

## SUPPORT TOOLS FOR BATTERY RECYCLING PROCESSES

INL provides advanced support tools and protocols to optimise battery recycling workflows and enable reliable material recovery. These empower partners with actionable data for process optimisation and circular economy models, facilitating regulatory compliance and environmental responsibility in recycling operations.

These include:

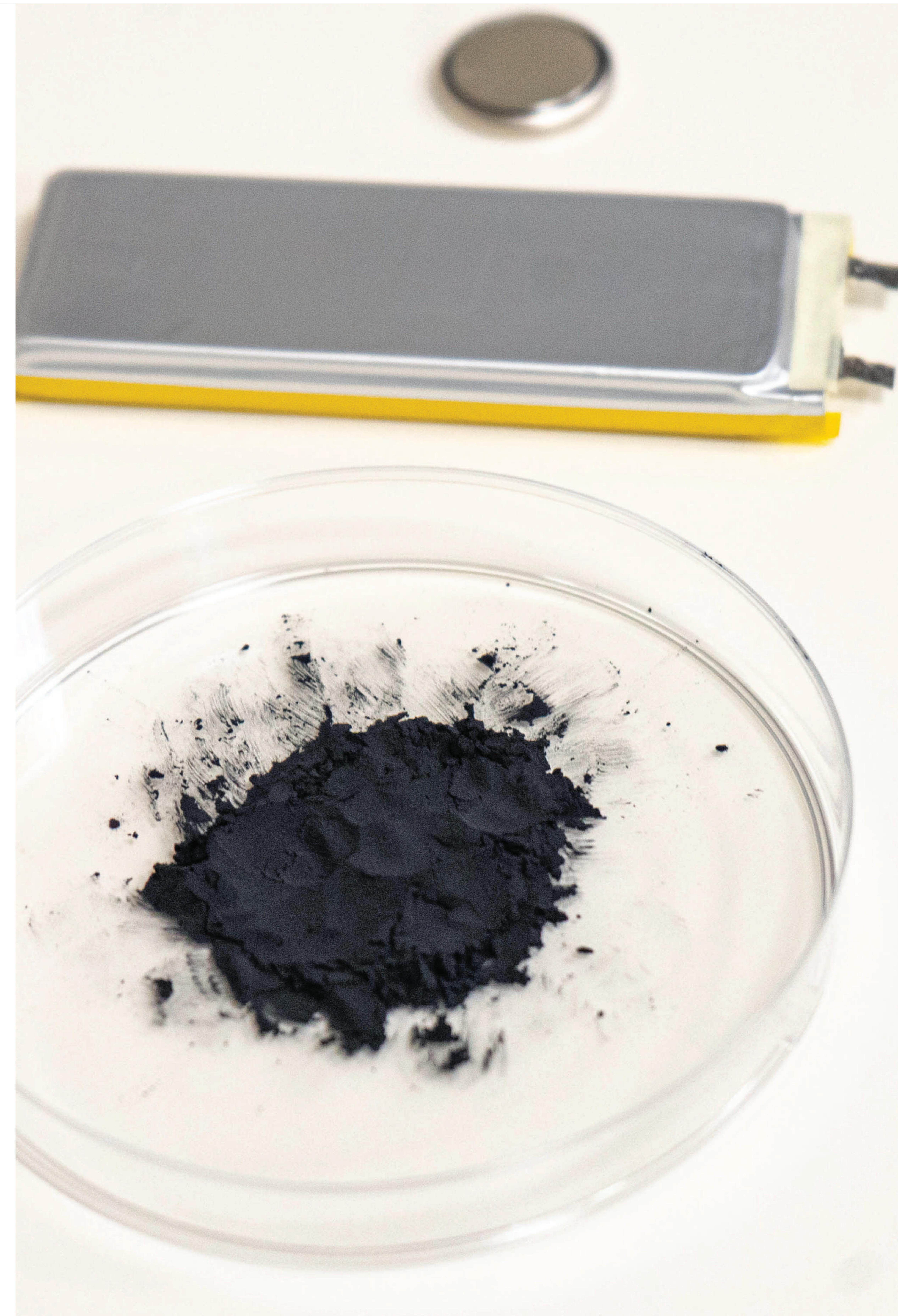
- Validated black mass characterisation protocol to standardise recycling practices.
- Optimisation of recycling workflows and byproduct analysis, actively supporting industry partners.
- Battery degradation modelling and new measurement capabilities are under development, paving the way for accurate battery health prediction.

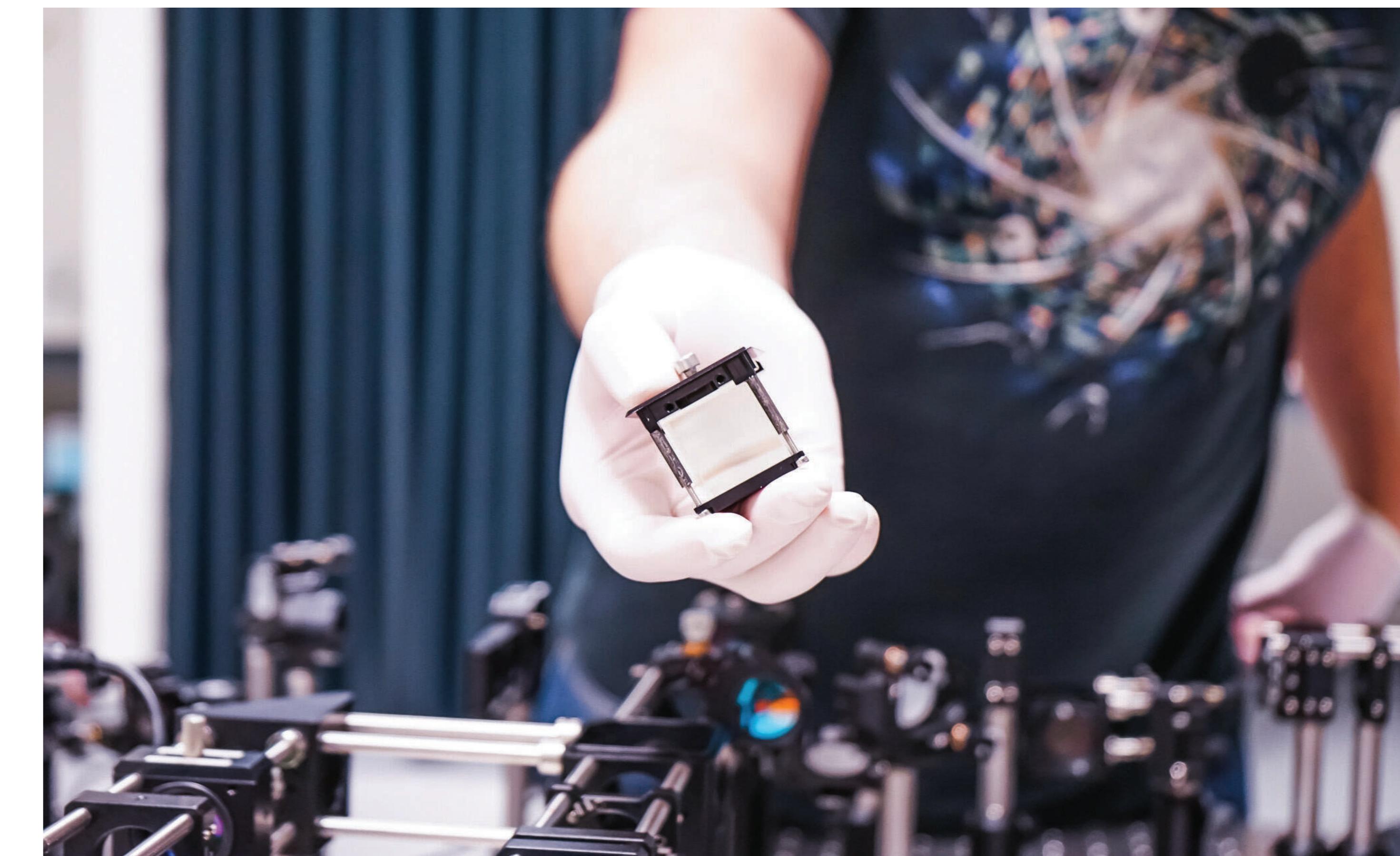
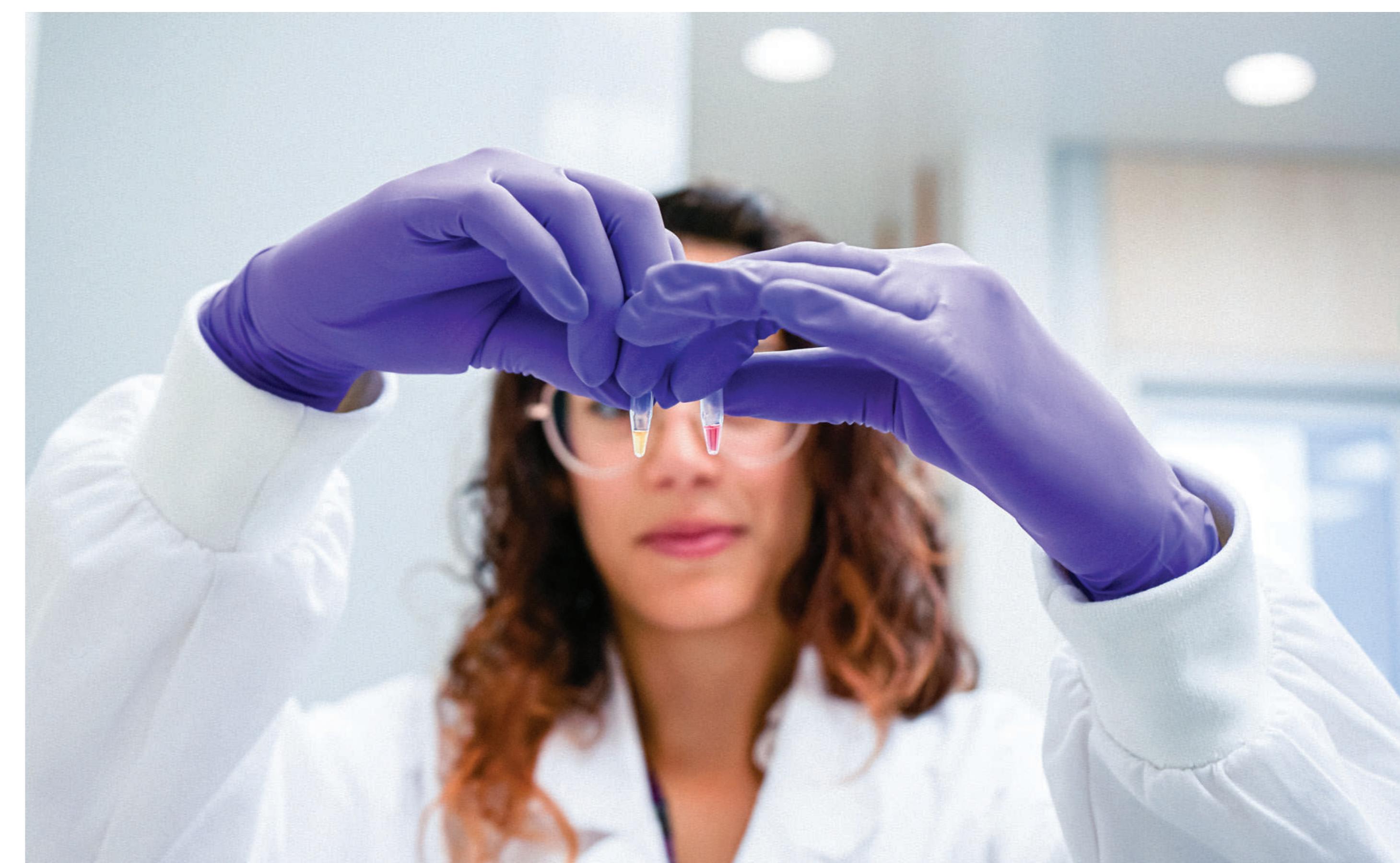
### + Key Benefits:

- Standardised black mass characterisation for consistent quality
- Improved recycling efficiency and material recovery
- Enhanced predictive capabilities for battery health
- Support for regulatory compliance and sustainability goals
- Options for IP, start-up creation, and direct contracts under negotiation

### + Suggested application

- Battery recycling companies
- Electric mobility and battery manufacturers
- Sustainability and regulatory compliance initiatives
- Circular economy and resource recovery programs





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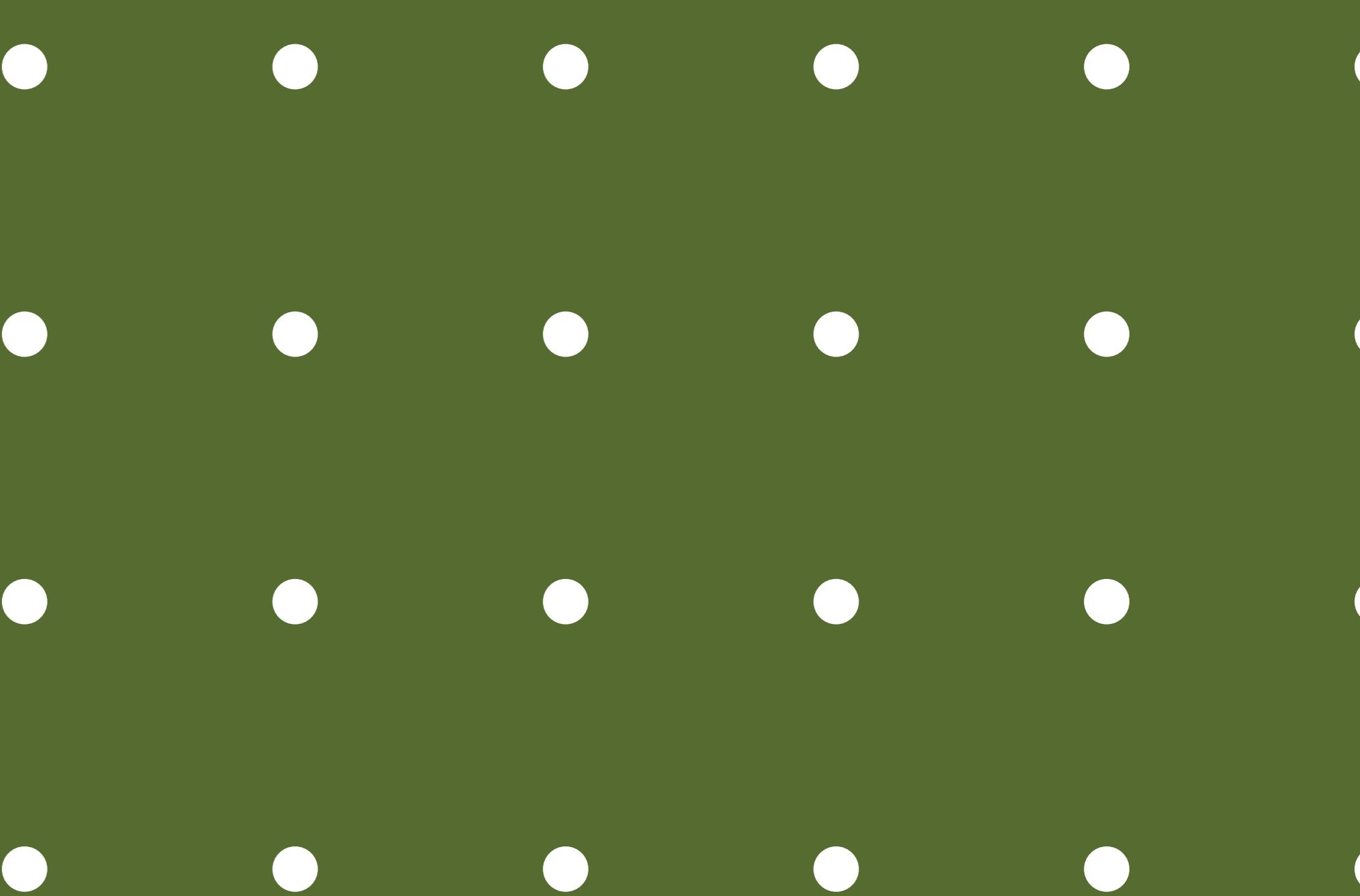
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