amprius

FACT SHEET

Amprius Brighton Facility Fact Sheet

Who is Amprius Technologies?

Amprius Technologies is an American company based in Fremont, California. Founded in 2008 and based on technology developed at Stanford University, the company started manufacturing in 2016.

To help fund the gigawatt-hour scale facility, Amprius was selected in October 2022 for negotiation of an award for a $50 million Department of Energy (DOE) cost-shared demonstration grant from the Biden Administration's Bipartisan Infrastructure Law, to support domestic battery production.

Our products can be used to power aircraft, communications equipment like drones and satellites, and protect national security by powering communication devices for the U.S. Army.

Why Brighton, Colorado?

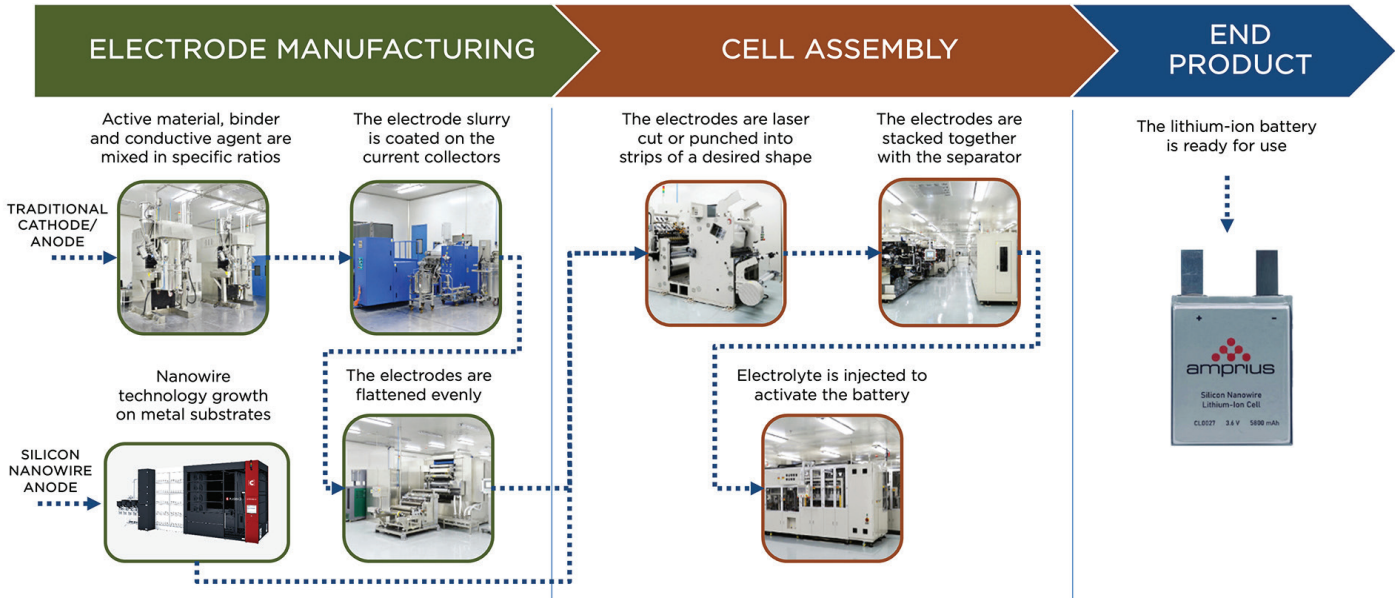
After conducting a national search, Brighton, Colorado was selected for its central location, proximity to transportation and suppliers, access to a skilled workforce and the interest in our company expressed by the state of Colorado.

As we build out our manufacturing facility, we will focus on the social impact of our business. Amprius will create more than 300 new, high-paying jobs, and we'll invest $190 million in Phase 1 with multiple phases to follow with an emphasis on procuring local goods and services. We will also participate in charitable giving to local organizations. We understand the need for this project to have a net positive impact on the surrounding community.

Our equity plan outlines efforts to increase workforce representation for women, veterans, people of color, and other disadvantaged communities in the surrounding area disproportionately Hispanic/Latino and Black.

How Amprius Batteries Are Made

Lithium-Ion Battery Manufacturing



There are four major components in a lithium-ion battery:

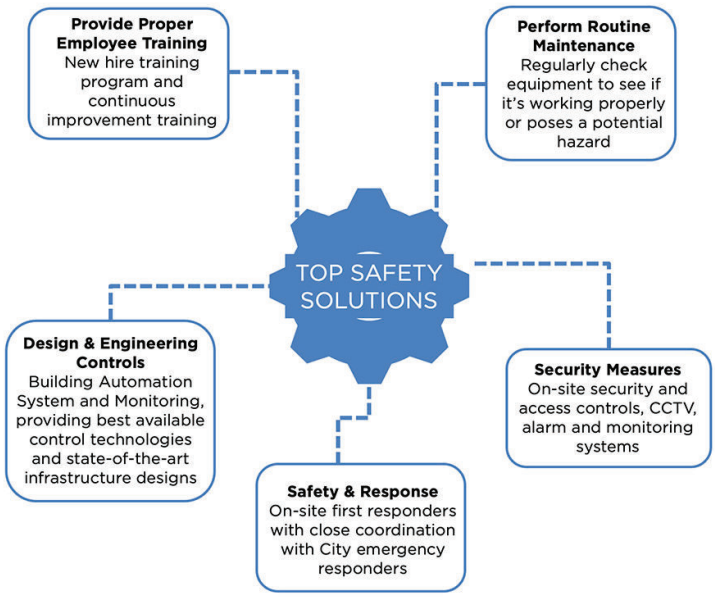
1) anode, 2) cathode, 3) separator, and 4) electrolyte.

Our manufacturing process is the same as typical lithium-ion battery manufacturing, with the exception of the anode component. Amprius' anode uses silicon to replace graphite, increasing the batteries' capacity by as much as 10 times. The manufacturing process is performed in a clean room environment.

Operating a Safe Facility

Amprius is committed to building and operating a safe, advanced lithium-ion battery manufacturing facility in Brighton, Colorado that protects its employees, the community and the environment. As part of our good neighbor promise, we will operate safely and ensure benefit for the local community.

Amprius has hired two of the most experienced engineering and construction companies in the country to design and build out the manufacturing facility. SSOE is an internationally-recognized engineering firm who has successfully built more



than two dozen safe battery facilities across North America. Turner Construction, the largest contractor in the U.S., has been in business for 120 years (50 of those years in Colorado) and has an exemplary health and safety record.

Most of the construction activity will occur inside the building. Amprius will work to minimize impacts from the construction and operations to the community and surrounding neighbors. This includes traffic, noise, dust and light pollution impacts. It is estimated that traffic entering and leaving the plant will be 40% less compared to the existing zoned distribution/
fulfillment center.

Environmentally Responsible

Amprius is committed to practices, policies and technologies that are designed to minimize environmental impact and promote sustainability. Our industry is regulated by the U.S. EPA, Colorado Department of Public Health and Environmental (CDPHE), and other state and local agencies. We will work closely with City of Brighton, Adams County, Brighton Fire Rescue, and the Colorado Department of Public Health and Environment and provide them details of our operations. The plant will be compliant with fire safety codes, including the International Fire Code (IFC) and National Fire Protection Association Codes (NFPA). Here is how we will manage environmental impacts:

Water

All water used onsite during the manufacturing process will receive industrial treatment before being discharged into the sewer system. The water we discharge will meet all federal, state and local regulatory requirements, and Brighton's drinking water supply will not be impacted.

Chemicals

Hazardous chemicals used in the manufacturing process will be stored in stainless steel tanks, which are also stored in a secondary containment unit. This means that if there are any spills, they are contained onsite, and the chemicals cannot get into the groundwater. This will protect our neighbors and the environment.

Gas Storage

Gases used onsite will be transported and stored in compressed gas tube trailers, which are reinforce steel frames that surround and protect the gas tubes. Tube trailers are commonly used as a safe way to transport and store gases. Gases are stored in locations the furthest away from the neighborhood.

Air Emissions

Emissions from the facility will be very minimal, and they will meet all regulatory requirements with EPA, CDPHE and other regulating agencies. Because the air released is so well filtered, the facility will not produce any odors from manufacturing. Our clean rooms use state-of-the-art dust collection and vacuum systems that prevent dust and other emissions from escaping into the atmosphere.

Next Steps

Currently, the property owner has submitted a Plan Development with the City of Brighton to rezone the property for manufacturing technology use. If approved, construction would begin in 2023, Amprius would start moving in equipment and hiring a workforce in 2024, and production would begin in 2025.

For More Information

Please visit amprius.com.

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