

Prayon manufactures lithium boron iron phosphate (LiFeBPO_4), an outstanding cathode material used in hybrid and electric vehicles batteries as well as stationary applications. The company markets this product under the **Pray-Lion™** trademark.



Main benefits of Pray-Lion™

- Intrinsically **safe** cathode material
- Exceptionally **long life**
- Higher **energy density** than rival offerings

Commercial grade	Competitors	praylion LiFeBPO_4
Capacity (mAh/g) at C Rate	80 to 140	> 140
Coating Density (g/cm ³)	1.8 - 2	> 2.2
Electrode Loading (mAh/cm ²)	2 - 2.5	> 3.5
Wh/kg (C Rate – 10 Ah)	60 - 120	140



A phosphate serving the battery industry

Pray-Lion™ is manufactured at Prayon's main production site in Engis, Belgium. As a world leader in the production of phosphates, Prayon offers:

- large-scale **production capacity**;
- a **high-speed, low-cost continuous process**;
- its **status as a preferred supplier** to the food processing industry, ensuring high quality, traceability, purity and performance.



Technology & intellectual property

Our lithium boron iron phosphate was initially developed by the French Atomic Energy and Alternative Energies Commission (CEA). In 2008, a technology transfer agreement was signed allowing us to fully exploit CEA's **patented technology**. Harnessing more than a century of industrial experience, we successfully scaled up and soon achieved performance levels that outstripped laboratory results.

Applications

Pray-Lion™ is ideal for plug-in hybrid and **electric vehicles**, including e-bikes. It is also the perfect solution for stationary applications, such as solar and wind **power storage systems**. Pray-Lion™ is currently being tested by most of the world's battery manufacturers and EV developers.