MANAGAMENT SUMMARY ACTION PROGRAMME BATTERY SYSTEMS

EXPERT GROUP ON BATTERIES, SEPTEMBER 2022



and packs

Batteries are an **indispensable key enabling technology** in the **energy transition**. They are a key tool in making the mobility sector more sustainable and support **stabilization of the energy grid** with more sustainable but less adjustable energy sources.

Europe and the local industries are investing significantly in developing an independent and sustainable European battery value chain. The expected yearly production of battery cells in **Europe is 462 GWh annually in 2025**.



This provides great opportunities for the Dutch high-tech industry, and the mobility and energy sector



developing complex (thin-film) production equipment, the Dutch hightech industry will supply production equipment to **European gigafactories**



Refurbishment, repurposing and recycling

COLLABORATIVE ACTIONS



Establishing the necessary R&D- and test-facilities for developing and scaling new concepts for battery cells and packs Bilateral cooperation, in Europe with **a focus on Germany**





In **2030** the Dutch industry is recognized for its focus on battery technology for the heavy-duty mobility sector and will design, develop, produce and test **internationally renowned battery systems for heavy duty mobility**



In **2030** batteries with **130 hours** storage capacity will provide sufficient grid capacity and adjustable **power**



In **2030** the Netherlands is **leading** in testing of **heavy duty batteries and battery systems for grid support**



In 2030, an independent Dutch infrastructure with access to recycled resources is established



At the end of 2022

a national battery com-

petence cluster called

BCC-NL will have been

established





Establishment of a joint human capital agenda and action plan

Holland High Tech

Global Challenges, Smart Solutions