



LRT Almaty, PPP



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Table of content

- ❖ Country and city overview
- ❖ Transport policy
- ❖ Some characteristics of the route
- ❖ Preparatory works
- ❖ Role of LRT in the city public transport
- ❖ Perspective public transport lines
- ❖ Integrated ticketing system
- ❖ Financial Part of the project



Country and city overview

Kazakhstan is the country located in between Europe and Asia with rapidly growing economy. Since its independence, 1991, the country have reached certain significant achievements.

According to **World Bank Doing Business ranking**, Kazakhstan is placed as **36th** in the world, ahead of countries like Italy, Hungary, Mexico.

Almaty

- The former capital of the country, was founded in 1854
- Financial and cultural centre with around 1,8 million inhabitants
- The city is considered to be a Beta Global city, and its importance in Central Asia can not be underestimated





Key macroeconomic indicators

	2017	2018F	2019F	2020F	2021F	2022F	2023F
CPI in Kazakhstan	7.10%	6.30%	5.60%	5.50%	5.50%	5.50%	5.50%
Foreign exchange rate, KZT/USD (period average)	325.43	338.85	343.53	347.14	355.84	366.87	378.61
Real GDP growth in Kazakhstan	3.41%	3.00%	3.50%	4.00%	4.50%	5.00%	5.00%
Brent price, USD/bbl (consensus)*	54.89	57.88	59.27	60.34	64.75	66.05	67.37

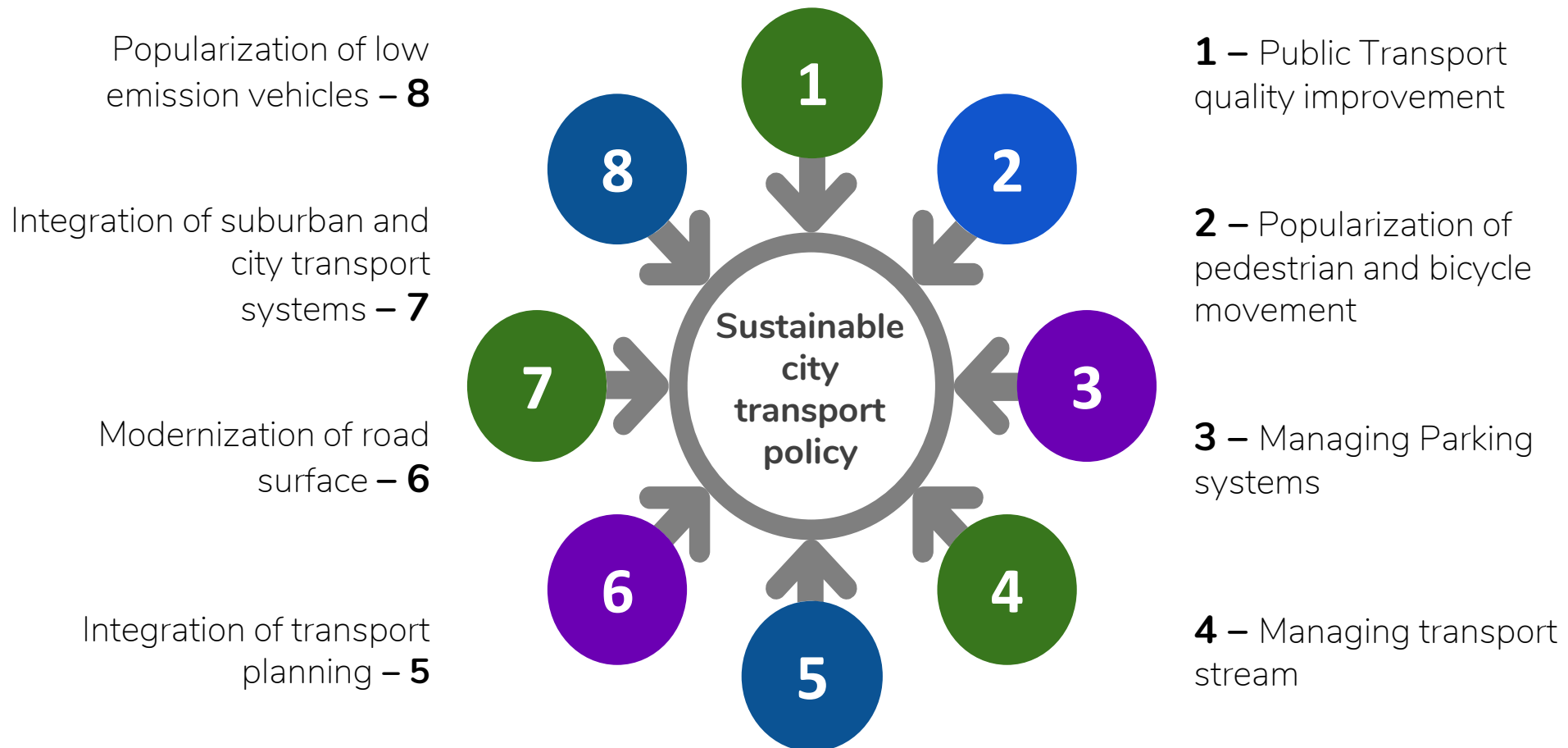
The budget of **Almaty city** for 2018 is KZT 431.2 bln (USD 1.3 bln).



Transport Policy

8 principle of sustainable city transport policy

(The transport policy took a start in 2011)



BRT and Metro systems

First BRT line was launched in 2017, and successfully operating. Second line is expected to be constructed in 6 month.

According to Master Plan, **5 BRT lines** are planned to be built by 2023



11,3 km long **Metro system** is operating since 2011, and serving 55,000 people daily

3 more stations are under construction nowadays



LRT in Almaty

The next in time and modern step within the city transport policy reform is LRT.

We position this project as:

- **Socially important**
- **Technically demanding**
- **First level of responsibility**





Some characteristics of the route

Central city population service centre



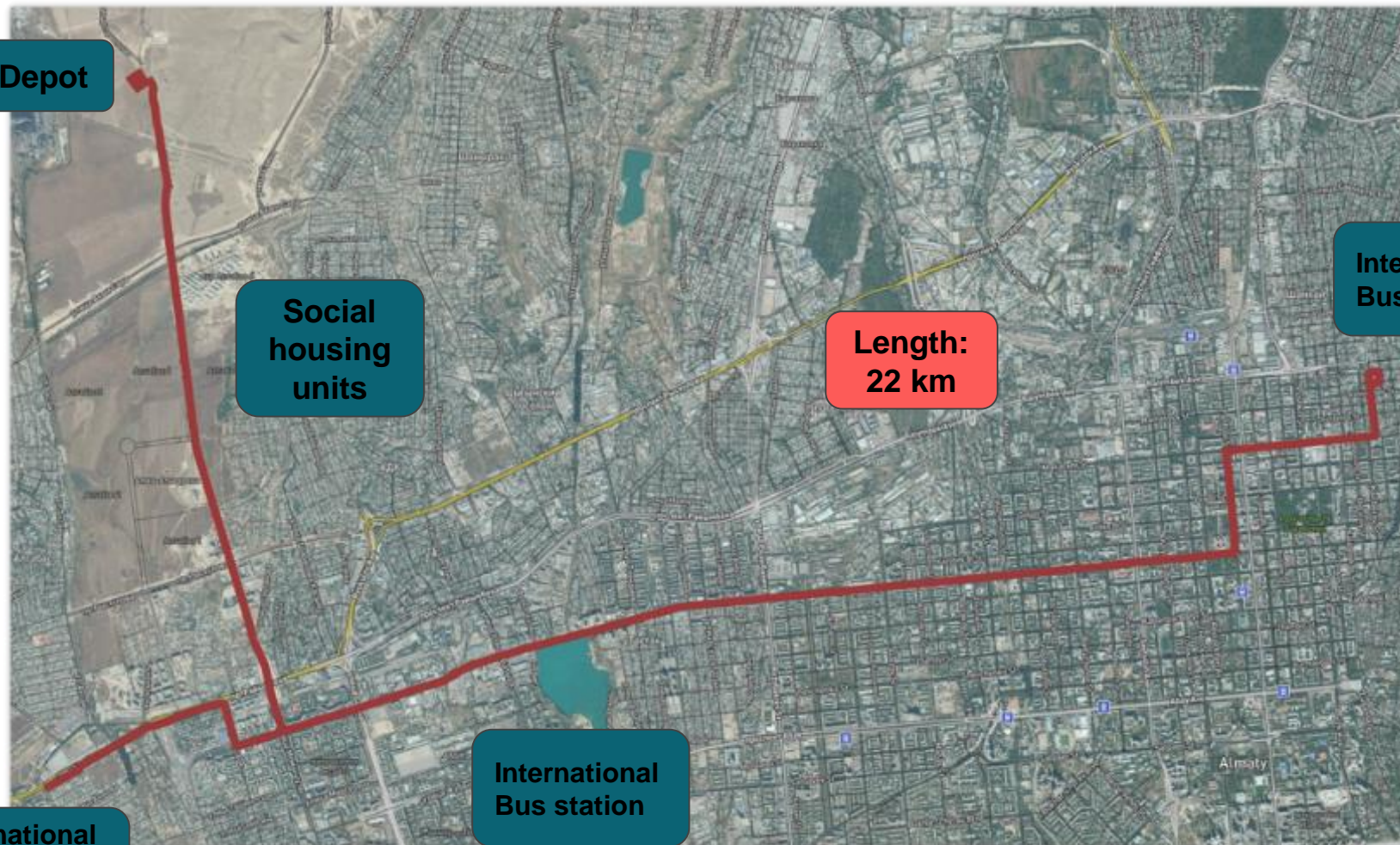
Newly-built social housing units (micro region)



Since 2015, 85% of affordable subsidized housings built in this area



Some characteristics of the route



International Bus station (to be built)

Some characteristics of the route

Tram system in Almaty (1937-2015)

- Length - 60 km
- Rolling stock: Tatra
- Passengers: 20 million per year
- Lately, system was not popular due to outdated rolling stocks and natural wear and tear.



Some characteristics of the route

City launched 20 meter long № 201 buses that **duplicates the LRT route**

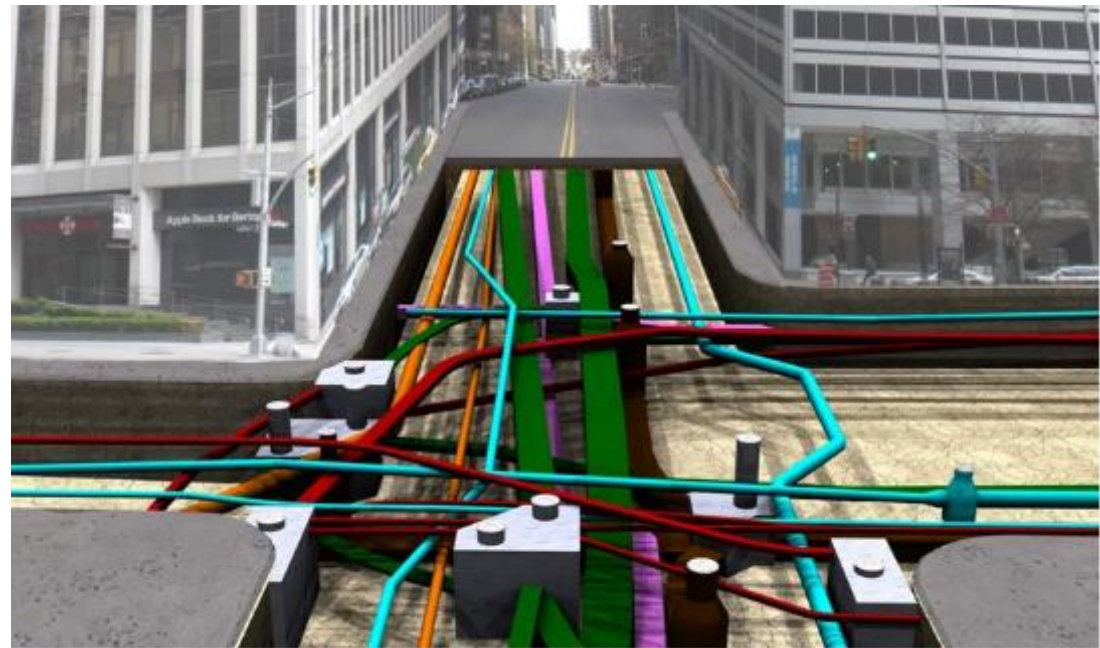


- To collect ridership data along the LRT line
- Make city inhabitants get used to the route
- Removed after LRT's launch

Preparatory works

Before the construction of LRT:

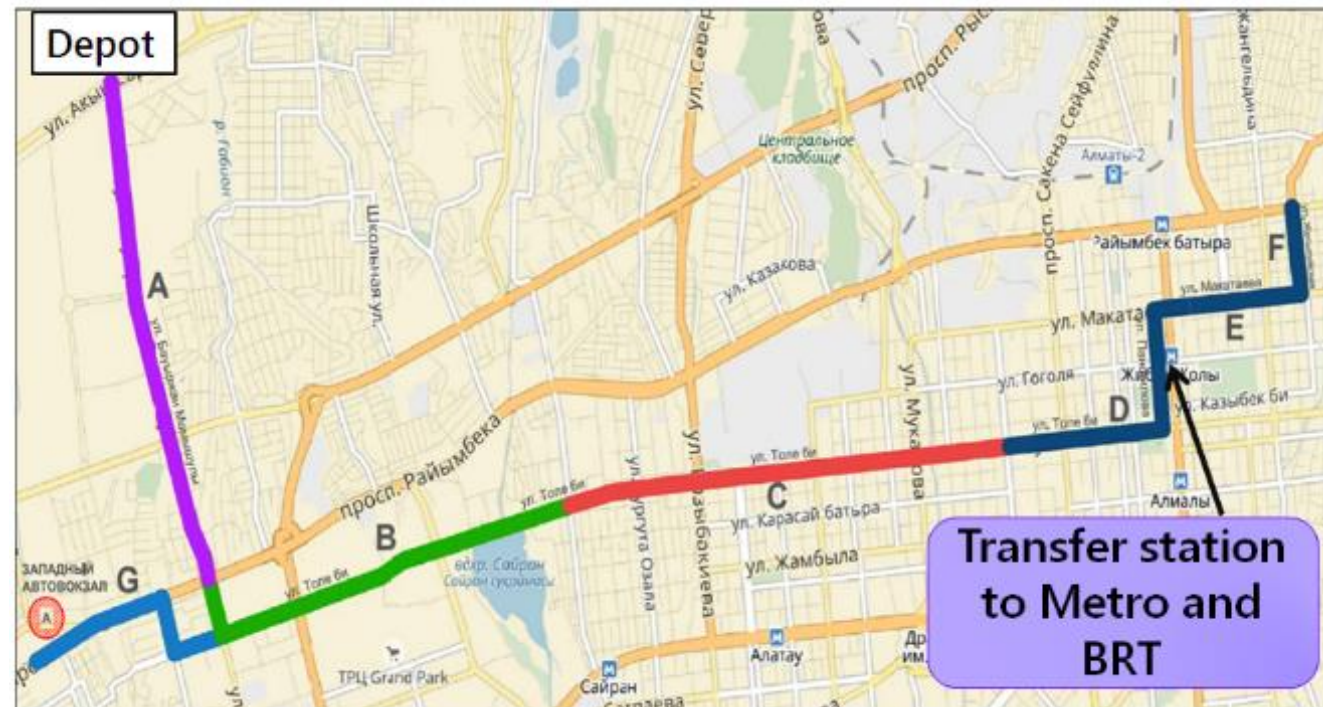
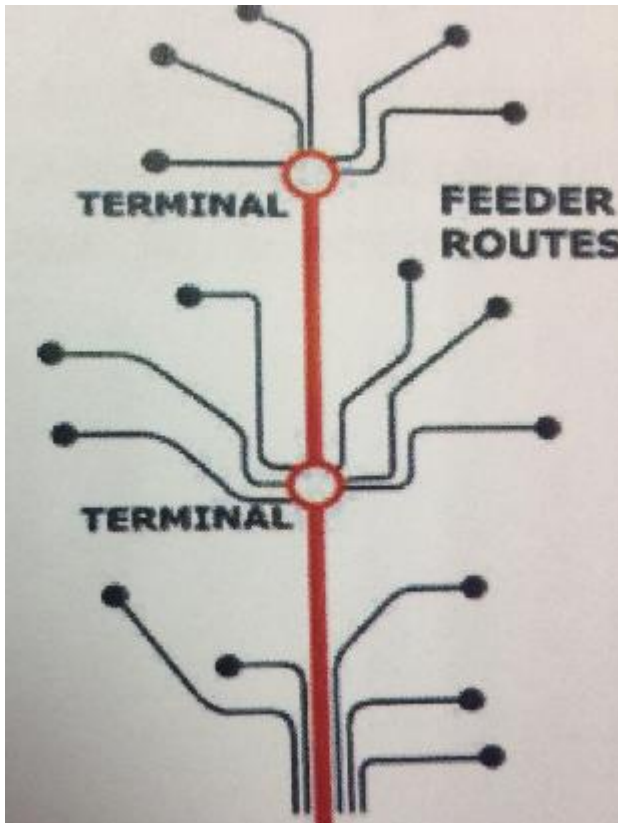
- ❖ Removal and protection of engineering networks along the line
 - 200 km of networks will be moved to 3-4 meters from LRT corridor
 - Intersecting networks will be protected by special case





Role of LRT in the city public transport

- Bus routes would be adapted specifically to LRT stations
- Integration of Metro, BRT, LRT through one unified station





Role of LRT in the city public transport



Ring like road, **BAKAD** is another PPP project in Almaty. Construction start date is expected to be March 2018.

Even the predestination of the system to have a route that bypasses the city, it also allows comfortable transfer to east and west side of the city where people can ride LRT and travel to city center.



Perspective public transport lines

Rapid transit Corridors



According to **city transport policy**, the rapid transit system have:

- 5 BRT lines
- 2 LRT lines
- 1 Metro line

In addition, BRT and LRT have suburb destinations.

Second line of LRT goes in south direction, connecting business center and city center

Integrated ticketing system

Ticketing system called “**Onai**” has been operating since 2015.

- Smart Pay cards sold **1,500,000**
(Daily usage is 900,000)
- Modernity
 - ✓ Sms payment
 - ✓ QR code
 - ✓ Easy rechargeable cards
- Implemented to **all type public transports: Bus, Metro, Trolleybus**
- **Integrated** with other smart pay systems in the city

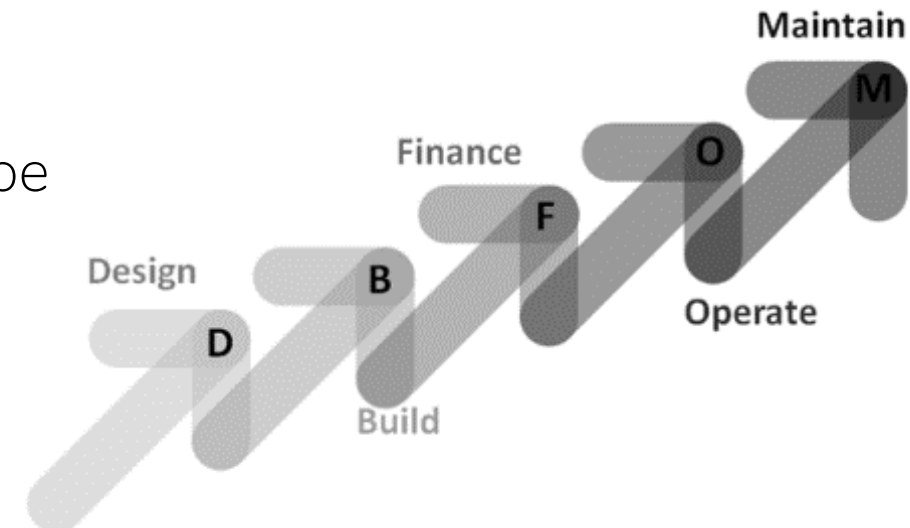




Quick Overview of Financial Part

Payment mechanism: availability payment consisting compensation of investment expenditures, compensation of operational expenses and management fee.

Key risks (ridership risk, FX risk) will be on the Public side.



Thank you
for your attention

Contact me:
Gani Tazhiyev
+7701 111 6517
g.tazhiyev@almaty-lrt.kz

