

A close-up photograph of a lithium-ion battery pack. The battery cells are arranged in a row, with copper-colored metal casing visible on the left. A blue semi-transparent rectangular box is overlaid in the center, containing white text. The background is dark and slightly blurred, showing some faint markings on the battery surface.

Production of lithium-ion batteries



Production of lithium-ion batteries



Relevance of the project

Li-ion batteries are among the most common rechargeable batteries in portable electronics. They have a high specific charge density, do not have a "memory effect" and have a rather slow loss of capacity due to self-discharge (5-10% per year) in comparison with other types of storage batteries.



Advantages of project implementation

The volume of the global market for lithium-ion batteries in 2019 reached 31.36 billion USD, according to the analytical company Research And Markets. According to the researchers, the growth of the lithium-ion battery market is driven primarily by the supply of high-density cells for them.



Import analysis

The total import volume of lithium-ion batteries in 2018 amounted to 368.3 tons. In monetary terms, this figure was **2.6 million USD**. In 2019, the volume of imports amounted to 241.5 tons in quantitative terms, and in monetary terms - **4.3 million USD**.



Local partners

If necessary, assistance will be provided in the search and identification of local partners with production experience that are part of the Uzeltexsanoat Association.



Location of the project



Republic of Uzbekistan,
including in Free Economic
Zones



Key investment indicators

\$14,0 M	Estimated project cost	4 years	Payback period of the project	70	Number of new jobs created
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Production volume and revenue

Product name	1 year		2 year		3 year		4 year	
	quantity (units)	amount (in M USD)	quantity (units)	amount (in M USD)	quantity (units)	amount (in M USD)	quantity (units)	amount (in M USD)
Lithium-ion batteries	3 350.0	13.6	4 250.0	18.4	6 800.0	33.0	9 700.0	47,1



Sales market

The local market of Uzbekistan, as well as neighboring Central Asian and CIS countries, are considered as the main markets for products.