



SOLAR BATTERY LEAF COLLECTOR ROBOMOBILE

Head: academician-scientist, designer, Laureate of the Nobel medal Burkit Aueskhan Kanoreuly
PhD, associate professor Kобеeva Zagira Saparbekovna

Purpose: to use the energy of solar batteries. Reducing the costs of using electricity. Equipment with automated, robotic, touch, camera sensors that do not harm the environment.



PROBLEM

Production as a domestic product.



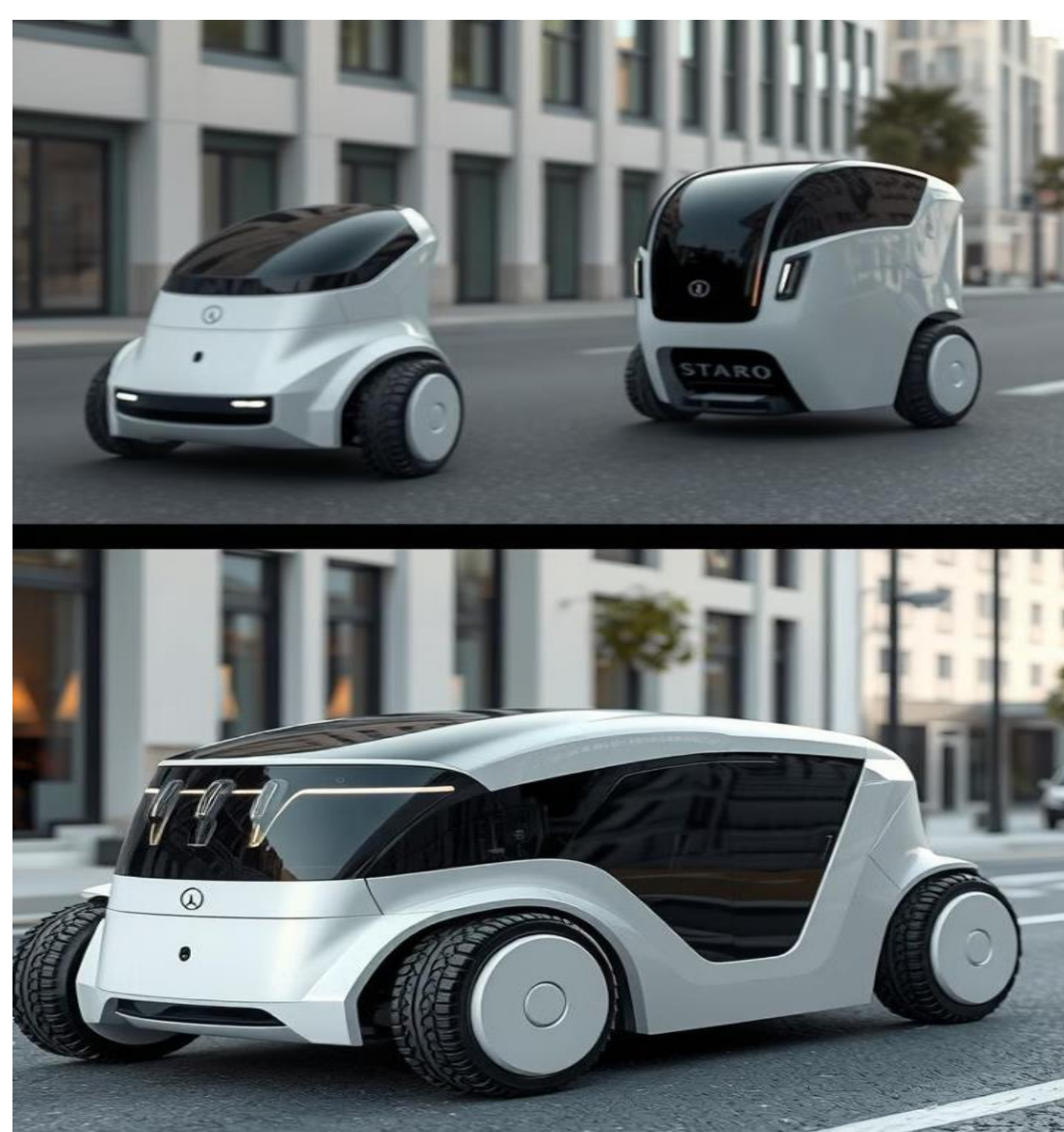
Solution



For the first time in the domestic market as a utility electric car and a robomobile to be withdrawn from the Mini-plant.

PRODUCT

- ◆ Leaves on the street as a domestic product of Kazakhstan. collect things, etc.
- ◆ Экологиялық eco-friendly rabomobile, because it is energized by the sun's Rays.
- ◆ Жетімді affordable price based on local production.



TECHNICAL AND ECONOMIC INDICATORS

Sales market:

Solar battery robomobile with leaf collector necessary for the Kazakh country, regions, district, city/ village; "STARN-UP" - sensors and fast response: Effective work: optimize work by moving on programmed marchuruts.

Main resources:

Making a domestic mini shop (plastic processing); Manufacture of robotic parts in domestic mini-workshops; A group of scientists and inventive students

Sales channels:

Online sales: Instagram, Tik -Tok, Telegram.

Marketplays (Kaspi, Wildberries, Ozon).

Offline sales: Eco-shops, robomobile (salons). University fairs and events. World-class "EXPO", Shymkent University-IT robotics and AI Kazakhstan, CIS countries and near and far abroad .

Main costs:

Raw materials: chips, cameras, solar battery, touch sensors, motors, laptop, mobile phone, 3D printer, plastic, etc – 10,000



COMPETITIVENESS

Competitors:

- Imported domestic products.
- Kazakhstan manufacturers (inventor-constructor scientists).
- The creators of the miniseries.

Advantages:

- ✓ Available at the expense of local production.
- ✓ Eco-product + support for sustainable consumption.
- ✓ Using artificial intelligence;
- ✓ Autonomous Work;
- ✓ Support for Student Startup universities, winning and implementing grants.

PAYBACK PERIOD

Initial capital :

- JSC "Science Foundation" - JSC "National Agency for the development of innovations"
- Qazinnovations Republican and International Committee for intellectual property protection ministry of Justice;
- Ministry of Science and higher education; IT robotics and artificial intelligence centers; Academy of invention and scientific pedagogical of Academician AUYESHAN.

Expected sales:

- Solar battery robomobiles-5000\$
- sales per month - 1,000,000
- pieces income per month-7000
- \$- annual income-84,000 \$

INTELLECTUAL PROPERTY PROTECTION



Team

Progr programmers:

Тағаев Нұрлыбек Сейдуллаевич;
Жуманова Раушан Есенбековна;
Жолбарыс Ерғали Нұрлыбайұлы;
Джумагулов Нурғали Султанкельдиевич;
Дулатов Самат Рахымбаевич.

