Ministry of Investment,
industry and trade
of the Republic of Uzbekistan

Investment proposal:
Production of car sunroof products

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Production of car sunroof products

Economic impact:

- Import substitution – reducing reliance on imported sunroofs.
- Export opportunities to CIS and regional markets.
- Contribution to GDP growth and industrial diversification.
- Generation of stable tax revenues for the state budget.
- Development of local suppliers (glass, rubber, electronics).

Social impact:

- Creation of 300+ direct and 1,000+ indirect jobs.
- Training and upskilling of engineers and technicians.
- Improvement of living standards in the region.
- Stimulation of regional infrastructure and services.

Location of the project

Jizzakh region	
Size	21 200 km²
Population	1,5 million

Project description:

1. Establishment of a modern plant for automotive sunroof production with 100,000 units annual capacity.
2. Production range includes manual, electric, and panoramic sunroofs for passenger cars and SUVs.
3. Implementation of advanced glass processing and assembly technologies to meet international standards.
4. Target markets include Uzbekistan OEMs, CIS countries, and aftermarket sales.
5. Project ensures import substitution, job creation, and regional industrial growth.

Economic indicators:

- **Financing:** 45 mln USD
- **Area:** 6 hectares
- **Revenue:** $49,3 mln/year
- **PP:** 4-5 years
- **NPV:** ~ $53 mln
- **IRR:** ~20 %

Production indicators:

- **Manual sunroof:** 40,000 units/year
- **Electric sunroof:** 45,000 units/year
- **Panoramic sunroof:** 15,000 units/year
- **Total:** 100,000 units/year

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Car sunroof products processing chain & product yield

Key production stages

1. Raw material procurement

- Automotive-grade glass, aluminum/steel profiles, sealing rubber, motors, and electronic components.

2. Design & engineering

- CAD-based product design, prototyping, and engineering validation before mass production.

3. Glass processing & cutting

- Tempering, lamination, CNC cutting, edge finishing, and UV coating of glass panels.

4. Frame manufacturing

- Aluminum/steel frame extrusion, stamping, welding, powder coating, and anti-corrosion treatment.

5. Assembly & integration

- Installation of glass panels, frames, sealing rubbers, mechanical parts, motors, and control systems.

6. Quality control & testing

Water leakage test, durability test, vibration test, wind resistance, and safety compliance (ISO/automotive standards).

Product yield breakdown

	Product segment	Share (%)	Annual volume (units)	Example products
1	**Manual sunroof**	40%	40,000	Entry-level & mid-range cars
2	**Electric sunroof**	45%	45,000	Sedans, compact SUVs
3	**Panoramic sunroof**	15%	15,000	Premium SUVs, luxury vehicles
	Total	**100%**	**100,000 units**	

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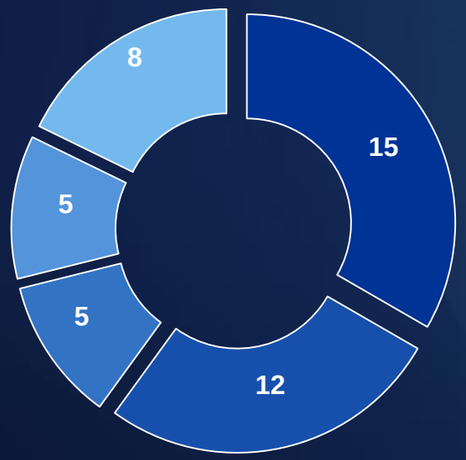
Project expenses

Initial Investment (CAPEX) *(mln dollar)*

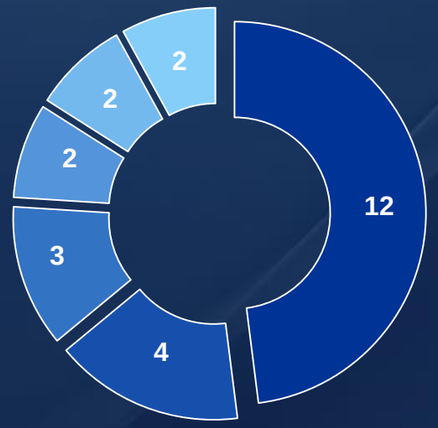
Total CAPEX: **$45 mln**



- Production equipment
- Buildings & infrastructure
- Quality control & lab facilities
- Initial raw material stock
- IT systems & logistics

Operating Costs (OPEX) *(mln dollar)*

Total OPEX: **$25 mln**



- Raw materials
- Labor & social payments
- Energy & utilities
- Maintenance & repairs
- Marketing & distribution
- Administration

This financial overview outlines a comprehensive cost structure and strong profitability of the proposed car sunroof products manufacturing project. The breakdown includes both initial capital investment (CAPEX) and annual operating costs (OPEX), alongside projected revenue and profit estimates.

Product	**Volume** *(mln units/year)*	**Price***(USD/unit)*	**Revenue** *(mln $)*
Manual sunroof	245	350	14
Electric sunroof	175	550	24,8
Panoramic sunroof	105	700	10,5
TOTAL	**100,000 units**	**-**	**49,3 mln ($)**

Annual EBITDA:
= $49,3 mln - $25 mln-0,3 =
$24 mln

The project's strong profitability forecast is underpinned by efficient operations and high market demand, positioning it as a highly attractive investment.

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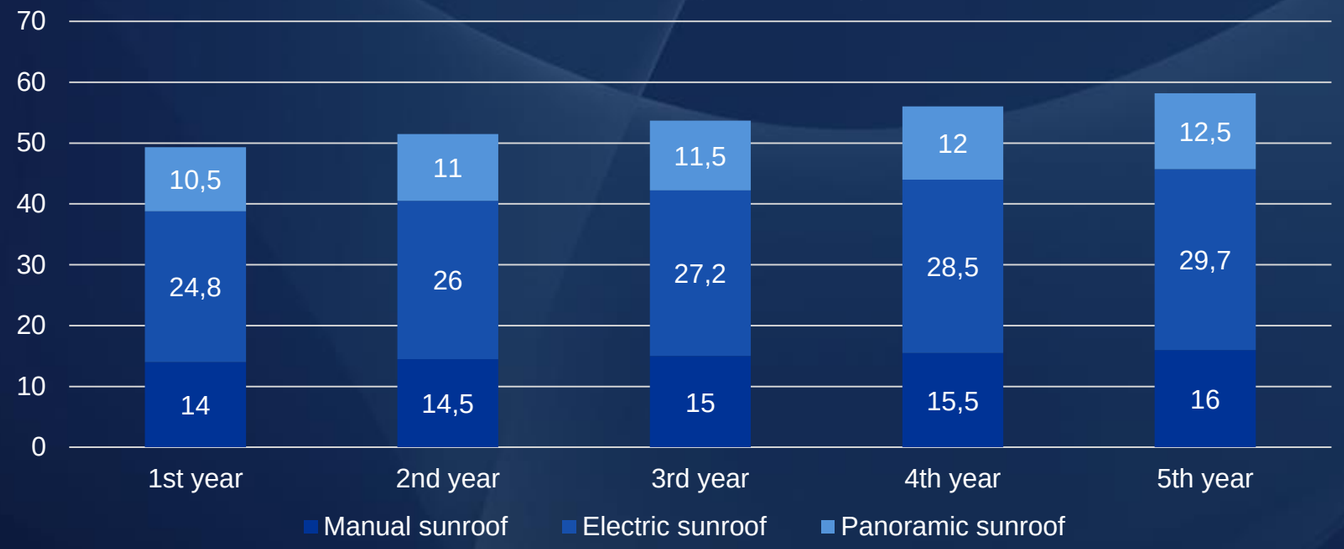
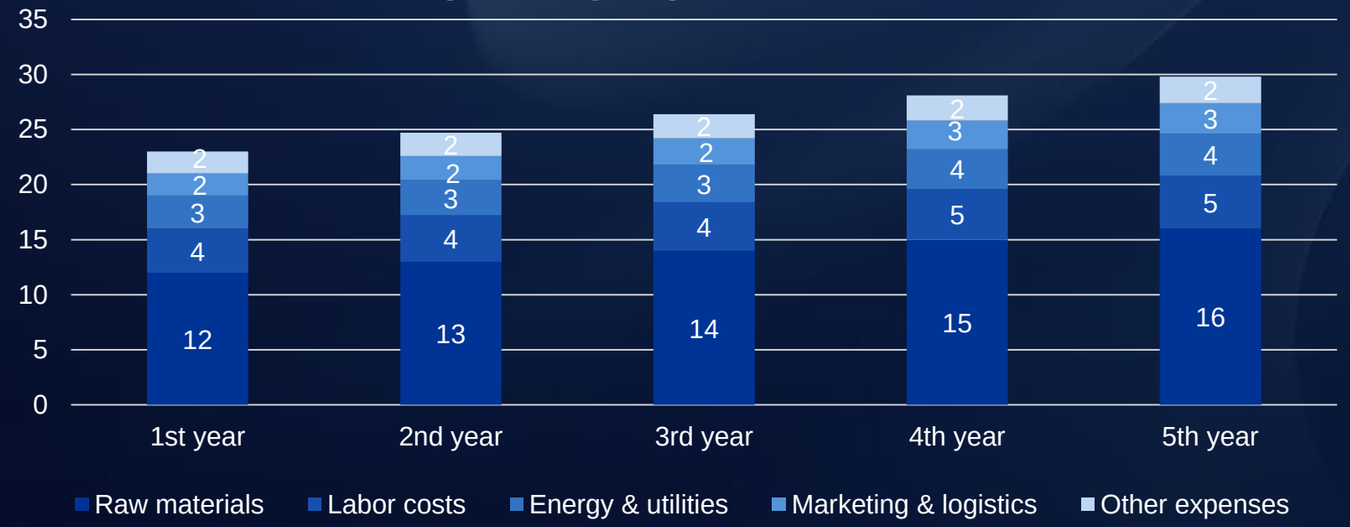
Financial indicators
(5-year projection)

Revenues *(mln dollars)*



Operating expenses *(mln dollars)*



Breakeven: Achieved in year 4

Total 5-year revenue: $187,5M

EBITDA growth: ~23% CAGR, reaching $16M by Year 5.

NPV (10% discount rate):
NPV= **$53 mln** *(Highly favorable!)*

IRR (Internal rate of return): **≈ 20%**

Payback period (PP):
= **4-5 years**

Profitability index (PI):
=(NPV+CAPEX)/CAPEX=($53+$45/$45= 2,1