



SOLVAY

asking more from chemistry®

正極活物質の保護コーティング 両電極で水系ベースの製造プロセスが可能

A Protective Coating for Cathode Active Materials Enabling Water-based Production Process of Electrodes

LIFE+ GLEE コーティング技術の利点

LIFE+ GLEE coating technology advantages

- 環境に優しいプロセス: リチウムイオン電池の製造プロセスを有害な溶剤から水に置換
Sustainable process: replace toxic solvent with water in the Li-Ion battery manufacturing process
- より安価なプロセス: 有害な溶剤の回収および浄化に起因する費用の削減
Cheaper process: reduced costs associated with the toxic solvent recovery and re-purification processes
- 長期電池寿命: 保護コーティングは電解液に対する正極活物質の耐性を強化
Long battery life: the protection coating enhances Cathode Active Material (CAM) resistance toward the electrolyte
- 電池性能の向上: 電極の伝導性強化および電気化学特性の向上
Enhanced battery performance: enhanced conducting properties of the electrodes and improved electrochemical properties
- 拡張性: 量産への拡張が容易
Scalability: technology easily scalable to industrial level

ブレイクスルー技術

A breakthrough technology



Green Li-Ion Batteries through
Electrode Electroless Deposition



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