

Future Battery Technologies: Il contributo di Manz alla value chain delle batterie al litio

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BATTERY MANUFACTURING SUSTAINABILITY IN EUROPE

Cell design and manufacturing research and innovation outcome

Cost reduction

- » Smart digital technology
- » Digital customer service
- » Process optimization
- » Efficiency improvement
- » Traceability and battery data
- » Production data for machine learning and predictive maintenance
- » Maintenance adjustment
- » Digital twin
- » Big data analytic reduce CO2



Economical

Carbon footprint

Green battery passport
Limited utilization of hazard material/dry processes
More efficient resource and energy use
Second use
Design to recycling
LCA modelling studies



Environmental

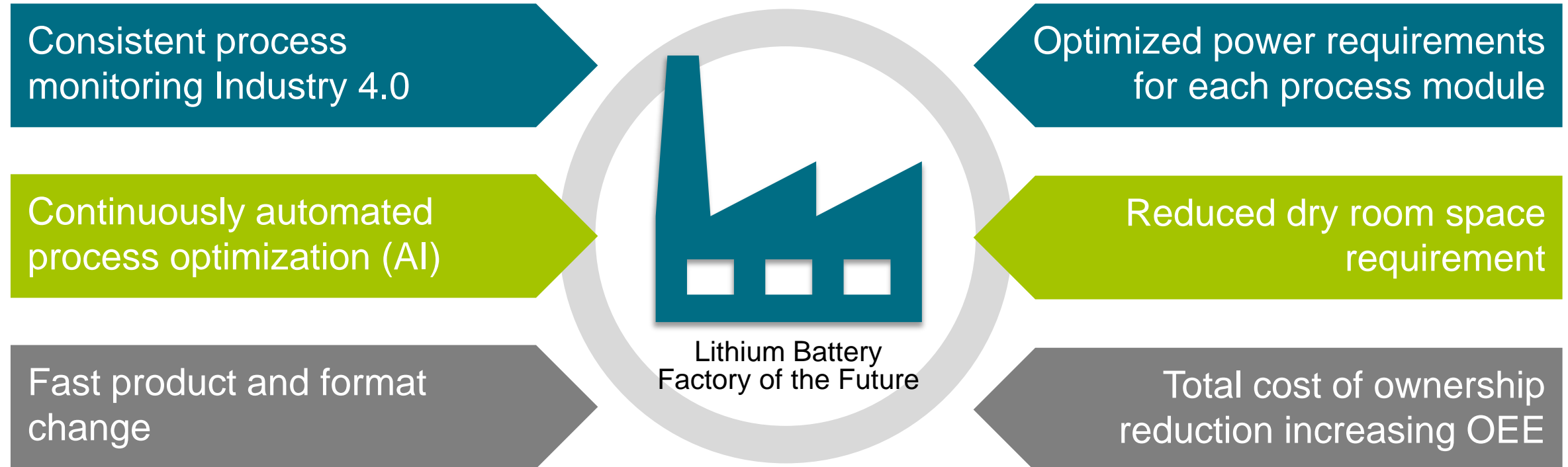
Education

Job reskilling and training
Communication to prosumer to accept the new technologies
Generate a local supply chain
Interconnect academia and industry to drive innovation



Social

OPEN FAB



For a sustainable battery production in Europe