



Partner search

Date (DD-MM-YY)

- (*) Relevant topic in work programme

- LC-BAT-8-2020
- LC-BAT-9-2020
- LC-BAT-10-2020
- LC-BAT-14-2020

- Quick description of the project

- (*) Description of the expertise requested (up to 1000 characters)

SPECIFIC POLYMERS (SP) dedicates a significant part of its research effort to the development of [innovative chemicals, polymers or materials](#) for the implementation of Future Battery Technologies. With a lab-scale synthesis capacity **from grams up to kilogram**, SP supports partners and consortia to validate their proof-of-concept by providing already developed or custom-designed (macro)molecules of interest in this field. For high TRL projects, we work with a network of toll-manufacturers for pilot-scale production. SP R&D focuses on i/ **monomers and polymers bearing TFSI moieties for solid polymer electrolyte**, ii/ polyethers (PEO/PPO) functional **polymers exhibiting ionic conductivity**, iii/ **additives and plasticizers** like hybrid nanoparticles or additives providing **repairing or recycling abilities based on self-healing strategies**.

- **Keywords describing the expertise requested (up to 10 words)**

Polymers – synthesis – materials – solid polymer electrolyte – battery Li-ion – self-healing

Organisation information

Organisation and country:
Specific Polymers – Castries (France)

Type of organisation:

Enterprise SME Academic Research institute Public Body Other: Association

Former participation in FP European projects?

Yes No

Web address:

<http://specificpolymers.fr/>

Description of the organisation:

Created in 2003, Specific Polymers is a R&D service provider and chemical suppliers in the field of functional monomers, polymers and materials with enhanced performance. Acting as a contract research organization, we are specialised in chemical engineering. For many years, leading industrial companies and universities worldwide have relied on Specific Polymers to provide on-demand synthesis, research programs, R&D products, analysis services or support for their up-scaled production.



In close collaboration with our customers, we developed our technical skills and know-how to support their development needs and innovative ideas. We are committed to provide them with the best products and advanced expertise. Similar to an engineering consultant firm, our strength lies in the diversity of our knowledge, activities and application fields which contribute to our capacity to provide cross-fertilization.

Co-founded by Cédric Loubat, current CEO of Specific Polymers, the company always gets on with the aim to fill the gap between academic and industrial researches in the field of chemical engineering. Indeed, most of the scientific innovations generated within academic laboratories are often nipped in the bud because these laboratories do not have the abilities to produce intermediate-scales batches to validate proofs of concept.

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