

Almaty - environmental challenges



Sapporo, Dec 2024



ALMATY CITY PROFILE

ECONOMY

- ✓ Nearly **1/5** of the country's **GDP**
- ✓ More than **1/4** of the country's **budget revenues**
- ✓ More than **36%** of the country's **trade operations**
- ✓ Share of **production goods** – **8,1%**, **services**– **83,3%**
- ✓ **SMEs** create **65.4%** of **employment** and **47.5%** of **GRP**
- ✓ Almost **1/5** of the country's **foreign trade**
- ✓ The **largest** airport in the country
- ✓ More than **80** offices of **international organizations and TNC**
- ✓ More than **400k** foreign tourists

GEOGRAPHY

- ✓ Lies in the northern foothills of the **Trans-Ili Alatau mountain range** at an elevation of **700–900** meters
- ✓ Humid continental climate
- ✓ Area of extensive geologic risk, subject to **earthquakes** and **mudslides**



The largest city in Kazakhstan, the core of the agglomeration with over **3 million** people

DEVELOPMENT PRIORITIES

In 2022, the **Maslikhat (City Council)** of Almaty approved the “**Almaty City Development Program up to 2025 and medium-term prospects up to 2030**”

PRIORITY DEVELOPMENT AREAS:

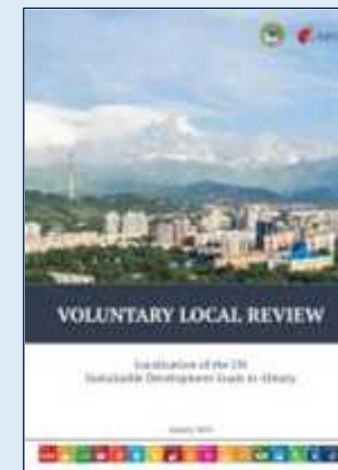
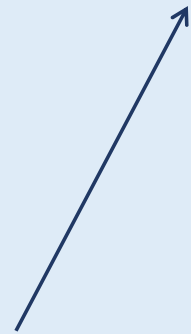
- 1 | COMFORTABLE URBAN ENVIRONMENT**
NEIGHBORHOOD PLANNING WITH 15-MIN. INFRASTRUCTURE ACCESSIBILITY AND TRANSPORT CONNECTIVITY OF DISTRICTS
- 2 | SUSTAINABLE ECONOMIC GROWTH**
HIGH LABOR PRODUCTIVITY AND COMFORTABLE BUSINESS ENVIRONMENT
- 3 | MANAGED URBANIZATION**
BALANCED DEVELOPMENT OF THE CITY AND ALMATY AGGLOMERATION
- 4 | SOCIAL SUSTAINABILITY AND STABILITY**
AN INCLUSIVE CITY OF EQUAL OPPORTUNITIES WITH ACCESSIBLE AND QUALITY SOCIAL INFRASTRUCTURE
- 5 | GREEN ALMATY**
CLEAN AIR AND FAVORABLE ECOLOGICAL ENVIRONMENT
- 6 | SMART CITY**
A CITY MANAGED ON THE BASIS OF DIGITAL SOLUTIONS AND BIG DATA ANALYTICS
- 7 | SAFE CITY**
CITIZENS' CONFIDENCE IN SECURITY AND PREPAREDNESS FOR EMERGENCIES

Each area of the program is linked to one or more of the Sustainable Development Goals.

VOLUNTARY LOCAL REVIEW

DESCRIPTION OF THE MAIN SECTIONS

1. IMPLEMENTATION OF THE SDGS IN KAZAKHSTAN
2. LOCALIZATION OF THE SDGS IN ALMATY
3. METHODOLOGY AND APPROACH
4. SUSTAINABLE DEVELOPMENT MANAGEMENT | Institutions
5. SUSTAINABLE DEVELOPMENT MANAGEMENT | Mechanisms
6. STRATEGIC DOCUMENTS ON THE DEVELOPMENT OF THE ALMATY CITY
7. IMPLEMENTATION OF THE SDGS



VLR presents the institutional environment, organizations, and mechanisms that ensure the implementation of the SDG strategy.

ROLE OF THE ALMATY DEVELOPMENT CENTER IN SYSTEMIC INSTITUTIONAL CHANGES AND SMART CITY DEVELOPMENT

Communications office

Think Tank

Be a change agent

Develop innovative solutions

Provide a wide range of professional services

Be adaptable to the needs of the akimat and residents

Ideas

Projects

Financing

*Platform - a method of organization and a dialogue platform for bringing communities together (ADC, business, active caring citizens, academy, etc.)



**SUSTAINABLE
SMART
CITY**



Project office

ALMATY WINTER: MAIN CHALLENGES

AIR POLLUTION

MAIN CONTRIBUTORS



60%

Vehicle
emissions



19%

Industrial emissions



11%

Residential heating

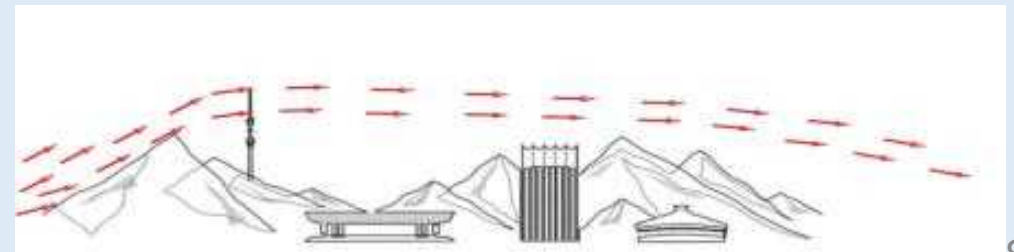


9,7%

Energy production



Basin-like **topography** and **temperature inversion**
prevent the dispersion of pollutants



ALMATY WINTER: MAIN CHALLENGES

AIR POLLUTION SOLUTIONS



Greening Public Transport

- ✓ Transition to gas and electric public transport
- ✓ Construction of infrastructure for gas-powered buses running.
- ✓ Creation of a charging infrastructure network for personal and public electric vehicles



Urban Development and Mobility

- ✓ Reducing commuter migration by creating new jobs within the agglomeration
- ✓ Increasing BRT routes, launching LRT, and constructing 50 km of bicycle paths
- ✓ Introducing low-emission zones
- ✓ Increasing fees for parking.



Gasification projects

- ✓ Gasification of residential houses in the city and agglomeration, including socially vulnerable families
- ✓ Large-scale gasification in the agglomeration



TPP modernization

- ✓ Decommissioning of a coal boiler
- ✓ Launching a new gas unit:
- ✓ Reconstruction of TPP-2 and TPP-3 for emission reduction

Thank you for your attention!

Sapporo, 2024



ALMATY
development centre