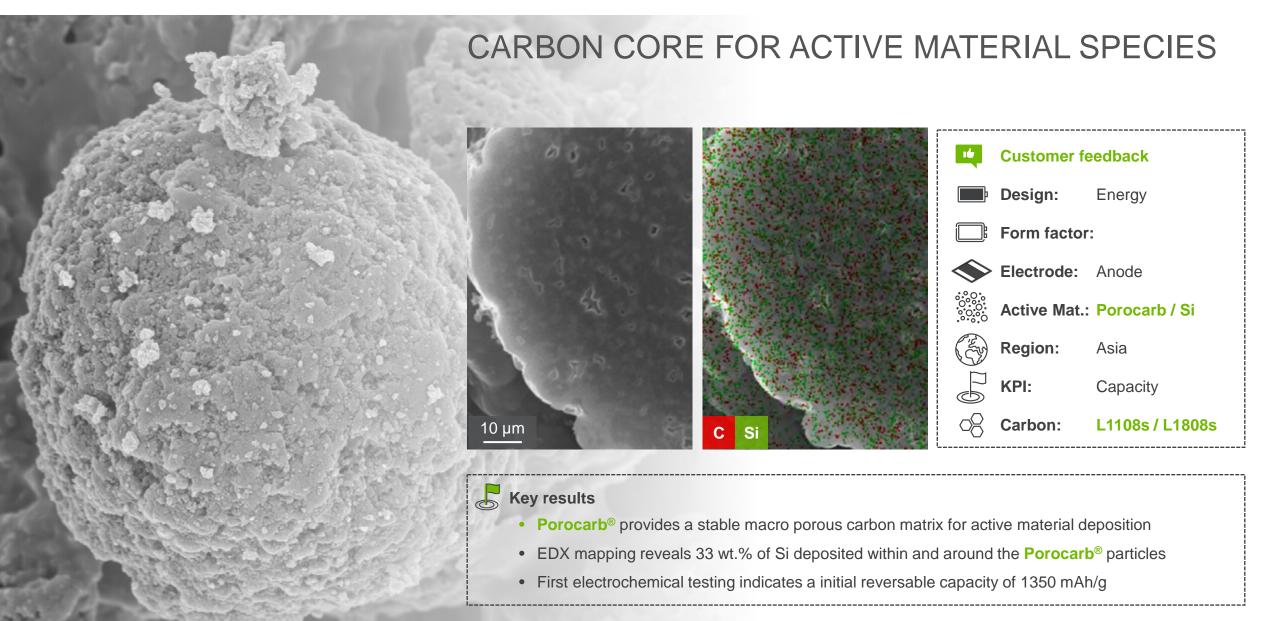
SOLID-STATE

CARBON PROTECTIVE LAYER FOR ASSB ANODE



Key results

- Thin coating of **Porocarb[®]** results in a porous carbon protective layer in an anode free design
- Porocarb[®] improves the C-rate discharge performance compared to the reference carbon
- The Porocarb[®] layer improves the cycling stability with 94% capacity retention at 100 cycles





VISIT US AT BOOTH 8-D86

porocarb@heraeus.com





Let's discuss how **Porocarb**[®] can help you!

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