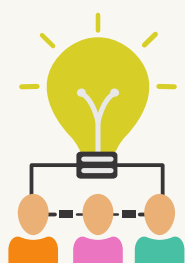




BATTERY MATERIAL ENGINEER



A battery material engineer is responsible for researching, developing and optimizing materials used in batteries.



They work with a team of engineers and scientists to design new materials and improve existing materials to increase the performance, safety and cost-effectiveness of batteries.



They need to have a strong understanding of materials science, chemistry and electrochemistry, as well as experience with characterization techniques such as SEM, XRD, and electrochemical testing. They also need to have knowledge of battery manufacturing processes and safety protocols.

They play a crucial role in developing materials for advanced batteries such as lithium-ion, lithium-sulfur, and solid-state batteries. They also need to be familiar with the regulations and standards related to battery materials and safety.