**DIGITAL INDUSTRIES SOFTWARE** 

## Battery smart manufacturing production excellence

Digital transformation is now a competitive necessity

Market trends are disrupting the battery manufacturing industry.



The battery manufacturing industry is expected to grow exponentially through the year 2030.



Yet just 10 to 15 battery cell suppliers are enough to supply the global market.\*

Excess capacity and the race for innovation will increase competitive pressure.

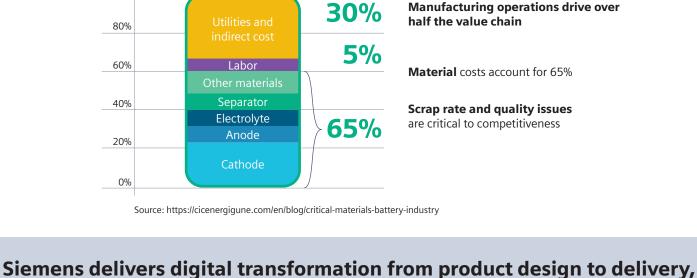
Excess capacity and the race for innovation will increase competitive pressure, driving the need for manufacturing efficiency.

\*Source: McKinsey & Company, "Capturing the battery value-chain opportunity," January 2022.

100%

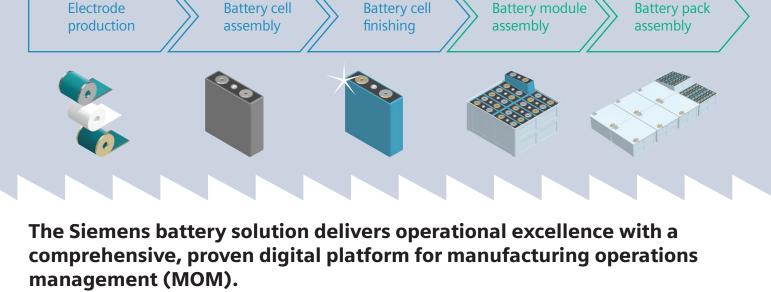


Manufacturing excellence is required to ramp up capacity quickly while keeping control over cost and quality – creating economies of scale with sustainable and compliant operations.



Battery cell process Battery pack process

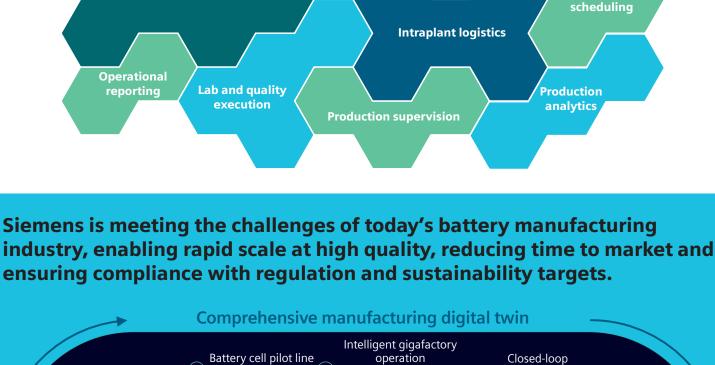
driving new levels of innovation, quality and efficiency.



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Production



Smart battery pack

production

Battery pack

series preparation

Virtual

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