



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

# **Investment proposal: Production of multimedia for automobile**



# Production of multimedia (display & head unit)

## Economic impact:

- Import substitution – 260,000 units annually.
- USD 30M investment – strengthening the local automotive industry.
- Export potential of USD 20–25M per year.
- Development of local suppliers and value chain.

## Social impact:

- 250 new jobs created.
- Training of local engineers and technicians in high-tech fields.
- Opportunities for youth employment in innovation.
- Contribution to regional socio-economic development.

## Location of the project



Kharezm region	
Size	6 050 km <sup>2</sup>
Population	2,0 million



## Project description:

1. The project will be implemented in a Free Economic Zone (FEZ) with full infrastructure, tax incentives, and access to major automotive assembly plants.
2. The factory will be equipped with modern SMT lines, automated testing labs, and software integration facilities to meet global OEM standards.
3. The products will primarily supply local car manufacturers (GM Uzbekistan and others) while gradually expanding to CIS, Turkey, and the Middle East markets.
4. The plant is designed for scalability, with expansion potential into infotainment systems, navigation upgrades, and EV-compatible modules

## Economic indicators:



**Financing:** 18 mln USD



**Area:** 2 hectares



**Revenue:** \$43,7 million



**ROI:** 58%



**NPV:** ~ \$19 million



**IRR:** ~22%

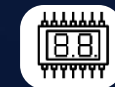
## Production indicators:



**Annual production:** 260 000 units



**Displays:** 160 000 units



**Head units:** 100 000 units



# Processing chain & product yield

## Key production stages

- 1. Component procurement & delivery** – import of electronic components (chips, connectors, LCD panels) from certified suppliers, delivered through FEZ logistics with tax benefits.
- 2. SMT assembly** – automated placement and soldering of components onto PCBs using SMT lines, with optical inspection for defects.
- 3. Module & sub-assembly** – assembly of display modules (LCD + touch) and integration of head-unit boards (processor, memory, audio).
- 4. Final assembly & software Integration** – housing installation, connectivity setup (Bluetooth, GPS, CAN bus), and software flashing/calibration.
- 5. Quality control & certification** – functional, vibration, and thermal tests; certification according to automotive standards (IATF 16949, CE/E-mark).
- 6. Packaging & distribution** – secure packaging, warehousing, and Just-in-Time delivery to local car manufacturers and export markets.

## Product yield breakdown

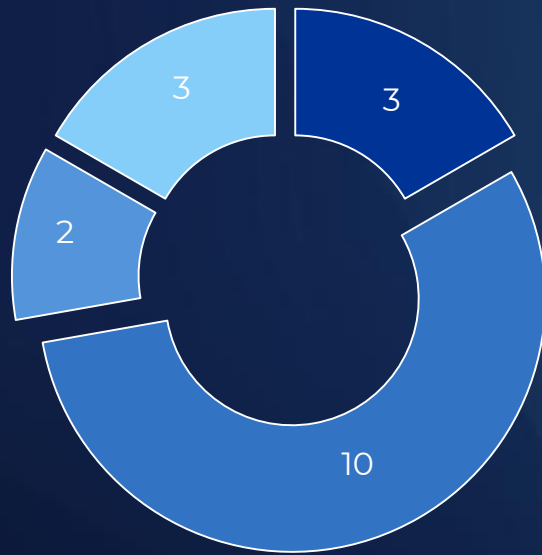
	Product	Share	Annual volume	Yield rate	Effective units
1	Multimedia displays	61,5%	160 000	95%	152 000
2	Head units	38,5%	100 000	95%	95 000
3	Defective/ rejected	-	5 000	-	-
4	Total output	100%	260 000	-	247 000





## Project expenses

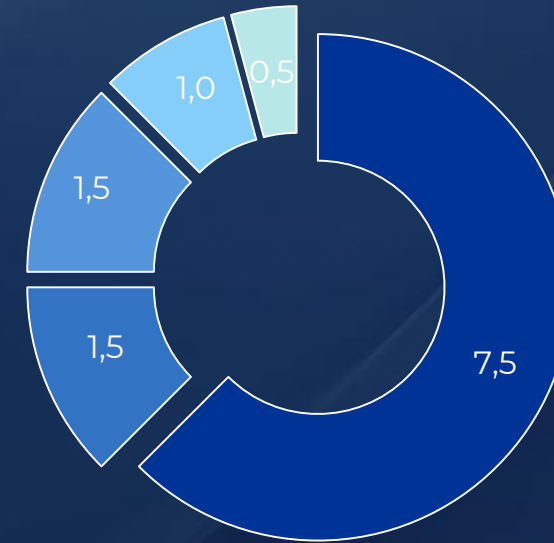
### Initial Investment (CAPEX) (mln dollar)



Total CAPEX: **\$18 mln**

- Construction & facilities
- Equipment & production lines
- Packaging & storage
- Technology & licensing

### Operating Costs (OPEX) (mln dollar)



Total OPEX: **\$12 mln**

- Raw materials
- Energy & utilities
- Labor
- Maintenance & consumables
- Marketing & distribution

This financial overview outlines a comprehensive cost structure and strong profitability of the multimedia (display & head unit) production project. The breakdown includes both initial capital investment (CAPEX) and annual operating costs (OPEX), alongside projected revenue and profit estimates.

Product	Volume	Price	Revenue (\$)
Displays	152 000	\$150	22 800 000
Head units	95 000	\$220	20 900 000
<b>TOTAL</b>			<b>43 700 000</b>

### Annual EBITDA:

= \$43,7mln - \$12mln = **\$31,7 mln**

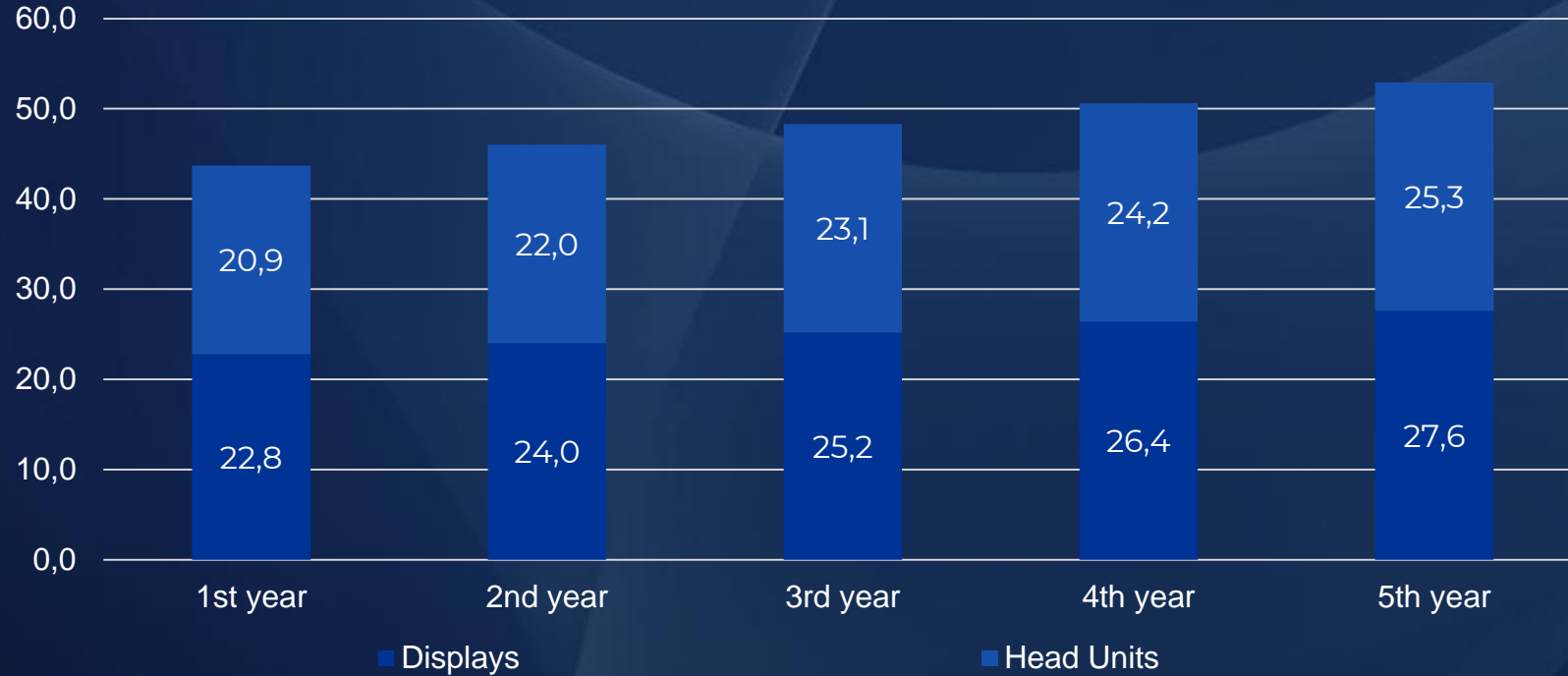
The project's strong profitability forecast is underpinned by efficient operations and high market demand, positioning it as a highly attractive investment.



# Financial indicators

(5-year projection)

## Revenues (mln dollars)

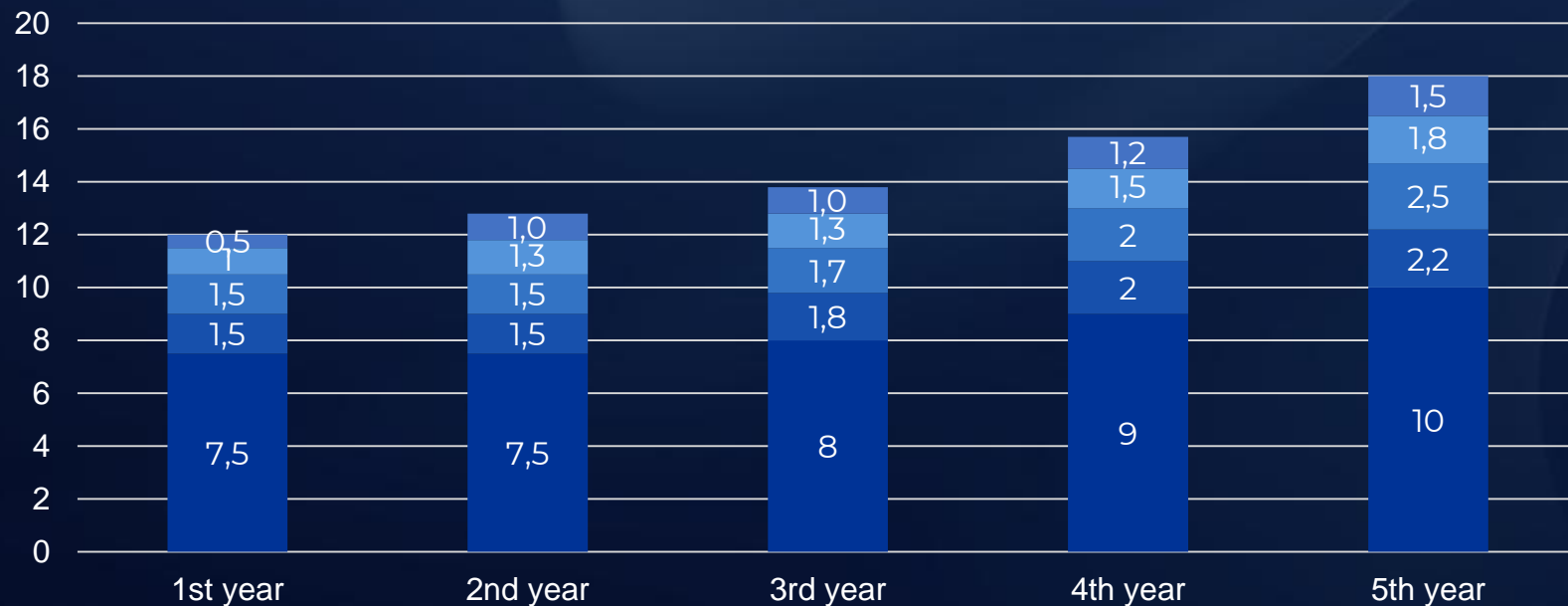


**Revenues** increase steadily from \$43,7M in year 1 to \$52,9M in year 5. Growth is driven by all products.

**Total expenses** rise moderately from \$12M to \$18M in year 5, with raw materials being the largest cost component. The controlled growth in costs reflects operational efficiency and economies of scale.

Despite rising taxes and expenses, profitability improves due to stronger revenue and efficient cost management.

## Operating expenses (mln dollars)



### NPV (15% discount rate):

NPV = 19M (Highly favorable!)

IRR (Internal rate of return): **≈ 22%**

### Payback period (PP):

=Payback = **4** years

### Profitability index (PI):

PI = **1,6**