

SOLVIONIC

POWERED BY INNOVATION

CLUSTERING EVENT: "The use of Deep Eutectic Solvents and Ionic Liquids for metal recovery"

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Main markets

Electrochemical devices

Li-ion, supercaps, electrochromics, etc.

Surface treatments and coatings antimigration, lubricants, etc.

Solvents, separation, extractions catalysis, extraction, cellulose, etc.

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Roadmap

R&I

Product portfolio



Company

R&I

Ionic Liquid properties Tuned for electrochemical applications



Specific know-how



Ionic liquids synthesis process

 Chemical pathways designed for industrialization (easy upscaling, safety, toxicity, REACH compliance)



Ionic liquids purification process

 Continuous improvement of know-how on purification processes leads to highly pure products



Ionic liquids quality control

- Continuous improvement of specific analyses methods
- Analyses reports Impurities content: H₂O < 5ppm – halides < 1ppm – amines < 10ppm

Company

Technolog

Roadmap

R&

Roadmap to industrialisation







Innovative digital watermarks and green solvents for the recovery and recycling of multi-layer materials



This project has received funding from Horizon 2020 research and innovation program under Grant Agreement N° 101003532

R&I

CULARITE

SOLREC2 – circularity in multilayer packaging





- Solvent based multi-layer packaging recycling and innovative sorting
- Consortium consists of 8 partners from 6 European countries







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CIRCULARITY IN MULTILAYER PACKAGING



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SOLREC2 – circularity in multilayer packaging

Sol-Rec2 process



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SOLREC2 – circularity in multilayer packaging

Digital watermarks for multi-layer packaging





Innovative digital codes will be embossed into packaging material, enabling improved sorting of end-oflife multi-layer packaging waste whilst providing traceability of the plastic products from point of manufacture to end of life disposal.







Thank you for your attention

