



**Invest
Uzbekistan**

Investment Proposal: Production of Sandwich Panels



Industry

The construction industry sector

Why is it worth investing in this project?

- ✓ **Energy efficiency.** Sandwich panels maintain a stable indoor temperature with lower energy consumption, thereby reducing utility bill.
- ✓ **Durability.** These panels are designed for a long service life and can withstand various climatic conditions without any issues, thereby reducing future maintenance and repair costs.
- ✓ **Ecological sustainability.** Sandwich panels reduce energy consumption, making them an environmentally friendly option.
- ✓ **Quick installation.** The panels can be installed quickly, which reduces construction time and allows the building to be put into use more rapidly.



Economic indicators:



Cost: \$13.6 million.



Revenue: \$12.9 million per year



NPV: ~ \$ 10,8 тыс.



IRR: ~ 18,8%



DPP: 5,8 years

Market

Metal sandwich panels made of PUR/PIR accounted for 50% of the market share, followed by EPS sandwich panels at 30%, mineral wool sandwich panels at 15%, and other types of sandwich panels at 5%.

Metallic sandwich panels made of PUR/PIR also represent the fastest-growing segment in the industry, thanks to their excellent insulation properties..

The sandwich panel market was valued at \$15.2 billion in 2024 and is projected to grow at a CAGR of 7.3% from 2026 to 2033, reaching \$25.8 billion by 2033.

Project Objective

The organization is responsible for producing sandwich panels with an annual volume of 300,000 square meters in the Bekabad District of the Tashkent Region.

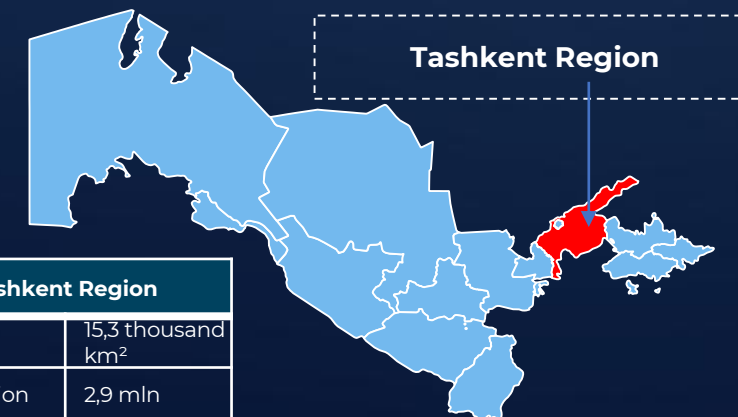
Project products

Wall sandwich panels with thermal insulation made of polyisocyanurate foam (PIR) can be used both externally on buildings and internally for insulating walls, floors, and roofs.

PIR panels are most commonly employed in the construction of cinemas, commercial and office centers, warehouses, production facilities, as well as sports venues including swimming pools.

We invite partner companies to consider us as potential investors.

Project Hosting



Tashkent Region	
Area	15,3 thousand km ²
Population	2,9 mln

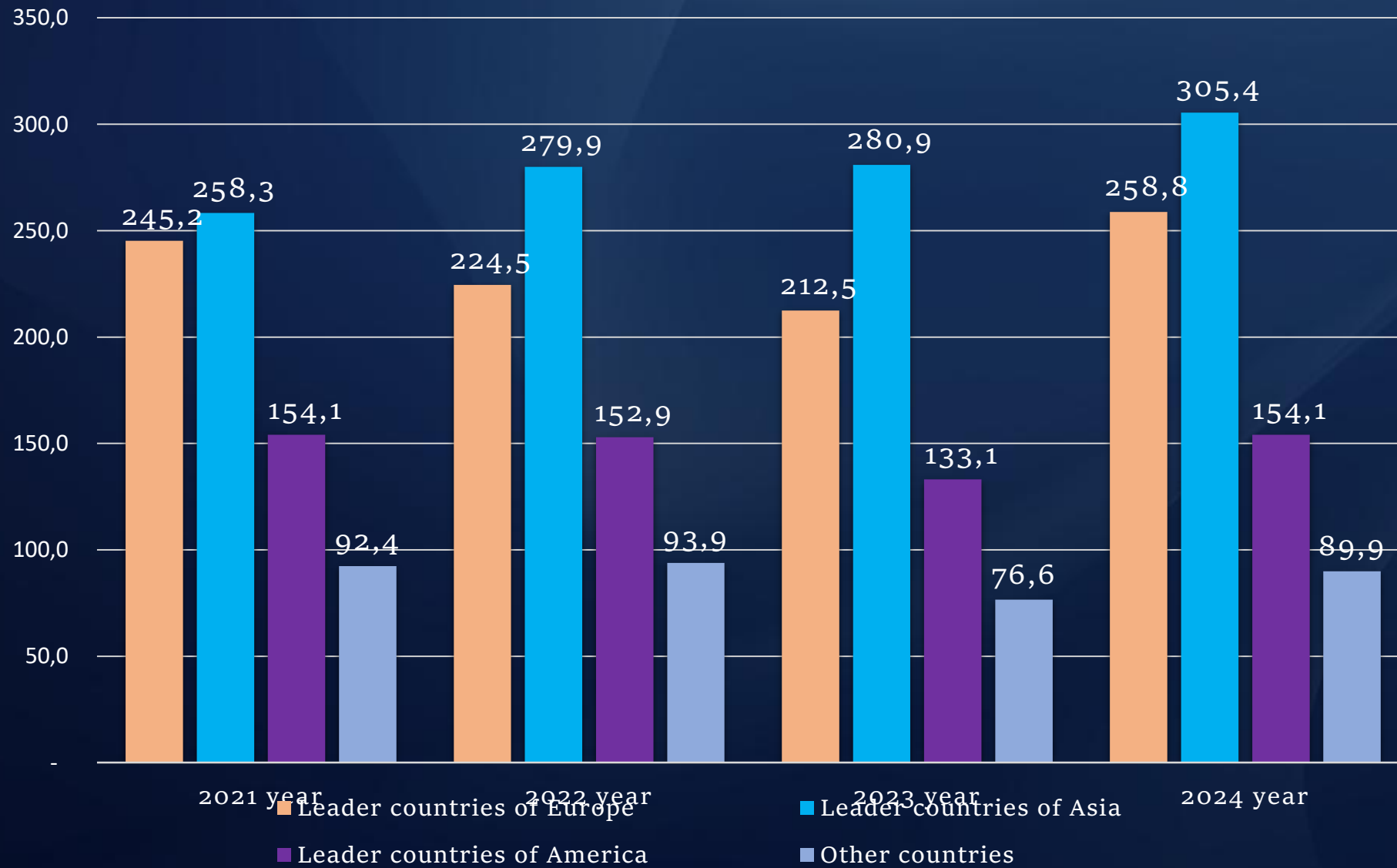
Project initiator

OOO "Dalvarzin Ta'mirlash Zavodi"
Kompaniya "A4F" (Кипр)



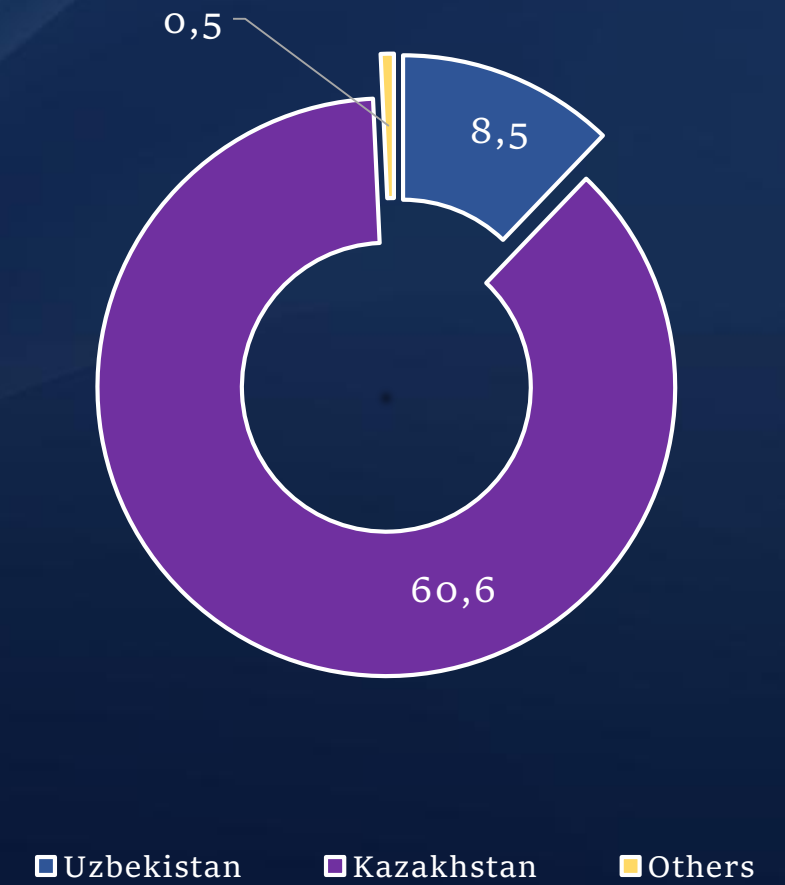
The dynamics of global exports of metal structures made from ferrous metals

(billion. \$)



Export of metal structures made from black metals from Central Asian countries in 2024

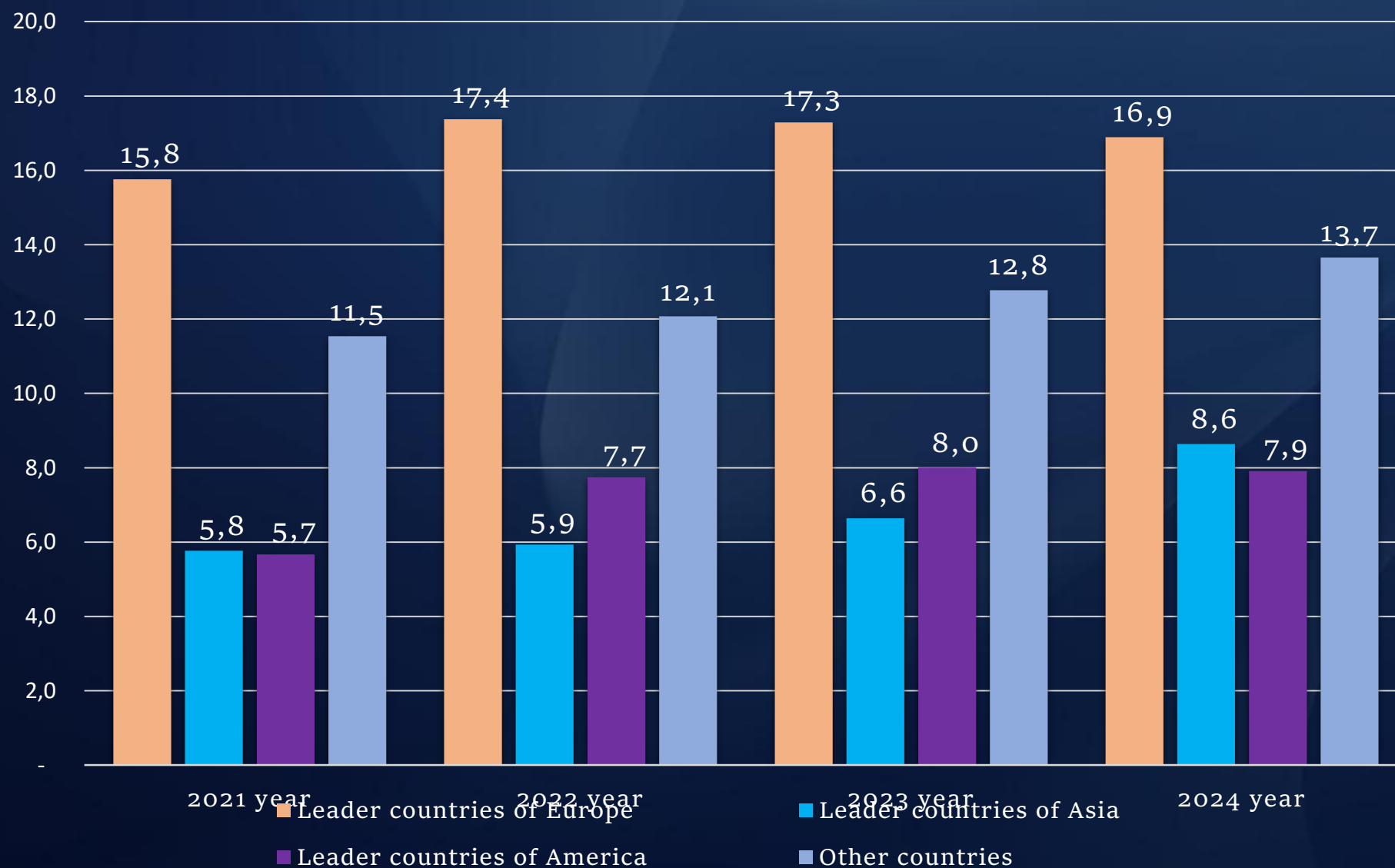
(mln. \$)





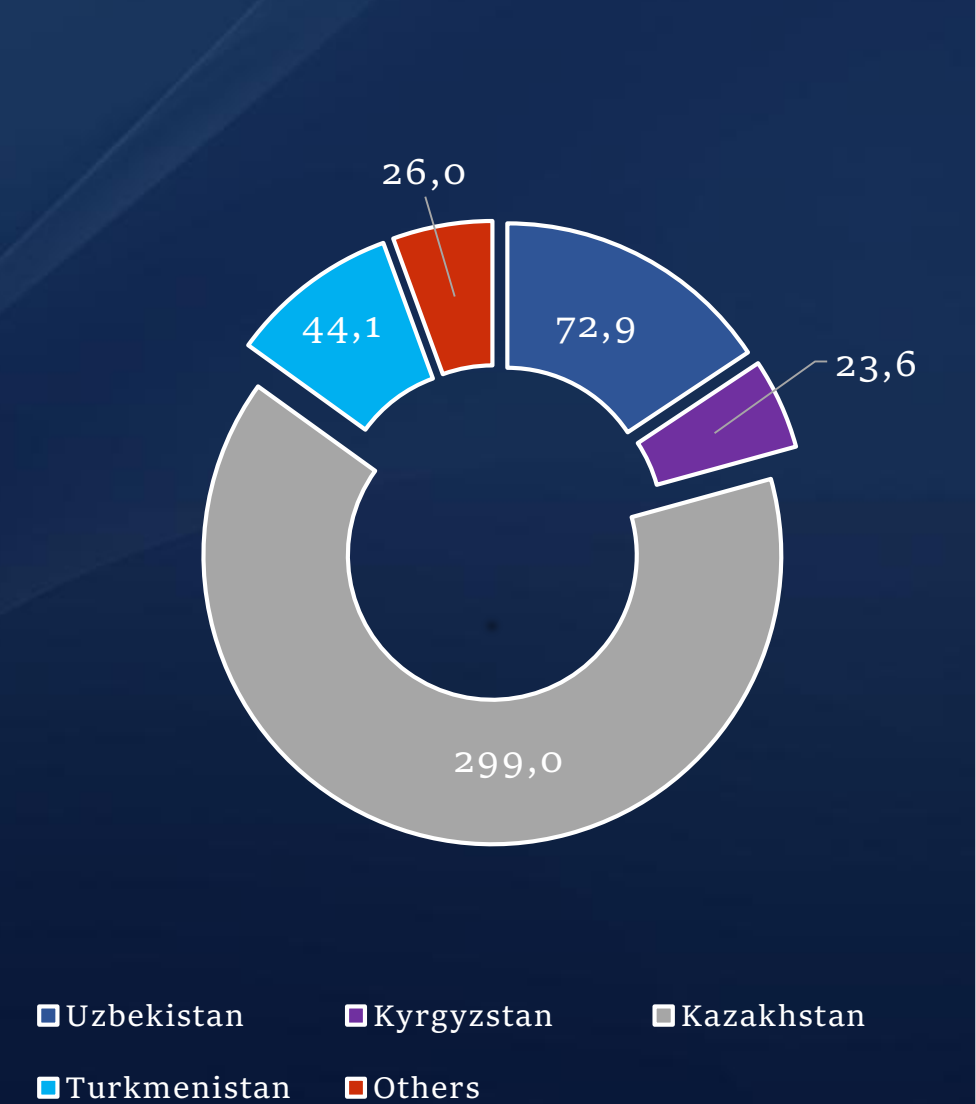
The dynamics of global imports of metal structures made from ferrous metals

(billion of. \$)



Import of metal structures made from black metals from Central Asian countries in 2024

(mln of. \$)





Production of Sandwich Panels

The total project cost comprises the cost of buildings and structures with the specified design, technological equipment for panel assembly and packaging, and working capital required at the project's commencement.

The project necessitates securing investments to purchase equipment and tools for fertilizer production.

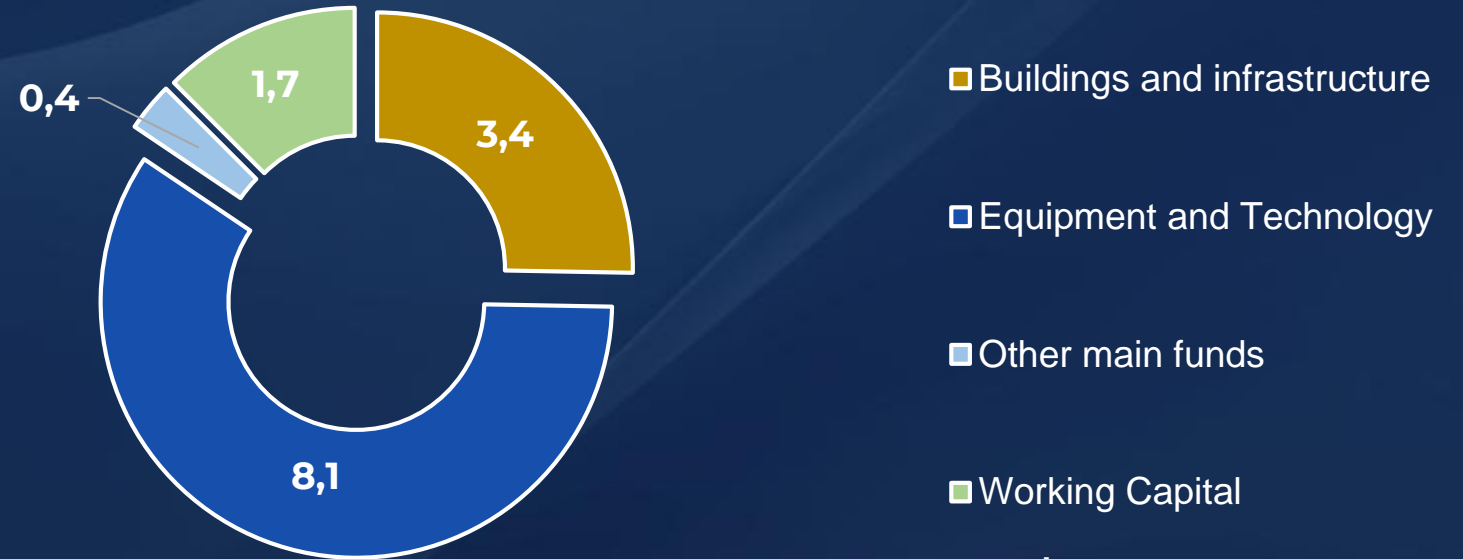
As evident from the calculations, the project demonstrates a high return on investment.

$$(\$12,9 \text{ mln} / \$13,6 \text{ mln.}) = \mathbf{0,94}$$

The project requires the involvement of regional partners and direct investments or loans, subject to their respective terms of provision.

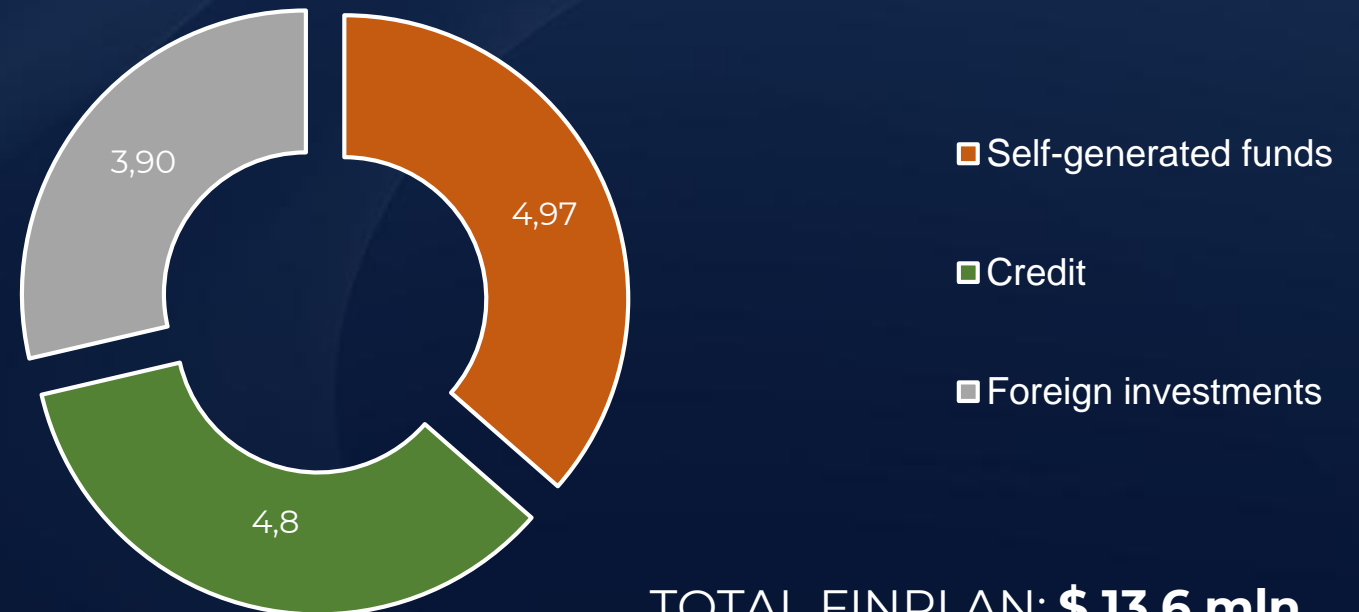
The financing scheme presented in this presentation is preliminary; the final project financing structure will be determined following negotiations with the partners.

Project Cost (mln of \$)



TOTAL CAPEX: \$ 13,6 mln.

Funding Plan (mln of \$)



TOTAL FINPLAN: \$ 13,6 mln.



Production of Sandwich Panels

The total annual production capacity for sandwich panels in the Bekabad District of the Tashkent Region is 300,000 square meters.

More than half of the output is planned for export

At full production capacity, the projected annual revenue for this phase of the project is estimated at US\$12,900.

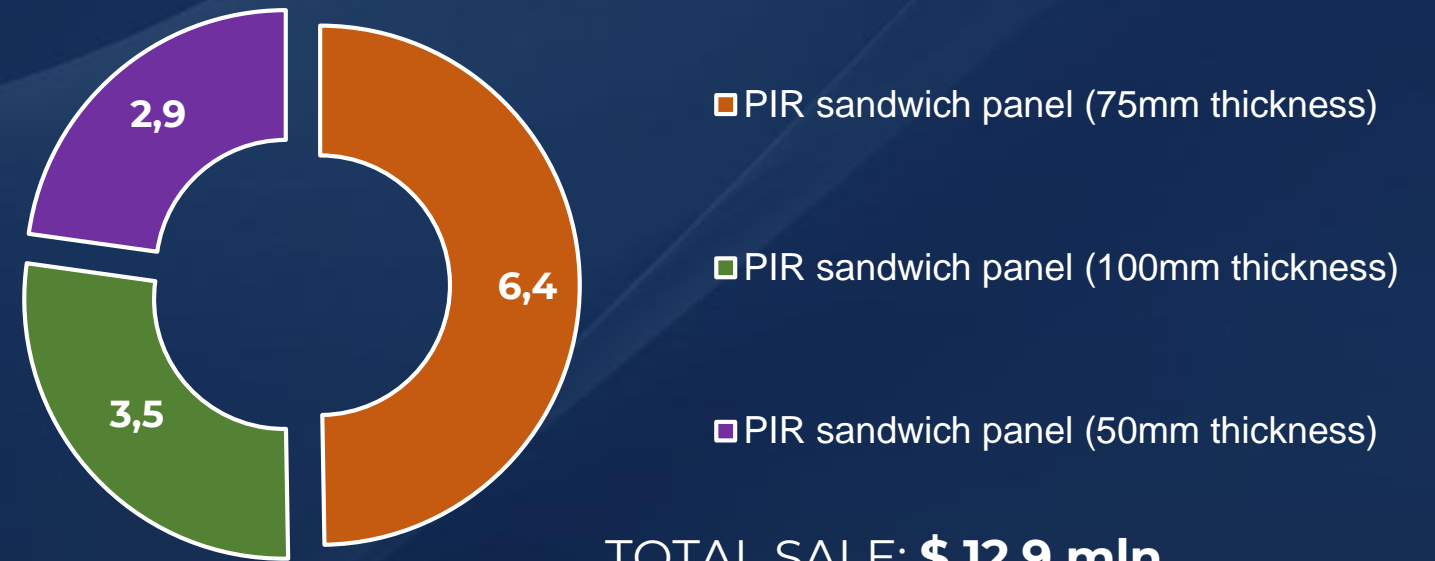
The majority of the project's operating expenses consist of raw materials, labor costs, and energy resource expenditures.

The total annual cost of the project's financial and operational activities at full capacity will amount to US\$9.97 million.

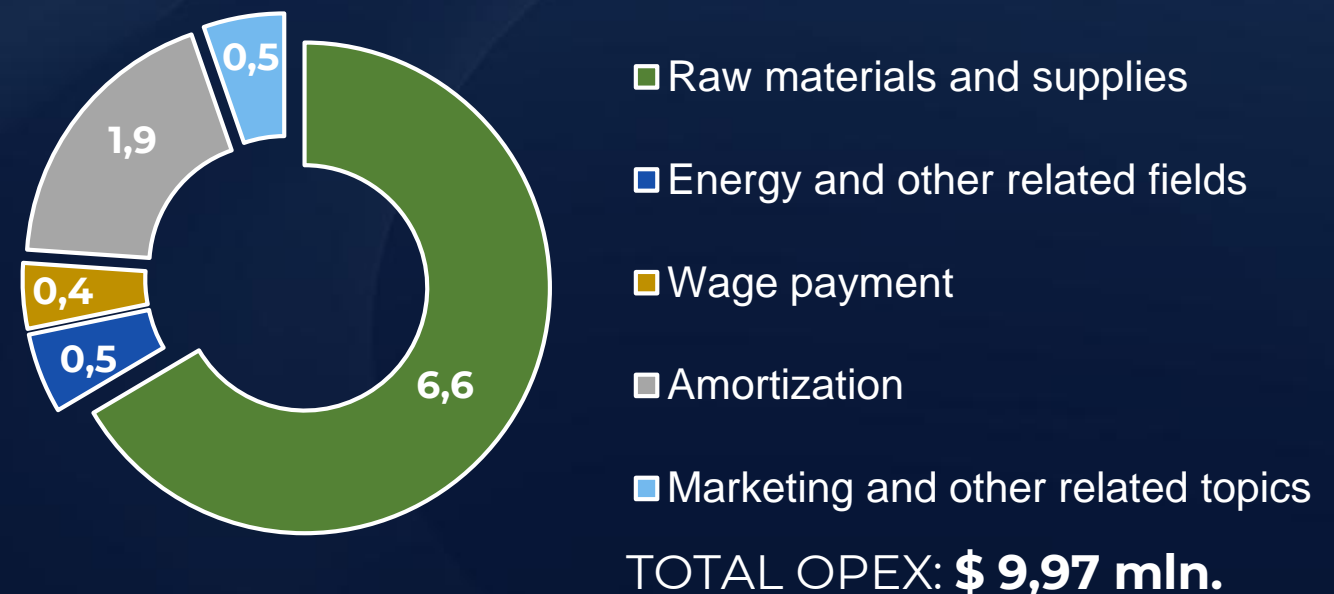
The project's operating profitability is as follows:

$$(\$12,9 \text{ mln.} - \$9,97) / \$ 9,97 \text{ млн.} = \mathbf{29,4 \%}$$

Revenue (mln of \$)

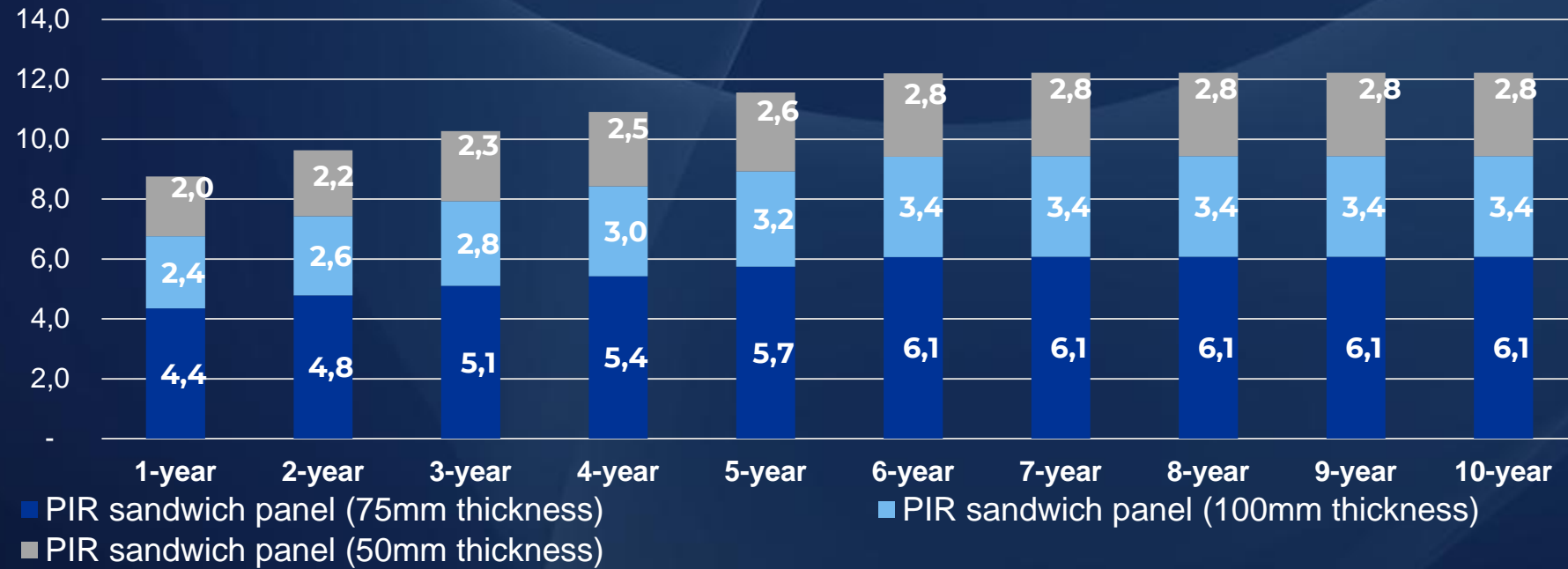


COST (mln of \$)





Revenue (mln of \$)

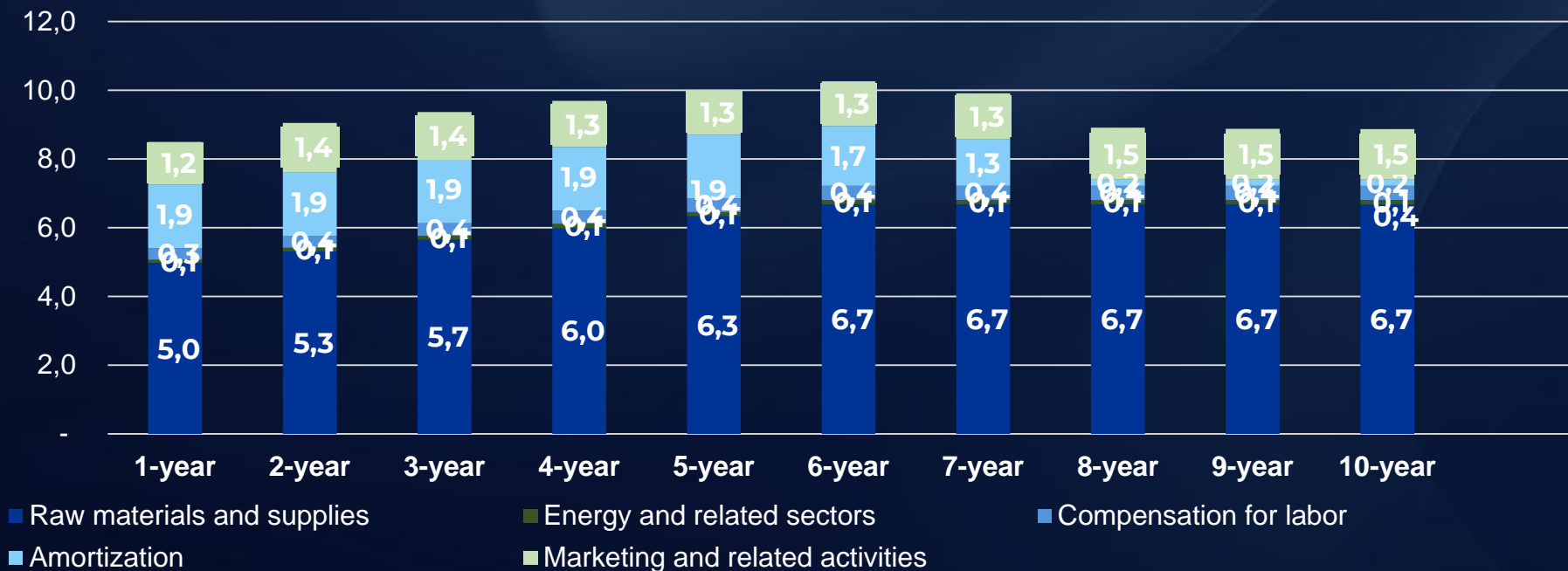


The project's revenue stems from the sale of 300,000 square meters of sandwich panels, with over half of the production planned for export.

Total annual revenue at full capacity is projected to reach US\$12.9 million.

The project's capacity utilization is conservatively estimated to be achieved by its sixth year of operation.

Operating expenses (mln of \$)



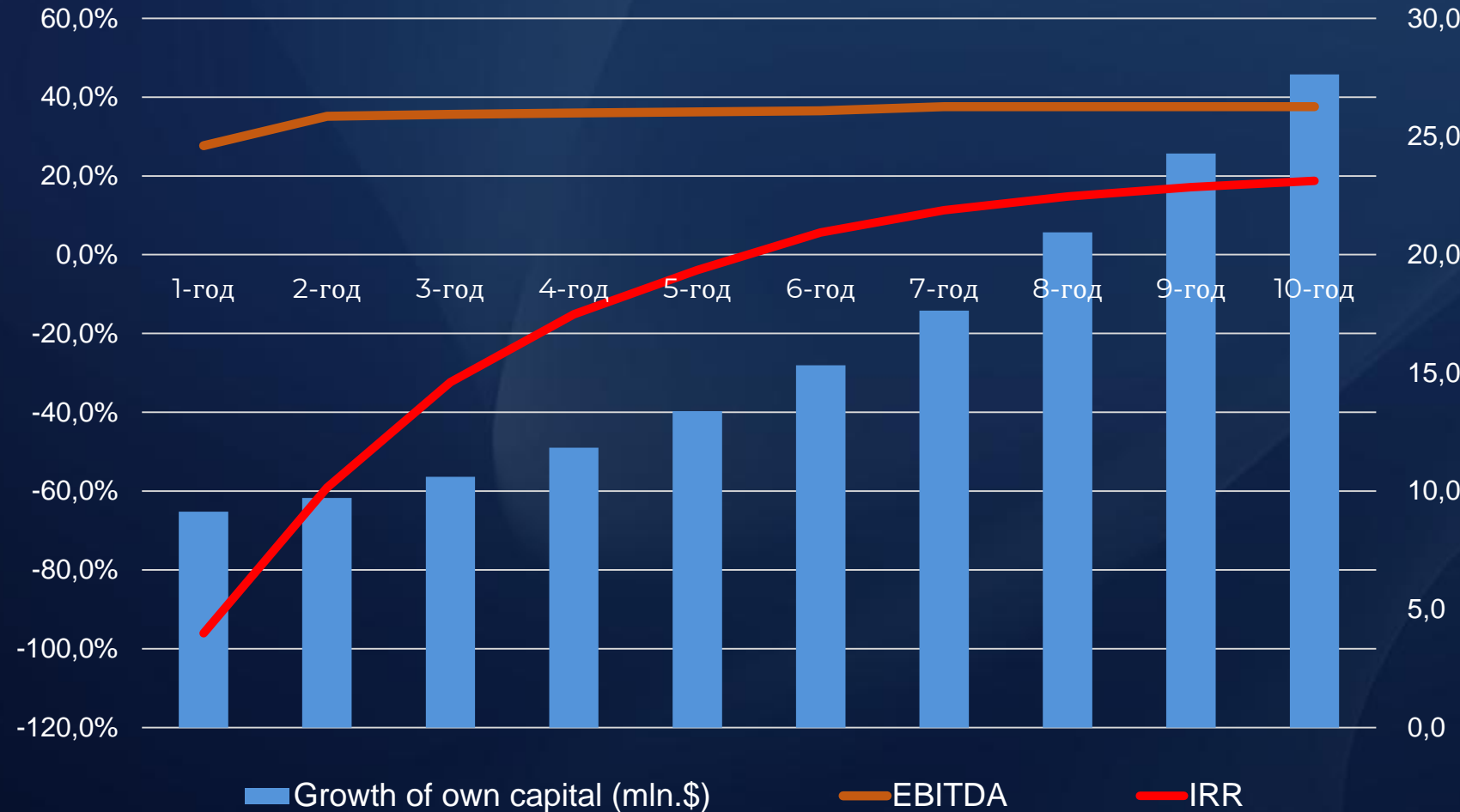
The majority of the project's operating expenses consist of raw materials, labor costs, and energy resource expenditures.

All operational costs will be determined based on market analysis, and the resulting savings may be allocated to investors, as well as used for employee incentives and rewards for outsourcing partners.



The project's financial indicators (10-year period)

Profitability (mln of \$)



Cost: \$ 13,6 mln.



Revenue: \$ 12,9 mln per year



NPV: ~ \$ 10,8 mln.



IRR: ~ 18,8%



DPP: 5,8 years

The project demonstrates high profitability and strong market demand, positioning it as an attractive investment opportunity.