

### Commercialization

## PROJECT NAME: LiPF<sub>6</sub> Manufacturing Plant in St. Gabriel, Louisiana

**APPLICANT: Koura, part of Orbia Fluorinated Solutions, (formerly Mexichem Fluor, Incorporated)**

**Federal Cost Share: \$100,000,000**

**Recipient Cost Share: \$306,584,087**

**Supply Chain Segment: Materials Separation & Processing (Precursor)**

### **Project Description:**

Koura, a global leader in the development, manufacture, and supply of fluoroproducts, plans to build the first U.S. manufacturing plant for lithium hexafluorophosphate (LiPF<sub>6</sub>) on the grounds of the company's existing fluorochemical production site in St. Gabriel, Louisiana.

Currently, there are no large-scale domestic producers of LiPF<sub>6</sub> and all of it comes from Asian imports. Furthermore, the material degrades over time and is costly to import to the US. As a result, lack of domestic manufacturing represents a critical risk in the supply chain for lithium-ion battery production in the U.S. As part of the fluorinated solutions business group of Orbia, a publicly traded global corporation with total revenues of \$8.7 billion in 2021, Koura employs a Mine-to-Market capability to produce and distribute its fluorochemical products globally and it owns a vertically integrated North American supply of fluorine, the primary component of LiPF<sub>6</sub>. Koura's proposed plant will produce up to 10,000MT of LiPF<sub>6</sub> per year, which is sufficient to support domestic production of more than a million full electric vehicles (EVs) annually. Furthermore, Koura's LiPF<sub>6</sub> plant will have a secure access to critical minerals and downstream processing to establish domestic production of LiPF<sub>6</sub>. It will also utilize vertical integration, recycling, and state-of-the-art manufacturing to achieve production economics that will be competitive with foreign imports. This capability will support the broader development of a resilient and stable domestic lithium-ion battery supply chain and reduce the need for Asian imports, providing direct benefits to automotive companies that are producing EVs to reduce the use of fossil fuels.

### **Community Benefits:**

Koura has been operating a domestic fluorochemical plant in St. Gabriel, Louisiana since 1991 with a safe track record and strong community engagement. Koura's LiPF<sub>6</sub> plant will expand employment at the St. Gabriel facility by up to 80 new jobs and provide an opportunity to expand company activities in Diversity, Equity, Inclusion, and Accessibility (DEIA) across the greater Baton Rouge region, including job training, internship programs, and funding scholarships.

koura

orbia

Fluorinated Solutions

