



Electro-technical industry of the Republic of Uzbekistan

About Uzbekistan



Real GDP growth rate - **7.2%**



Population - **35 million**



Literacy Rate - **99 % (UNESCO)**



Working age population - **20 million**

Potential markets



The total population of Central Asia is more than **75 million people**, and including Afghanistan, this figure exceeds **113 million people**.



An agreement on a **free trade zone** was signed by Uzbekistan with **8 CIS countries**, according to which the countries participating in the agreement **do not impose customs duties** on products manufactured in the territory of the Republic of Uzbekistan.

International recognition

BB-

Long-term foreign
currency rating

**STANDARD
& POOR'S**

BB

Long-term issuer
rating

FitchRatings

B1-

Rating with a stable
outlook

MOODY'S

The British magazine
"The Economist" named Uzbekistan
the country of the year (2019)

**The
Economist**

Natural resources

7th in the world
with annual 80 tons
of gold production

5th in the world
with 3,5 tons of
annual uranium
production



11th in the world with
annual up to 70 billion
cubic meters natural
gas production

10th in the world with
copper deposits and
annual production
volume is 149 thousand
tons

Market of Uzbekistan

The market of **electro-technical products** of the Republic of Uzbekistan is considered as the second largest markets among the countries of Central Asia with volume of more than **2.9 billion US dollars**.

“Uzeltexsanoat” Association



The «Uzeltexsanoat» Association is acting as organization whose main tasks are **to develop the strategy for the sustainable development of the electro-technical industry**.



Today «Uzeltexsanoat» Association includes more than **100 manufacturers** of electro-technical products.

Directions of Association



Home appliances



Cable & wire products



Electric power & others

The main tasks of the Association



Defining a development strategy and promoting the active development of the industry



Attracting foreign investment to the industry



Promotion of the export of domestic electrical products



Identifying and elimination of systematic problems

Directions of Association

Home appliances

Products:

- TV sets
- Refrigerators
- Air conditioners
- Washing machines
- Gas and electric stoves
- Vacuum cleaners and others

SAMSUNG

artel

IDEAL
ELECTROLUX

VIESSMANN

SAM FERRE

Vitech

Ferrolti

PREMIER

Cable and wire products

Products:

- Cables
- Wires
- Wire rods
- Copper tips and others

ЗАВОД НДИЖАН КАБЕЛЬ

ProCab
PROFESSIONAL CABLE

Techno Cable Group
Завод по производству ступи кабелей в Узбекистане

Uzkabel
Technology for people

YMI

ICG
ИНТЕРКАБЕЛЬ

Electric power & other

Products:

- Transformers
- Generators
- Circuit breakers
- Medical equipment and others

SHANGHAI MITSUBISHI ELEVATOR

Schneider Electric



LEO

TOSHELECTROAPPARAT

Pietro Fiorentini



Implemented projects in 2020-2021 years

SAMSUNG

Products:

Vacuum cleaners
TV sets and LCD monitors
Air conditioners
Washing machines
Refrigerators



Production of digital medical X-ray diagnostic equipment
Production capacity - **100 units**



VIESSMANN

The production of household boilers under the technology of the company.

Production capacity - **10 thousand units**



Production of electric motors for home appliances
Production capacity - **1.8 million units**



The production of gas meters under the technology of the company.

Production capacity - **3.5 million units**



Production of washing machines
Production capacity - **1.1 million units**



The production of lifts and elevators under the technology of the company.

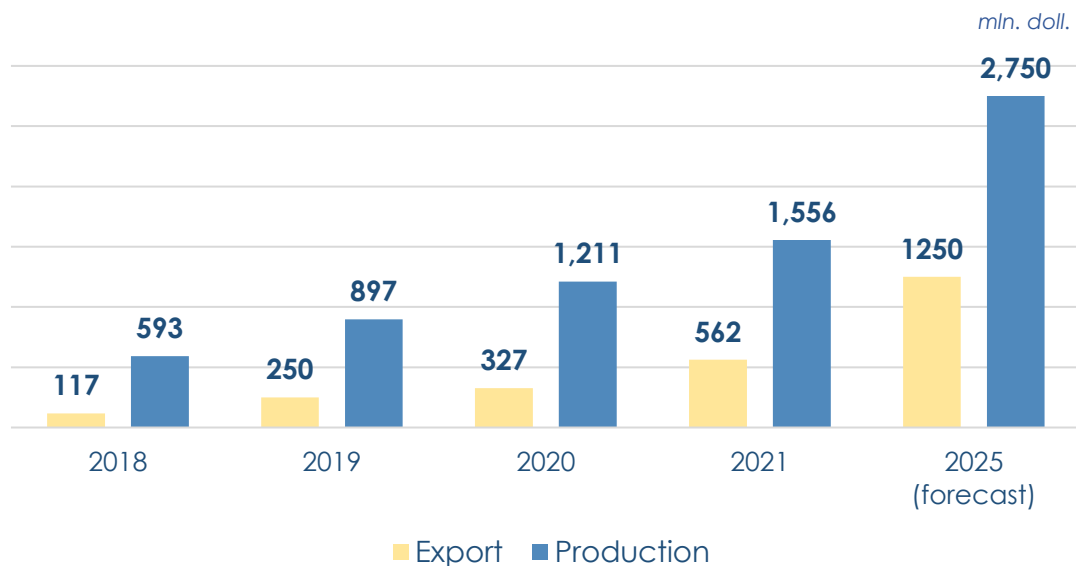
Production capacity - **2 thousand units**



Production of copper pipes and fittings
Production capacity - **15.0 thousand tons**



Production and Export volumes



Development of human capital



Korean University of Inha in Tashkent

Faculty of hardware



Korean University of Aju in Tashkent

Electrotechnics

Computer engineering



Turin Polytechnic University in Tashkent

Automation Systems in Industry

Industrial Engineering



Tashkent State Technical University

Electronics and automation

Engineering technology and mechanical engineering

Import (2021)

#	Products	Cost (mln. USD)
1	Servers, computers	241,2
2	Household appliances (refrigerators, washing machines, water heaters, monitors, etc.)	235,9
3	Components of electro-technics	235,2
4	Recording devices (tape recorder, microphone, cameras, etc.)	191,8
5	Power equipment (Transformers and other):	90,82
	▪ Liquid dielectric transformers with the capacity ≤ 650 kVA	6,0
	▪ Liquid dielectric transformers with the capacity 650 kVA - 1600 kVA	0,94
	▪ Liquid dielectric transformers with the capacity 1600 kVA - 10000 kVA	4,85
	▪ Liquid dielectric transformers with the capacity ≥10000 kVA	59,75
	▪ Other transformers with the capacity 16 kVA – 500 kVA	1,39
	▪ Other transformers with the capacity ≥ 500 kVA	6,69
▪ Other power equipment	11,2	
6	Other (switches, remotes, electrodes, relays, electric shavers, etc.)	165,48
	▪ Switches for a voltage ≤= 1/000 V	75,6
	▪ Remote control apparatus	2,5
	▪ Coated electrodes	11,6
▪ Other equipment	75,78	
7	Wires, cables	92,4
8	LED lamps and other	39,3
9	Accumulators, batteries	36,5
10	vending machines	34,0
	TOTAL	1 362,6

Imports of Central Asian countries (2020 year)



Kazakhstan

No	Production	2020 year (mln. doll)
1	Household products	1 037,6
2	Cable and wiring products	122,1
3	Power electrical equipment	309,8
4	Other types of electrical products	1 521,4
Total		2 990,9



Kyrgyzstan

No	Production	2020 year (mln. doll)
1	Household products	105,4
2	Cable and wiring products	38,6
3	Power electrical equipment	14,5
4	Other types of electrical products	241,2
Total		399,7



Tajikistan

No	Production	2020 year (mln. doll)
1	Household products	65,4
2	Cable and wiring products	42,5
3	Power electrical equipment	19,4
4	Other types of electrical products	82,3
Total		209,6



Turkmenistan

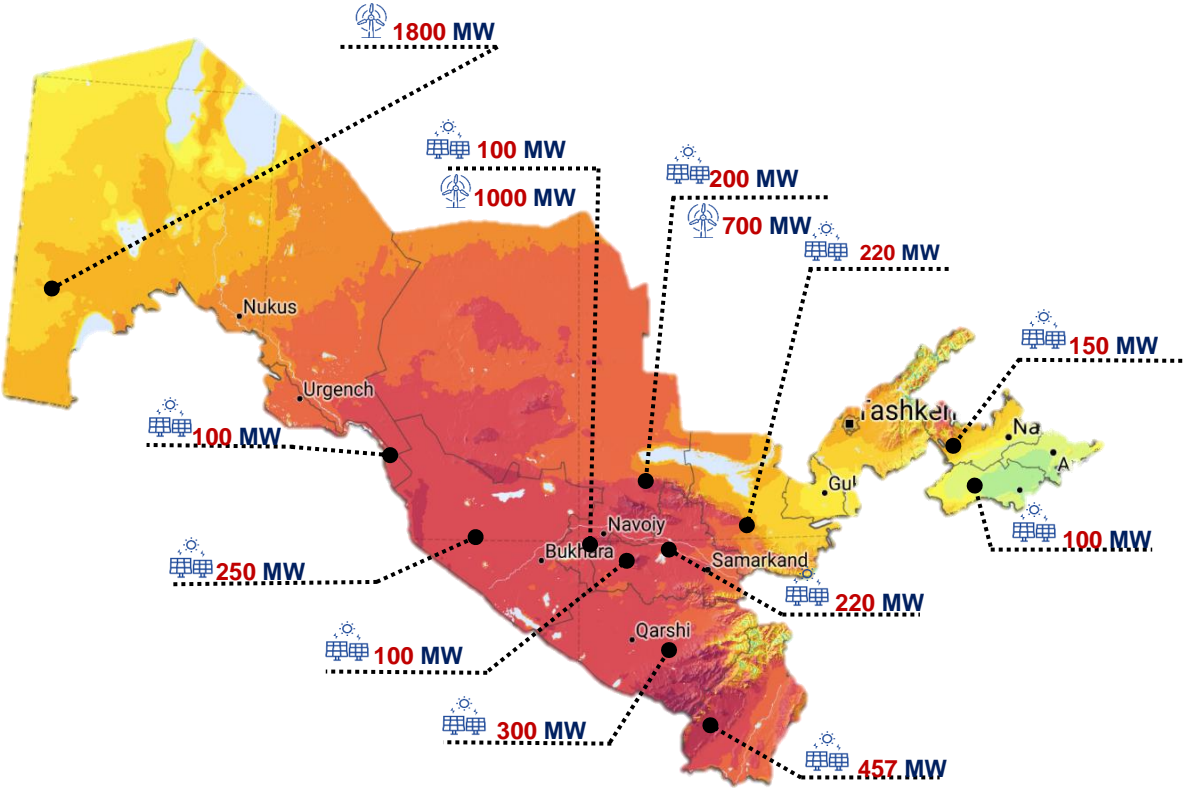
No	Production	2020 year (mln. doll)
1	Household products	72,0
2	Cable and wiring products	26,7
3	Power electrical equipment	8,8
4	Other types of electrical products	196,7
Total		304,2

Solar and wind power plants construction



Solar power plant

Region	Power (MW)
Bukhara	250
Navoi	200
Jizzakh	220
Samarkand	320
Kashkadarya	300
Surkhandarya	456,6
Khorezm	100
Ferghana	100
Namangan	150
Determined	4903,4
Total	7000



Wind plant

Region	Power (MW)
Republic of Karakalpakstan	1800
Bukhara	1000
Navoi	700
Determined	1500
Total	5000

Alternative energy development program



Projects for the construction of **solar power plants** with a capacity of **7 GW** until 2030



20.8

million solar panels



44.5

thousand invertors
(185 KW)



1.54

thousand transformers



Power cables
and steel structures



Projects for the construction of **wind farms** with a capacity of **5 GW** until 2030



3.3

thousand blades



1.1

thousand generators



1.1

thousand towers



Transformers and
power cables

Information about copper



According to JORC estimates, and information from SRK Consulting Managing Director Michael Bear, Uzbekistan's reserves are **44.7 million tons of copper** and 184 million ounces of gold, which is one of the largest in the world.

indicators about copper



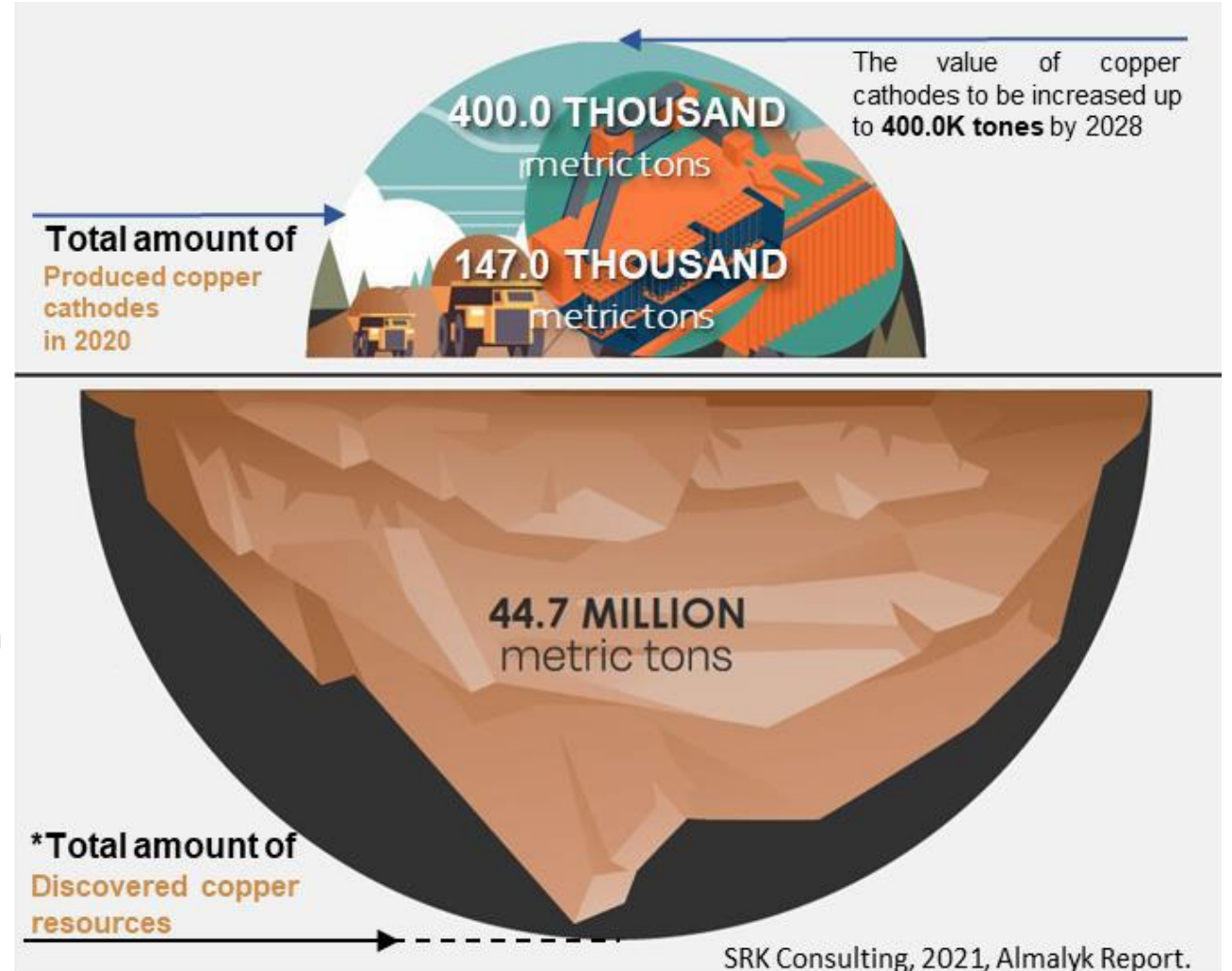
Uzbekistan ranks **10th place** in the world in **copper reserves**



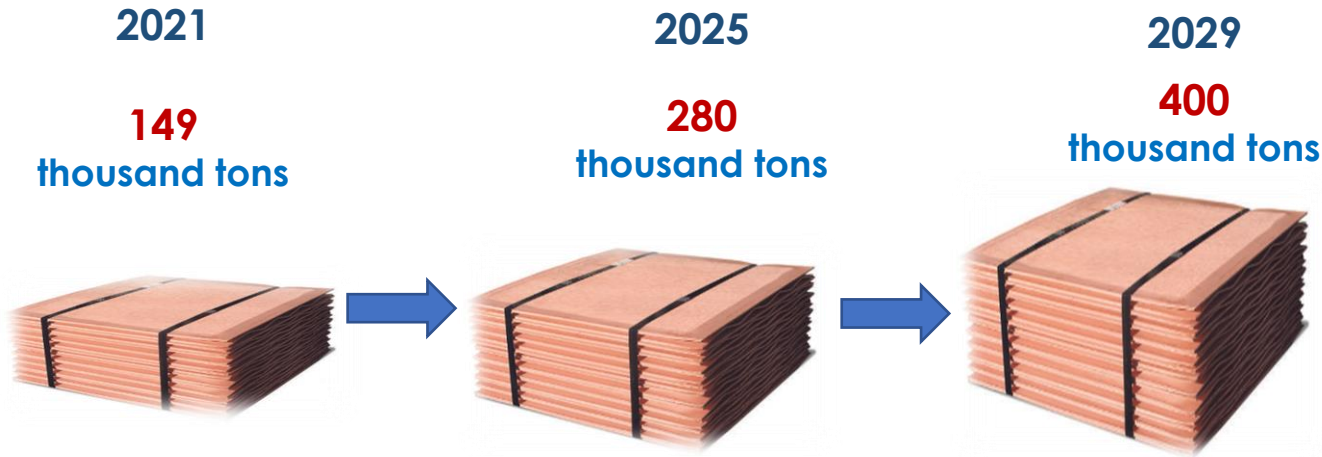
Uzbekistan ranks **20th place** in the world in **copper mining**



Copper quality- **99,99%**



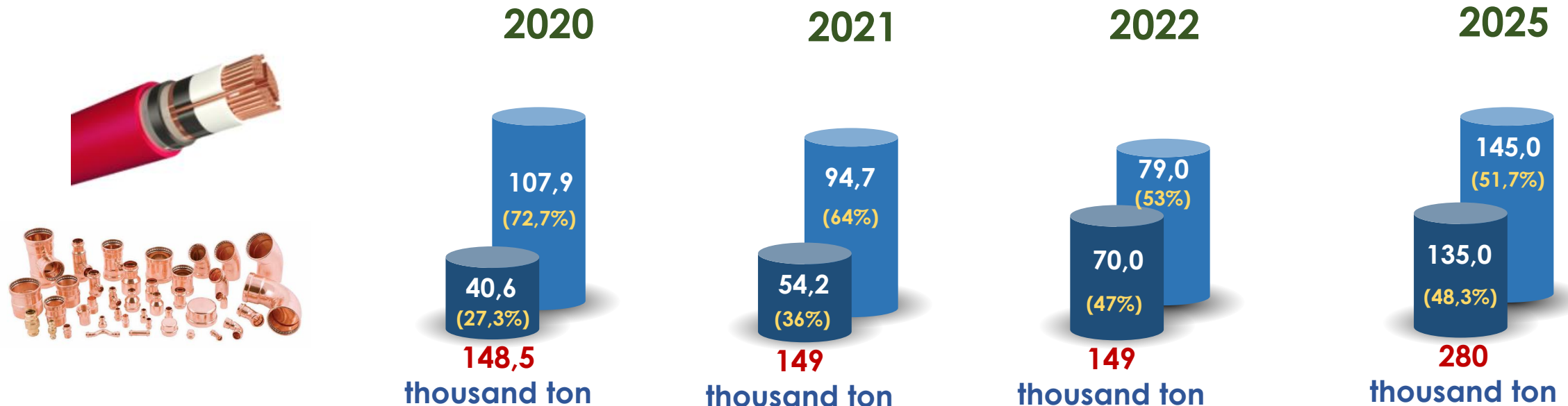
Copper mining growth



UZeltexsanoat

The «Uzeltexsanoat» Association was instructed by the government to increase the volume of copper processing, to organize the production of **high value-added** copper products.

Copper processing



Information about «Copper cluster zone»



Distance from **Tashkent** to «Copper cluster zone»

65 km
1 hour

Distance from “Almalyk” MMC to «Copper cluster zone»

20 km
25 minutes



1.6 million square meters were allocated in the Ohangaran block of the "Angren" Free Economic Zone (Tashkent region).

FEZ

Status - **Free Economic Zone**



Infrastructure will be provided

Information about «Copper cluster zone»

Logistic center



Territory - **47,100 m²**
Center capacity – **38 trucks**

Custom zone



Territory - **21,324 m²**
Zone capacity – **35 trucks**

Administration buildings



Territory - **23,793 m²**
Construction site - **1,672 m²**

Bus stations



Territory - **17,087 m²**
Station capacity – **64 buses**

Service center



Territory - **7,530 m²**
Construction site - **646 m²**

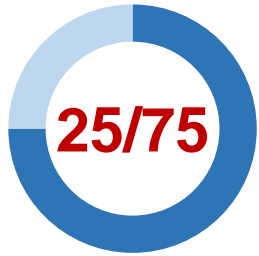
Shops and dormitories



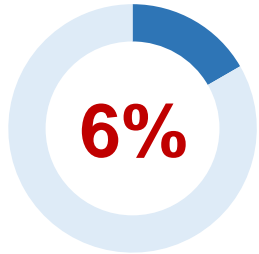
Territory - **23,793 m²**
Construction site - **3,223 m²**

benefits and preferences provided

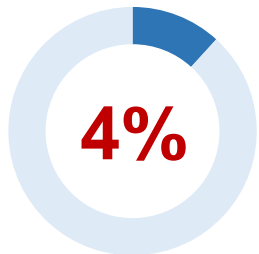
copper benefits



Prepayment of **25** percent for cathode and remaining **75** percent will be paid within **90** days after receiving



Discount for copper raw material (cathode) from LME price in **2022**



Discount for copper raw material (cathode) from LME price in **2023**

**Starting in 2024, the discount on copper will be canceled*

Free economic zone benefits



Land tax exemption



Providing property tax relief



Free use of water resources

Logistics from Uzbekistan

50%

Subsidies **50 percent** of transport costs when exporting to all countries

Distance from Uzbekistan to **Turkey** (Istanbul) - **4 636 km**

Transportation cost - **\$ 4500**

Subsidized price - **\$ 2250**

Distance from Uzbekistan to **Germany** (Munich) – **5 683 km**

Transportation cost - **\$ 7000**

Subsidized price - **\$ 3500**

Distance from Uzbekistan to **Russia**(Moscow) – **3 377 km**

Transportation cost - **\$ 2500**

Subsidized price - **\$ 1250**

GSP + excellent opportunities to export copper products to EU



In accordance with the GSP+ agreement, the Republic of Uzbekistan will be able to export **6,200** commodities including **products of copper** to the European Union (EU) market **without any import duties**

Subsidies by standards

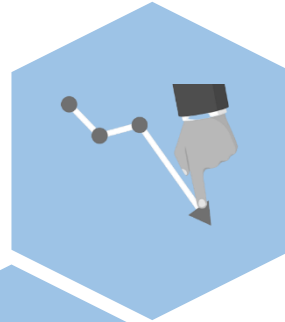
50%

Covering **50 percent** of the costs associated with the implementation of international standards in local enterprises producing electrical and household products



Other benefits and subsidies

Reducing **income** and **property tax rates** by **50 percent** for the enterprises in electro-technical industry.



50%

Free custom



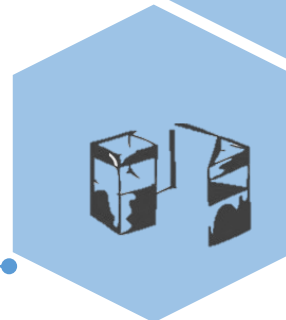
Exemption from payment of **customs duties** for imported raw materials, materials, components and equipment not produced in the Republic of Uzbekistan

The amount of the negative difference in value added tax (VAT) when exporting goods is refunded **within three days**



3 days

50%



Covering **50 percent** of the costs associated with their participation in international exhibitions and fairs