



CIET 2025

Construction, Industry, Energy of Turkmenistan

INTERNATIONAL CONFERENCE & EXPO BROCHURE

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CIET 2025

Construction, Industry, Energy of Turkmenistan

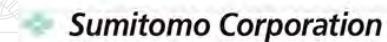
ORGANISERS



CO-ORGANISER



PARTICIPATING COMPANIES



// STRATEGIC CONFERENCE

The International Exhibition and Conference "Construction, Industry, Energy of Turkmenistan" (CIET 2025) is a unique and significant event. The conference will serve as a platform, which will play an essential role in developing industry, construction, and energy in Turkmenistan and neighboring countries. The event, held in Ashgabat from November 3-5, 2025, is a beacon for promoting innovation and investment in these sectors of the economy. The organizers of this event are the leading Ministries of Turkmenistan, such as the Ministry of Construction and Architecture, the Ministry of Energy, the Ministry of Industry and Construction Production, the State Concern 'Turkmenchemistry', the State Agency for Management of Road Construction and the Chamber of Commerce and Industry of Turkmenistan together with the Ashgabat City Municipality.

CIET 2025 aims to expand the potential of the region's countries to intensify cooperation in the energy and construction sectors of the economy, find opportunities to create free industrial zones and strengthen international cooperation between Turkmen government organizations, financial institutions, and international organizations specializing in construction and industry.

The busy agenda of CIET 2025, in addition to the conference and exhibition, includes the signing of memorandums and contracts, holding seminars and round tables, where domestic and foreign experts will introduce participants to modern advanced practices in the field of trade, industrial zones, e-commerce, concessions, trust management of road transport infrastructure, leasing and lending, as well as trips to the Autobahn and new industrial facilities.

CIET 2025 is expected to draw a record number of participants, including representatives from government ministries, national construction agencies, associations and unions, research and development organizations, international construction companies, and educational institutions. The events held within the framework of CIET 2025 promise to be a rich source of knowledge, networking opportunities, and potential collaborations.

The exhibition, held as part of CIET 2025, will serve as an interactive platform for dialogue, exchange of experience in the practical use of innovative developments and technologies. Delegates will be able to get acquainted with the achievements of modern Turkmenistan, applied innovative technologies aimed at the optimal organization of life in cities and villages, with the development of the construction industry - one of the promising and fast-growing sectors of the national economic complex.

The conference will include meetings between the CEOs of international companies, the heads of national companies, and the ministries of Turkmenistan's various economic sectors to discuss new investment opportunities and enhance new partnerships.



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ACHIEVEMENTS AND PERSPECTIVES

The favorable investment climate created in Turkmenistan, effective measures of state support for entrepreneurship, and significant financial resources invested by the state in this sector have determined the success of the urban development policy, within the framework of which hundreds of industrial, social, and cultural facilities are built and reconstructed in the capital and regions every year, including modern residential buildings, schools, kindergartens, medical and sports centers, large and small industrial enterprises.

The plenary session of the CIET 2025 conference, which will be held under the title "Industrial and Construction Sectors of Turkmenistan: A Glance Into the Future", will discuss the expansion of the potential of the countries of the region to intensify cooperation in the energy and construction sectors of the economy, find opportunities to create free industrial zones, strengthen international collaboration between Turkmen government organizations, financial institutions and global organizations specializing in construction and industry. The plenary session will be opened by Deputy Chairman of the Cabinet of Ministers of Turkmenistan Baimyrat Annamamedov, who will outline the key areas of the industry and its further development, focusing on attracting foreign investment. The heads of the world's leading construction companies will present their latest projects in this industry and share their experience and vision for further development.



ACHIEVEMENTS AND PERSPECTIVES

The energy industry is assigned an important role in successfully implementing tasks, including the accelerated industrialization of the national economic complex.

Under the Concept of Development of the Electric Power Industry in Turkmenistan, ultra-modern power plants have been built, generating capacities have been increased many times, and new power transmission lines have been updated and laid, which creates all the conditions for Turkmenistan's further integration into the global energy system.

As part of the session on accelerating the monetization and diversification of energy resources, issues such as renewable energy sources, modernization of existing and construction of new power plants, and new investment projects in gas chemistry and electric power engineering will be considered.

A large-scale project to create a country-wide ring energy system is being successfully implemented. This system will serve as a reliable energy supply to cities and villages, solve problems of socio-economic development, and significantly expand the possibilities for exporting Turkmen electricity.

Currently, 12 power plants with a total capacity of 7,000 MW operate in the country. Eight of them were launched during the years of independence, namely from 2013 to 2021. In accordance with the project, 4 gas and 2 steam turbines will operate at the new combined cycle power plant, which will have a total capacity of 1,574 MW. It will become the second most powerful power plant in the country, ensuring a reliable power supply to consumers in the Balkan velayat.

The combined cycle is a new type of electricity production characterized by increased efficiency (COP). Its essence lies in generating additional electricity by introducing fuel combustion products from gas turbines into steam turbines at high temperatures.



ACHIEVEMENTS AND PERSPECTIVES



The introduction of this modern technology is important for the development of waste-free production in the country and, in addition, allows saving natural gas consumed for electricity generation. All production processes at the power plant will be digitalized, automated, and subject to centralized control, which will ensure their high efficiency.

The excess electricity generated here can be sent to the unified ring power grid being created. As is known, the first stage in implementing this grandiose project was the launch of a high-voltage overhead power line along the Akhal-Balkan route in 2021.

In general, creating a single energy ring in the country will strengthen and increase the reliability of the domestic energy grid, systematically increase its capacity reserve, and, if necessary, redistribute electricity in the right direction. By ensuring uninterrupted power supply to the regions and the capital, the implementation of this project will also contribute to an increase in electricity exports.



The next stage in creating the country's energy ring was launching a high-voltage overhead power line along the Mary-Akhal route. Two new gas turbine units (GTU) for electricity generation, with a total design capacity of 70 MW, have also been commissioned at the Turkmenbashi complex of oil refineries. Combined cycle power plants have an advantage not only in economic terms – they are also more environmentally friendly. By implementing large projects of regional and international significance in the energy sector, Turkmenistan demonstrates a highly responsible approach to environmental protection issues.

ACHIEVEMENTS AND PERSPECTIVES



The chemical industry is one of our country's economy's most dynamically developing sectors. Over the past relatively short time, investment projects have been completed in Turkmenistan to build ammonia and urea plants in the cities of Mary and Garabogaz, a polymer plant in Kiyanly, and a plant for the production of gasoline from natural gas in Ovadandepe.

The state pays special attention to the development of the chemical industry as one of the strategic sectors of the national economy, as reflected in the "Program of the President of Turkmenistan for the socio-economic development of the country for 2022-2028."

Turkmenistan is one of the world's leading countries in terms of hydromineral raw materials reserves. These include intercrystalline, and surface brines of the Garabogazgol Bay, underground iodine-bromine waters, and formation waters of oil, gas, and sulfur fields. Currently, various types of mineral salts, iodine, bromine, and their compounds are produced on their basis.

The Garabogazgol Bay plays an important role in creating Turkmenistan's mineral resource base. It is the largest deposit of sodium sulfate and other useful minerals on the globe. This is a unique deposit in the world where, under normal natural conditions, the crystallization of various salts occurs on an industrial scale. Its area is 18.6 thousand square kilometers, and the length of the coastline is about 800 km.

Special attention will also be paid to Turkmenistan's industrial and construction industries. In the plenary session entitled "Industrial and Construction Industries of Turkmenistan: A Look into the Future," development strategies, investment opportunities, and the country's role in the regional economy will be discussed.

Turkmenistan has significant potential for modernizing production processes at enterprises in various regions of the country and is actively modernizing its industry. Vivid examples of this are large-scale projects to build a new ammonia and urea plant in the Balkan Velayat, expand the capacity of the Akhal plant for the production of gasoline from natural gas, and launch new production facilities at the Kiyanly Polymer Plant and the Turkmenabat Chemical Plant.

ACHIEVEMENTS AND PERSPECTIVES

The Law of Turkmenistan, "On Renewable Energy Sources," came into force in March 2021. According to this law, innovative electricity production projects are being developed, mainly using alternative regenerative sources - sun and wind.

Already in July 2022, the construction of the first multi-profile solar and wind power plant with a capacity of 10 MW was launched in the Serdaretrap of the Balkan velayat.

This testifies to the exceptional demand and high prospects for projects using alternative "green" energy, which will subsequently be of great importance for developing the potential and further modernizing the infrastructure of the country's leading sector.



ACHIEVEMENTS AND PERSPECTIVES



Arkadag became the first "smart city" not only in Turkmenistan but also in the Central Asian region.

A unique city built in one of the most ancient corners of Turkmen land, it is the source of the glorious history of our ancestors.

The implementation of this grandiose urban development project has become a clear illustration of the state policy successfully implemented in Turkmenistan. This policy clearly expresses social focus and is focused on the comprehensive, innovative development of the country, increasing its economic potential and steadily improving the standard and quality of life of people.

Evidence of the high appreciation of the large-scale work carried out to build a unique city - a symbol of rapidly developing Turkmenistan - was the presentation of more than 20 certificates, diplomas, and congratulatory messages to the city of Arkadag from specialized UN structures, other international organizations, foreign scientific institutions, and well-known foreign companies. At the International Smart City Exhibition World Smart City Expo 2024 held on September 4 in Goyang, Arkadag was awarded the Excellence Award (the Turkmen city was the only winner of this award), Foreign City Award, and WSCE 2024 Contribution Award.

The smart city integrates advanced digital, information communication, and green technologies. Particular attention was paid to ecology, and only environmentally friendly materials were used in the construction of facilities.

The successful solution of the tasks set in this area is evidenced by the fact that Arkadag was awarded a certificate of accession to the project "Development of sustainable, green, climate-friendly cities with innovative solutions in the region of the Organization for Security and Cooperation in Europe."

The second session of the CIET 2025 conference on the topic "Modern Trends in Architecture and Urban Development: Smart City Arkadag - City of the Future and Opportunities" will discuss issues such as the development of the mining industry to provide the construction industry with building materials, import substitution, and innovative technologies in construction.

ACHIEVEMENTS AND PERSPECTIVES

Historically, the city of Ashgabat was located at the crossroads of important trade routes in the picturesque foothills of the Kopetdag Mountains. From ancient times to the present day, it has been one of the regions where innovations and advanced ideas were widely introduced. Today, the importance of the capital is widely recognized throughout the world as a center of reconciliation and a place where peaceful ideas related to the destinies of countries and peoples of the world were born.

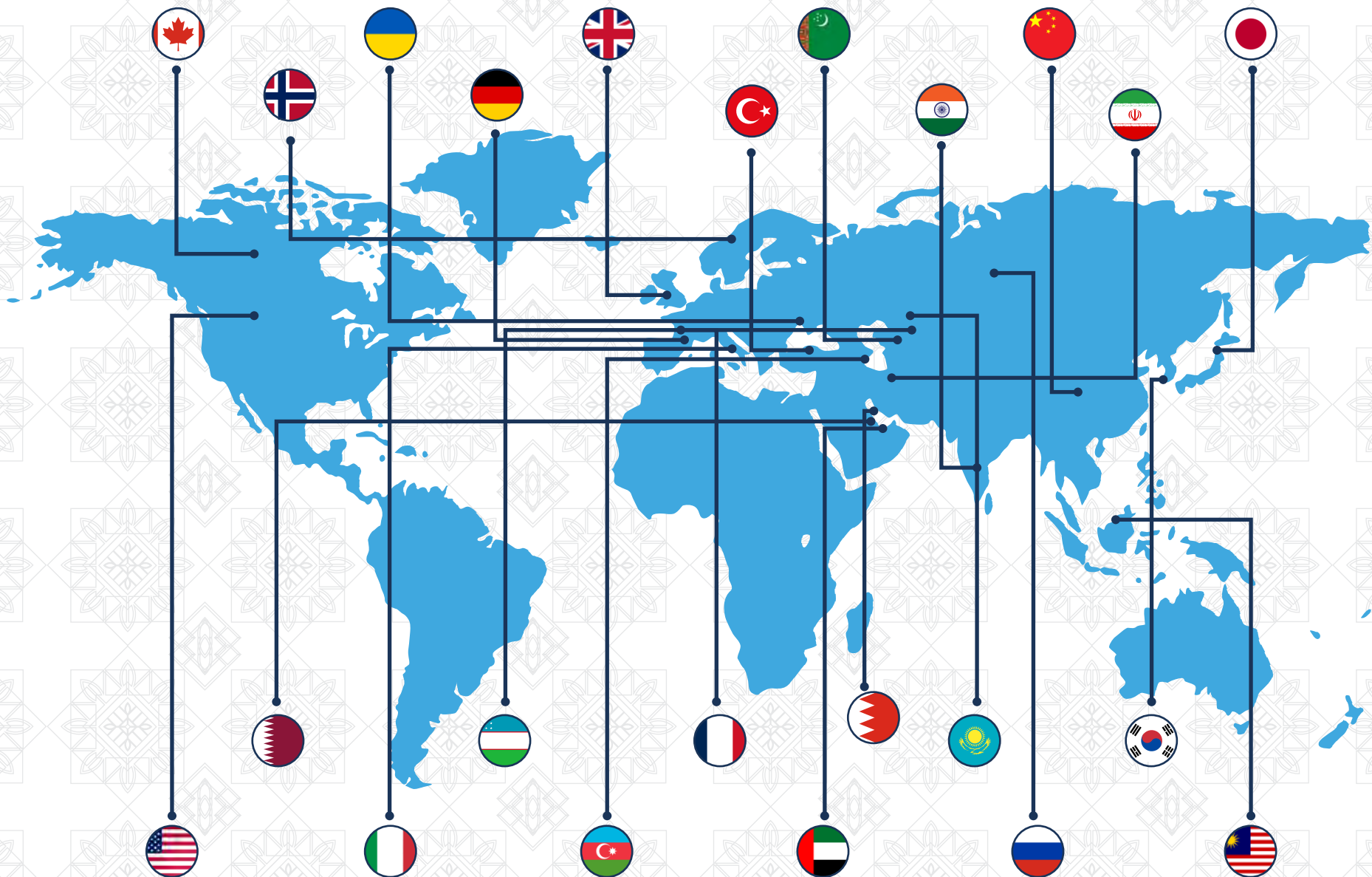
As a developed industrial city, Ashgabat is recognized as a unique symbol of sustainable development, security, and exceptional beauty. At the same time, the city of Ashgabat is the center of political, socio-economic, scientific, and technical development and innovation, as well as the state's leading educational and cultural center. In recent years, many beautiful buildings have been built in the capital that has no analogs in the world, a long line of residential buildings, and highways that meet world standards - these are the results of the great work of the esteemed President to turn our white city into one of the modern and classic cities in the world. As a result of the implemented projects and innovative initiatives, the city's architectural appearance has changed dramatically. Ashgabat amazes with its cleanliness and the beautiful harmony of its fountains. On May 25, 2013, Ashgabat opened a new page in the Guinness Book of Records as the city with the most significant number of buildings covered with white marble. In this regard, on May 25 of each year, Ashgabat City Day is widely celebrated in the country. Currently, the Guinness Book of Records includes the world's tallest flagpole, the Oguz-Khan fountain complex, the Alem Cultural and Entertainment Center, the Turkmen TV and Radio Broadcasting Center, the Oguz-Khan star, which is covered on both sides with special glass. This also includes an image of a pattern placed in the main passenger terminal of the Ashgabat International Airport, an artistic image of an Akhal-Teke horse on the stands of the Olympic Stadium in Ashgabat, and the Water Sports Center.

Ashgabat is a major political-administrative, commercial, cultural, and scientific center of independent, permanently neutral Turkmenistan. The second session of the conference will discuss investment opportunities in Ashgabat's infrastructure and construction projects.





PARTICIPATING COUNTRIES





As part of implementing comprehensive socio-economic programs, major construction projects throughout the country have led to an ever-increasing demand for high-quality building materials, impeding the accelerated development of their production based on domestic raw materials.

Currently, geological surveys are actively underway to identify new mineral deposits, which will later serve as the source material for modern domestic production facilities to produce a wide range of products in demand on the domestic and foreign markets that meet international quality standards.

Focusing on the importance of an uninterrupted supply of building materials to new buildings, the head of state constantly points to the need to accelerate work on developing local raw materials, which the Turkmen land is rich in.



The third conference session will also be devoted to current issues in construction and industry. Particular attention will be paid to producing high-quality building materials and financing new infrastructure projects. Participants will discuss opportunities for the development of industrial cooperation at the international level and the impact of digitalization on trade and industry.

In addition, much work is being carried out in Turkmenistan to stabilize the technical and economic status of existing production facilities, modernize and reconstruct them, and construct new factories and enterprises specializing in the production of import-substituting and export-oriented goods.



The construction of modern highways, bridges, overpasses, underground crossings, multi-level interchanges, and complementary facilities is increasingly important in the country's economic development. These require special engineering solutions and the use of the latest technologies.

In accordance with the Decree of the President of Turkmenistan in February 2022, the State Agency for the Management of Road Construction was established to increase the efficiency of the work carried out in this area and further improve the sphere of road construction.

The large-scale projects implemented today to lay new highways and reconstruct existing ones directly contribute to forming a modern transport and logistics system and strengthen Turkmenistan's position as an essential transport and transit corridor in the region.

Turkmenistan attaches great importance to public-private partnerships, the widespread introduction of practical business methods, and the active involvement of the private sector in this work in a market economy.

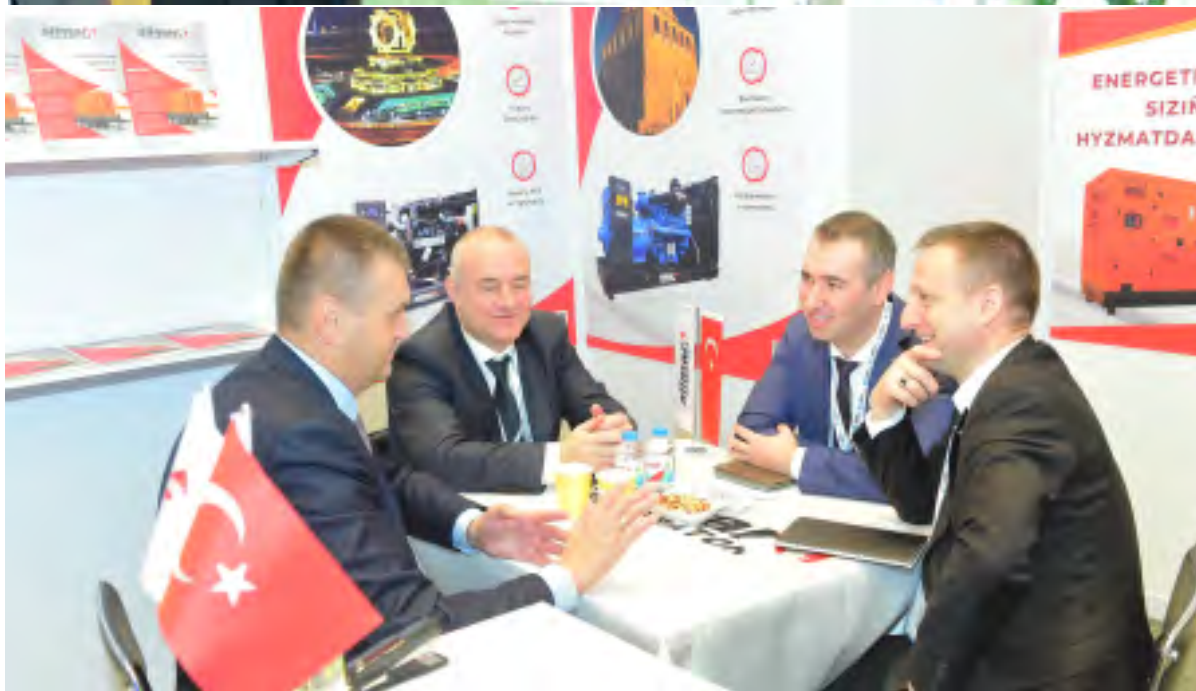
The Union of Industrialists and Entrepreneurs of Turkmenistan, created in 2008, currently unites more than 28 thousand representatives of domestic private businesses and carries out large-scale work to develop the non-state sector of the economy, support entrepreneurial initiatives, and form a modern business infrastructure. Entrepreneurs make every effort to bring private businesses to the international level and successfully execute the tasks they face.



In this regard, the fourth session of the conference will discuss public-private partnerships (PPPs) in construction and infrastructure. The focus will be on investment opportunities, legal and financial aspects of PPPs, and the experience of their implementation in various industries. Particular attention will be paid to the role of PPPs in digital transformation and assessing the effectiveness of projects.

Private companies are implementing several large investment projects, including constructing industrial facilities, residential buildings, roads, and highways throughout the country. The fourth conference session will discuss the further development vector of PPP and new challenges and opportunities.





SIDE EVENTS

16:30 - 18:00

Parallel Event № 1: Mitigating Methane Emissions and Enhancing Energy Efficiency: Technologies and Strategic Solutions

Day 1 - Monday, November 3

14:00 - 15:00

Parallel Event № 2: Mitigating Methane Emissions and Enhancing Energy Efficiency: Technologies and Strategic Solutions

15:30 - 16:30

Parallel Session with S&P Global Platts: Global Trends and Innovative Building Materials

Day 3 - Wednesday, November 5

SESSIONS

Day 1

Monday, November 3

14:30 - 16:00

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Plenary Session

CONSTRUCTION AND ENERGY IN THE YEAR OF PEACE AND TRUST: NEW HORIZONS FOR SUSTAINABLE DEVELOPMENT

- The role of infrastructure and energy projects in strengthening international cooperation.
- The contribution of the construction and energy sectors to achieving the Sustainable Development Goals (SDGs).
- Innovation and digitalisation as drivers of industry modernisation.
- Environmental standards and green technologies in the global agenda.
- Turkmenistan's experience as an example of integrating modern solutions into national development

Day 2

Tuesday, November 4

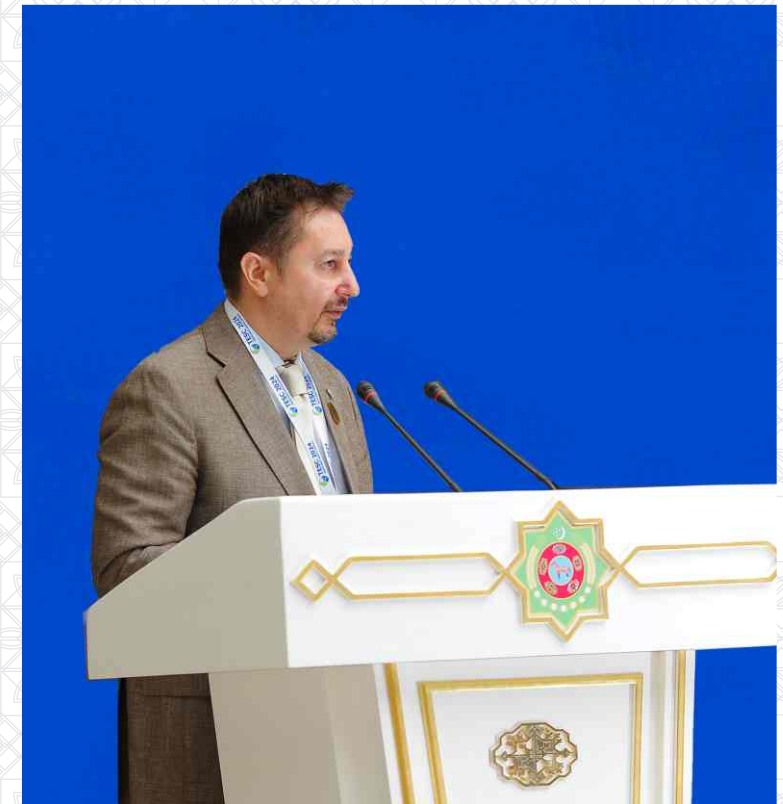
09:30 - 11:00

Olimpia Hotel

Session 1

SUSTAINABLE ENERGY SYSTEMS: CLEAN AND RELIABLE ENERGY FOR THE FUTURE

- Monetization of traditional energy sources, including gas chemistry and power engineering.
- Renewable energy sources;
- Modernization of existing gas chemical complexes.
- Modernization of existing and construction of new power plants.
- Global Trends in Chemical Fertilizers



"Turkmenistan is actively implementing sustainable energy practices, setting an example for the entire region. These steps not only help reduce the carbon footprint but also strengthen energy security, which is crucial for future sustainable development. Such actions demonstrate Turkmenistan's commitment to global environmental goals and enhance international cooperation in the field of clean energy."

DMITRY SHLAPACHENKO

UN Resident Coordinator
for Turkmenistan

11:30 - 13:00

Olimpia Hotel

INFRASTRUCTURE FINANCING AND PUBLIC-PRIVATE PARTNERSHIPS (PPP)

- Building Information Modelling (BIM)
- Robotics, 3D printing, and automation
- Digital twins and predictive maintenance
- AI and IoT integration in industrial processes
- Workforce digital upskilling & capacity building

14:00 - 15:00

Olimpia Hotel

INDUSTRIAL CLUSTERS AND SMART URBAN DEVELOPMENT

- Integration of solar, wind, and energy storage
- Small Modular Reactors (SMRs) for energy stability
- Grid modernization & smart metering
- Energy access and resilience for industrial zones
- Decarbonization of power in urban development

15:30 - 17:00

Olimpia Hotel

SUSTAINABLE CONSTRUCTION AND INNOVATIVE BUILDING MATERIALS: CLIMATE-RESILIENT INFRASTRUCTURE

- Green finance & climate-aligned investment
- PPP models for construction & utilities
- ESG frameworks and project bankability
- Risk-sharing and blended finance
- International financial institution participation



“At present, Turkmenistan is implementing systemic economic and investment policy measures intended to ensure an auspicious macro environment, and high growth rates, improve the investment climate and create favourable business conditions, and increase the competitiveness and efficiency of the national economy. I would like to express my confidence in the success, achievements and mutually beneficial fruitful cooperation with which the potential partners could move forward in Turkmenistan.”

RAHIMBERDY JEPBAROV

Chairman,
State Bank for Foreign Economic
Affairs of Turkmenistan

09:30 – 11:00

Olimpia Hotel

Session 5

**DIGITALISATION OF CONSTRUCTION AND INDUSTRIAL
MODERNISATION:
CONSTRUCTION 5.0 – AI, AUTOMATION, AND A HUMAN-CENTRIC
APPROACH**

- Planning & governance of smart cities
- Integration of utilities, logistics, and services
- Smart mobility and intelligent infrastructure
- The next phase of Arkadag and economic modeling
- Replication across regions and partners



"Our aim is to support and encourage French companies in their projects in Turkmenistan, reflecting the growing interest of French enterprises since 2022. The energy sector, particularly in optimizing and reducing emissions in the oil and gas industry, offers numerous opportunities, and we are keen to explore the potential of Turkmenistan's renewable energy resources."

PIERRE-ERIC SAINT-ANDRÉ

CEO, Bouygues Bâtiment International

PLENARY SESSION: NEW TENDERS CONSTRUCTION, INDUSTRY AND ENERGY TURKMENISTAN AND PROSPECTS OF MUTUALLY BENEFICIAL COOPERATION

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ENERGY CHINA

“YZZZ DÜĞANLAR” HJ

Solaiman Khil Energy Ltd.

GAP İNŞAAT

DOS



Networking coffee break

The conference programme also includes coffee breaks, allowing participants to refresh and discuss current issues.

Gala dinner

Additionally, delegates are invited to the dinner in the "Gul Zaman" banquet hall, creating ideal conditions for strengthening business contacts.



Closing Networking Dinner at the Olimpia Hotel (14th Floor)

The restaurant's unique atmosphere, ambiance, and dishes of Turkmen national cuisine will allow delegates to become better acquainted with the traditions and culture of Turkmenistan.

GOALS OF THE INTERNATIONAL EXHIBITION AND CONFERENCE CIET 2025

From November 3 to 5, Ashgabat will host the International Conference and Exhibition on Construction, Industry, and Energy of Turkmenistan (CIET 2025). The event is organized by leading Turkmen ministries, including the Ministry of Construction and Architecture, the Ministry of Energy, the Ministry of Industry and Construction Production, the Turkmenhimiya State Concern, the State Agency for Automobile Road Construction Management, and the Chamber of Commerce and Industry of Turkmenistan, in conjunction with the Ashgabat City Administration.

The goal of CIET 2025 is to enhance cooperation between regional countries in the energy and construction sectors. The conference aims to identify new opportunities for creating free industrial zones and strengthening international partnerships between Turkmen government agencies, financial institutions, and international organizations specializing in construction and industry.

The exhibition organized within the framework of CIET 2025 will provide a unique opportunity for delegates to familiarize themselves with innovative solutions implemented in Turkmenistan to optimize urban life and develop the construction industry. Participants will not only be able to see the latest developments but also discuss their practical application.

CIET CONFERENCE IN NUMBERS

50+ speakers

•
6 sessions

•
500+ delegates

CONFERENCE PASS PACKAGES

Category	Price	Benefits
International Company Delegate for in-person participation and meetings with the senior executives of Turkmenistan's construction, chemical, industry, and energy sectors	500 USD	<ul style="list-style-type: none"> - Visa support - Transfer from airport - Two-day participation at the conference - Conference Delegate bag - Access to the coffee breaks, lunches, reception, and Gala dinners during the event - Access to sightseeing tours within the conference agenda - Access to the meetings with senior management of the ministries and departments - Access to all presentations and photo materials of the Conference
Turkmen national company delegate for in-person participation and meetings with the senior executives of Turkmenistan's construction, chemical industry, and energy sectors	3000 TMT	





CIET 2025

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3 - 5 November, 2025
Ashgabat, Turkmenistan

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