



# Upcycle batteries. Avert climate change.

Dr. Núria González-García

betteries AMPS GmbH Introduction | 06.2022



# Li-ion battery demand is skyrocketing

A tsunami of used EV batteries is coming to us



# Closing the loop in energy transition

Linking EV sustainability with the transition to renewables

...innovate towards a circular economy in the automotive sector?



...reduce the C-footprint of an EV battery by 22%?



...provide affordable access to clean energy to millions of people?

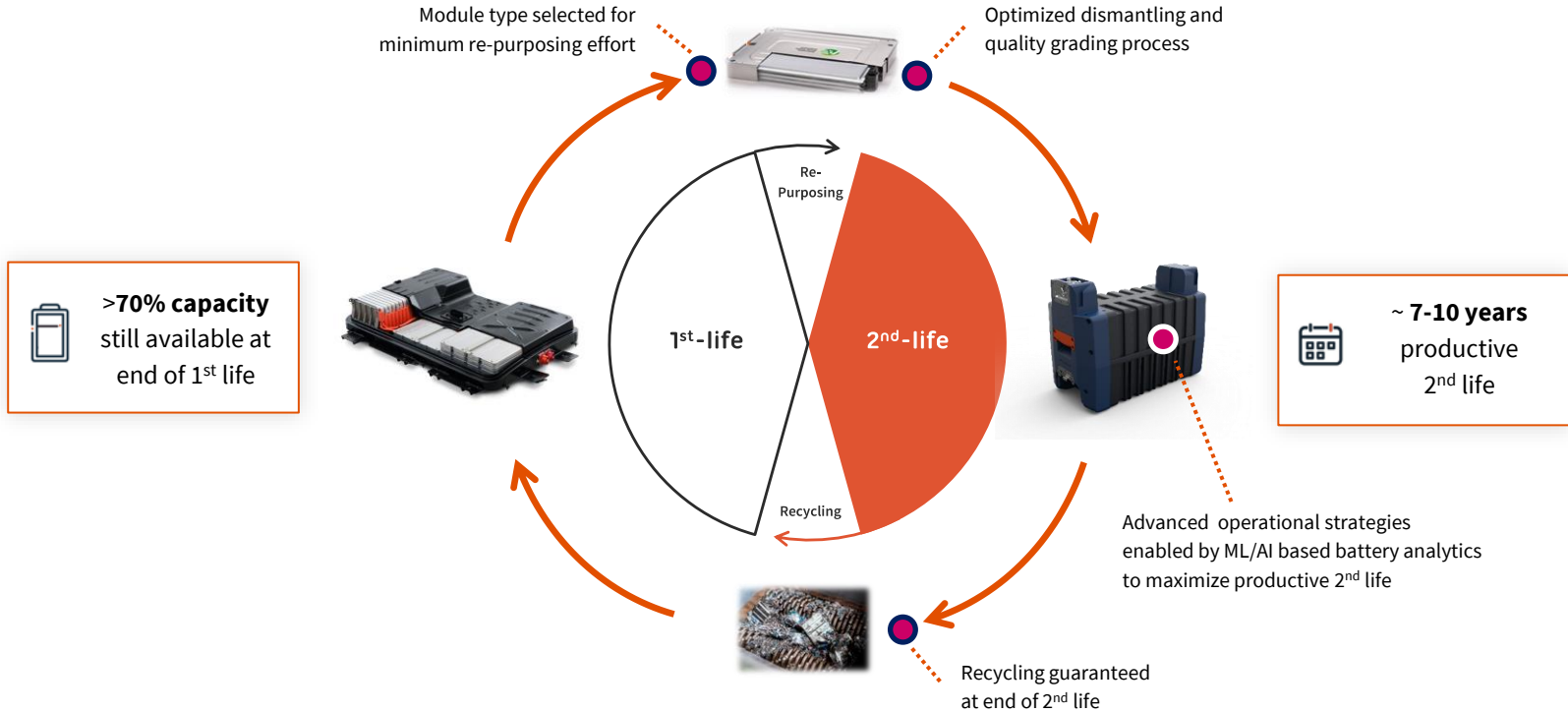


...avert megatons of CO<sub>2</sub> by replacing fuel-generators and combustion engines by electric ones?



# Upcycling EV battery modules

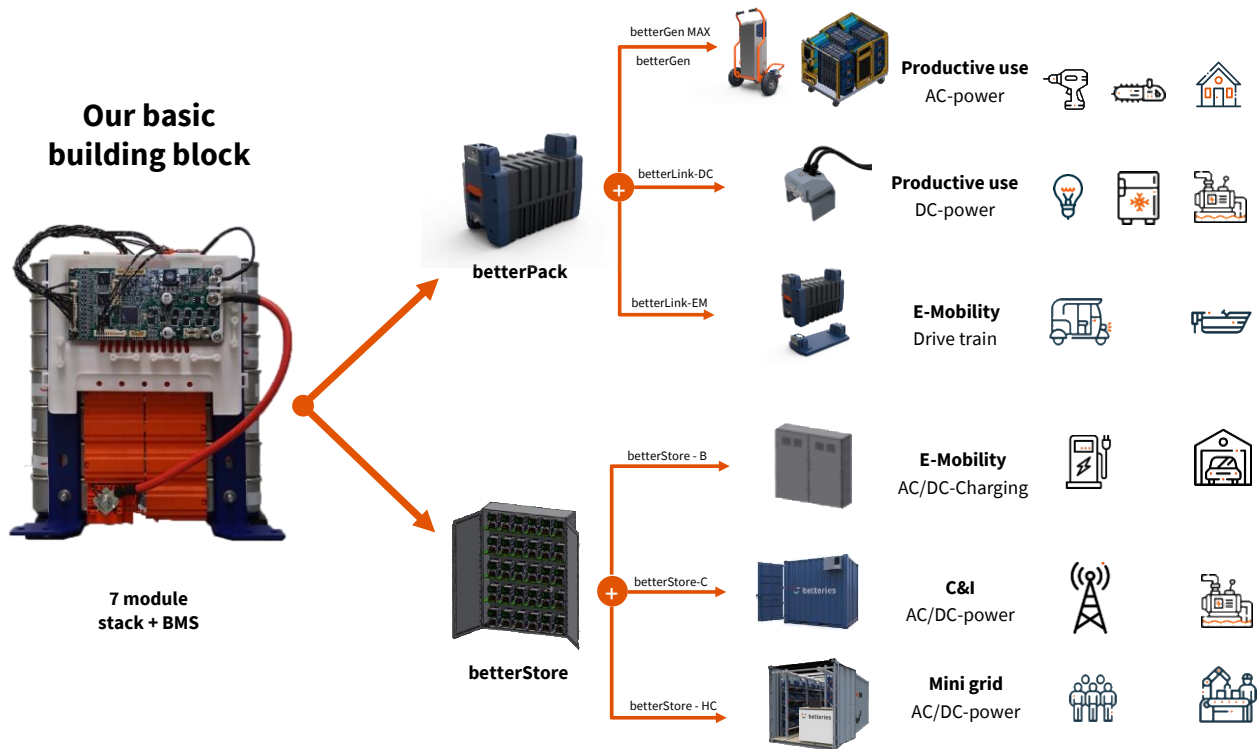
Balancing remanufacturing costs and productive second-life battery





# Modular, mobile and multi-purpose systems

From 2 to 240kWh, AC & DC power



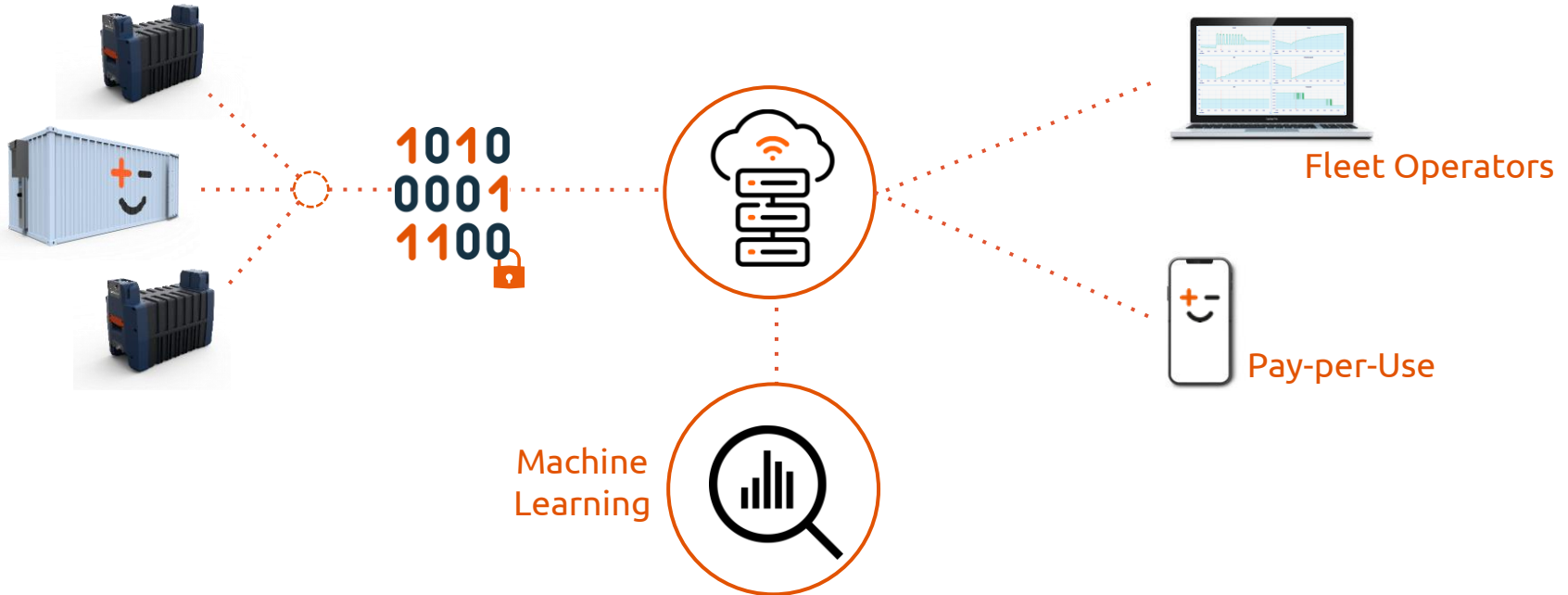
# Our IOT backbone & business platform

Enabling optimum asset management and innovative business models

Monitoring and management  
of IoT devices

Asset tracking

Digital business platform







# Current Stage – June 2022

Ready for market launch after several pilots with customers

- + Prototypes successfully tested by customers for multiple applications
- + 6+ million operational data points for Battery Analytics
- + Development of larger energy storage solutions started
- + Pilot projects for industrial applications planned for 2022



Construction Industry



Film sets



Solar farms



Solar container



Electric propulsion



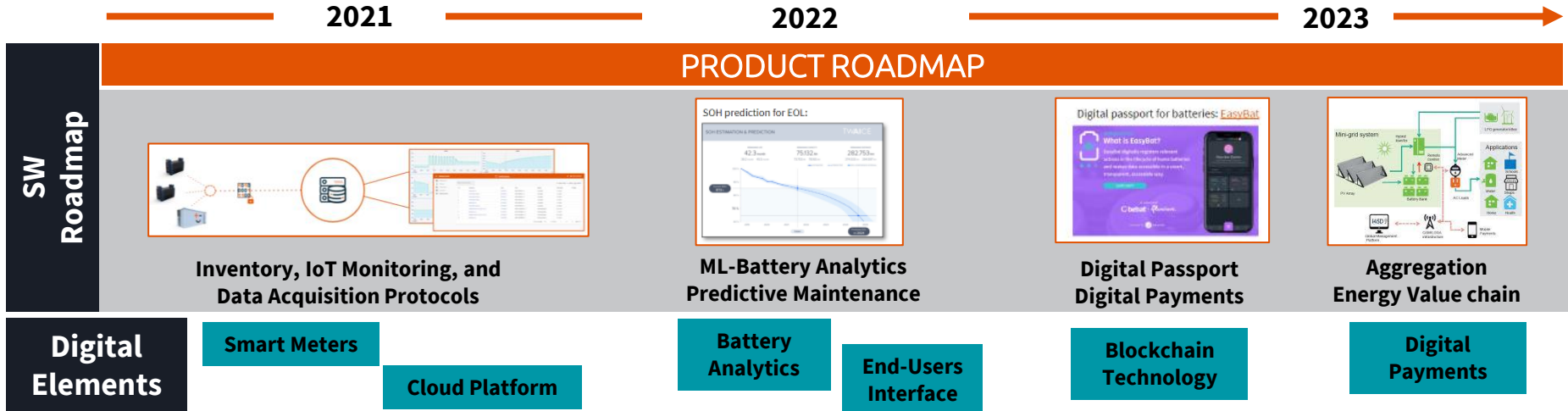
E-mobility

**Certification, serial production and sales are imminent**



# Digital Tools to boost our Circular Products

Batteries sit at the centre of the new energy value chain



- + Boost our products with digital tools
- + Boost market uptake with innovative business models
- + Merge scientific research with market demands
- + Digital and traceable Energy Value Chain





## Contact



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