



北京工商大学——经济合作组织科学基金会 BTBU——ECOSF

"一帶一路"科技与经济合作联合培训中心 Joint Training Center on Scientific, Technological and Economic Cooperation under Belt and Road Initiative



Training Report

Development and Management of Economic Zones under the Belt and Road Initiatives

December 22nd and 23rd, 2020

Training Program on Development and Management of Economic Zones under the Belt and Road Initiatives held Successfully

Training Program on Development and Management of Economic Zones under the Belt and Road Initiative was held in a hybrid mode (face-to-face and virtually) on December 22nd and 23rd, 2020 which was jointly organized and hosted by Beijing Technology and Business University (BTBU) and ECO Science Foundation.

This 2-day Training Program, the first multilateral and international training organized by the "BTBU-ECOSF Joint Training Center on Scientific, Technological and Economic Cooperation" under Belt and Road Initiative, was attended by a total of more than 100 domestic and foreign trainees, both online and on-site. The training was co-chaired by Dr. Di Yuna, Director of the Joint Training Centre at BTBU and Engr. Khalil Raza, Scientific Officer of ECOSF.



China has achieved phenomenal economic growth, an unprecedented development over the last three decades. The fundamental attribute to this rapid socio-economic growth has been linked to the emergence of Special Economic Zones (SEZs) and industrial clusters, which have been termed as important engines of China's remarkable development. The training focused on SEZs and lessons from China for the other Belt and Road countries, including ECO Member States. Thus, the objective of holding this first workshop was to deepen the understanding of the evolving nature of SEZs and enhance human resource capacities to formulate and implement strategies for SEZs, as well as build the human resource capacity for development and expansion of regional value chains of economic corridors.

Prof. Jia Yingmin, Vice President of BTBU, attended its opening ceremony and delivered a speech. First thanking all the lecturers and participants both at home and overseas for attending the opening ceremony, Prof. Jia gave a brief introduction to the development of BTBU and of the BTBU-ECOSF Joint Training Center. Prof. Jia underlined that this training would prove to be very beneficial for the participants in understanding of development and management economic zones. He further said that this training program would serve as a platform for S&T, and economic exchanges among the BRI countries, and promote cooperation among countries in the field of the technology, economy, education and culture.

Following resource persons/experts conducted the training

- Wang Yalin, Policy Analyst, Head of the Sustainable Investment and Business Group, UNDP China Representative Office;
- Feng He, Researcher, CNPC Economics & Technology Research Institute Overseas— A high-end think tank for BRI countries;
- **Guo Yi,** Professor, School of International Economics and Management Beijing Technology and Business University (BTBU);

- Syed Zakria Ali Shah, Chief Executive Officer of CPEC Authority (Pakistan);
- **Zhao Fushou,** Project Director, Silk Road Promotion Centre for International Production Capacity Cooperation;
- **Zhang Yixiang,** Deputy Dean, TEDA Overseas Research Institute, Assistant General Manager, China-Africa TEDA Investment Co.;
- Wang Xiaoguang, Director, CSR Promotion Centre, China Federation of Industrial Economics. Lecturers introduced the development, layout, management experience and future trends of BRI industrial parks.



Key takeaways of the training workshop

Experts demonstrated various policy and structural framework for development and management of economic zones in the context of Belt and Road Initiative. The resource persons presented a number of case studies of successful as well as not so successful models of SEZs. Based on the experiences of successful SEZ programs globally, the following are important:

- Strong government support is a key for any economic zones as part of the long-term national development strategy;
- Having a long-term vision is particularly important because economic transformation can take decades;
- A transparent legal and regulatory framework is critical to ensure the clarity of roles and responsibilities of various parties, and to provide protection and certainty to the developers and investors;
- An integrated and strategic coordination among various stakeholders is extremely important. For instance, an effective one-stop-shop services for customs, taxation, commodity inspection and quality inspection are important characteristics for any SEZ;
- In almost all the successful zones in the world, basic infrastructure is of high quality, and one-stop-shop services and aftercare are pre-requisite, which make them very attractive to investors;
- One of the highest priorities of any zone is to provide the customized and specialized education and training that generate, upgrade and deepen knowledge and skills appropriate to the localized needs;
- A strategic location with sound infrastructure, strong commercial viability, significant economic returns and strong link to regional and global markets are the fundamental attributes for any high performing economic zones.

With interactive discussion with participants, experts explored and identified the typical barriers and challenges to successful operations and management of SEZs. The training concluded that right policy and regularity framework, financial incentives and solid political support and adequately skilled labor are potentially some of the key ingredients for high performing SEZs in the region.

In the end, Prof. Dr. Manzoor Hussain Soomro, President ECOSF, in his concluding remarks appreciated the collaborating partner; BTBU and the trainers for their resourceful analysis and lectures and the China Association for Science and Technology (CAST) for their strong support to the Joint Training Centre. Prof. Soomro emphasized that that participating countries need to establish and engage in an alliance for promotion of cross-

border cooperation in the technology, engineering and infrastructure development sectors, to maximize the benefits of Belt and Road Initiative. Prof. Soomro further underlined that through this Training Program, the exchange and cooperation would be further strengthened between countries in many critical areas of Science, Technology and Innovation (STI). On behalf of BTBU-ECOSF Joint Training Center, he assured full cooperation for organizing similar quality training programs for socio-economic growth to promote the sustainable development of the ECO Region and BRI at large.



It is important to mention that **BTBU-ECOSF Joint Training Center on Scientific, Technological and Economic Cooperation under Belt and Road Initiative** is an international cooperation platform which was launched earlier on September 25th, 2020, under the funding of China Association for Science and Technology (CAST) Program of International Collaboration Platform for Science and Technology Organizations in Belt and Road Countries. The Joint Training Centre aims to promote sustainable economic and social development in the BRI countries through training in technology application, industrial economy, S&T standards and science communication.





Fostering Sustainable Development Through Chinese Overseas Economic and Trade Cooperation Zones (COCZs)

Dec 2020

- Overview of Special Economic Zones (SEZs)
- Chinese Overseas Economic and Trade Cooperation Zones (COCZs): Performance and Perspectives
- New Generation of SEZs: SDG Model Zones

SEZs go by many different names......

Free Zones, Export Processing Zones, Industrial Parks, Free Zones, Special Economic Zones, Free Economic Zones and Freeports etc.

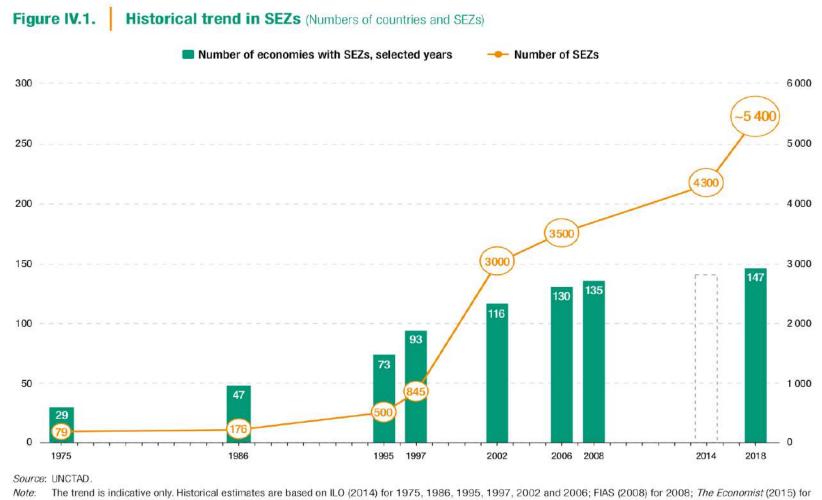
The most commonly used definition of SEZs, which centres on three key criteria:

• A clearly demarcated geographical area e.g. Province-sized SEZs, originally conceived in China

 A regulatory regime distinct from the rest of the economy e.g. Developed economy-free zone model Developing countries-attracting investment

Infrastructure support
 e.g. power、 water supply, factory building

Overview Special Economic Zones (SEZs)



2014; and UNCTAD for 2018. Scope and definitions of the various estimates across years may differ.

Overview of Special Economic Zones (SEZs)

Table IV.1. A functional taxonomy of SEZs			
Organizing principle	Туре	Description	
		 Commercial, warehousing and logistics services 	
	Logistics hubs (FTZs)	 Trade facilitation services for trans-shipping and re-exports, at airports, seaports, borders 	
		Can be located next to or within larger industrial estates	
	Multi-activity SEZs	General industrial development, non-specialized	
Specialization	Specialized SEZs	 Focused on sectors (e.g. services, resource or agro-based) 	
		 Focused on industries (e.g. automotive, electronics, garments) 	
		• Focused on GVC activities (e.g. business process outsourcing, call centres, R&D centres)	
	Innovation-driven SEZs	 Focused on industrial upgrading and new industries, e.g. high-tech zones, biotech zones, ecozones 	
Design and governance	Wide-area zones	 Large, integrated zones, often coinciding with a subnational administrative region or built as townships with residential areas and amenities 	
		 Original purpose of the largest zones was to pilot economic reforms 	
	OFDI/ODA-driven zones	 Established under a partnership between capital-exporting economies and lower-income economies 	
	Cross-border/regional development zones	 Established to foster regional economic cooperation and to exploit economies of scale associated with regional markets 	

Source: UNCTAD.

FTZ = free trade zone, GVC = global value chain, ODA = official development assistance, OFDI = outward foreign direct investment, R&D = research and development, SEZ = special economic zone.

Overview of Special Economic Zones (SEZs)

	Zone policy objectives	Prevalent zone types
High-income economies	 Provide an efficient platform for complex cross-border supply chains Focus on avoiding distortions in the economy 	 Logistics hubs free zones only (not industrial free zones) Innovation and new industrial revolution objectives pursued through science parks without separate regulatory framework, or though incentives not linked to zones
Upper-middle- income economies	 Support transition to services economy Attract new high-tech industries Focus on upgrading innovation capabilities 	 Technology-based zones (e.g. R&D, high-tech, biotech) Specialized zones aimed at high value added industries or value chain segments Services zones (e.g. financial services)
Middle-income economies	 Support industrial upgrading Promote GVC integration and upgrading Focus on technology dissemination and spillovers 	 Specialized zones focused on GVC-intense industries (e.g. automotive, electronics) Services zones (e.g. business process outsourcing, call centres)
Low-income economies	 Stimulate industrial development and diversification Offset weaknesses in investment climate Implement or pilot business reforms in a limited area Concentrate investment in infrastructure in a limited area Focus on direct employment and export benefits 	 Multi-activity zones Resource-based zones aimed at attracting processing industries

Overview of Special Economic Zones (SEZs)

ypes of SEZs	Examples
Zones developed by foreign	 Amata City Bien Hao, developed by Amata (Thailand) in Viet Nam (1994) through a joint venture with Viet Nam's State-owned enterprise Sonadez
developers or through joint	 Techno Park Poipet, developed by Toyota Tsusho (Japan) in Cambodia (2015)
ventures with local companies	Cali Tech Park, developed by Zonamerica (Uruguay) in Colombia (2016)
is private FDI	 Pearl River SEZ, developed by New South (China) in Kenya (2017) through a joint venture with African Economic Zones Ltd
	 Savan-Seno SEZ in the Lao People's Democratic Republic (2003), developed through a joint venture between Malaysian private companies and the Government
Cones developed through public-private partnerships vith foreign developers	 Free Industrial Zone Hualing Kutaisi 2, developed by Hualing Group (China) in Georgia (2015), on the basis o a memorandum of understanding with the Ministry of Economy and Sustainable Development of Georgia
with foreign developers	 Lekki FTZ, developed by Chinese consortiums in Nigeria (2006) through a joint venture with the Lagos State Government
	 Suzhou Industrial Park, developed in China (1994) through a joint venture between Singaporean and Chinese consortiums
Zones developed as government-government	 Thilawa SEZ, developed in Myanmar (2011) through a joint venture between the Myanmar and Japanese governments, and private consortiums from Myanmar and Japan
partnership projects	 Belarus-China Industrial Park Great Stone in Belarus (2011), developed through a joint venture between a Chinese private developer and Belarus Public Administer
	 Russia Industrial Zone, developed in Egypt (2018) by a Russian Federation developer

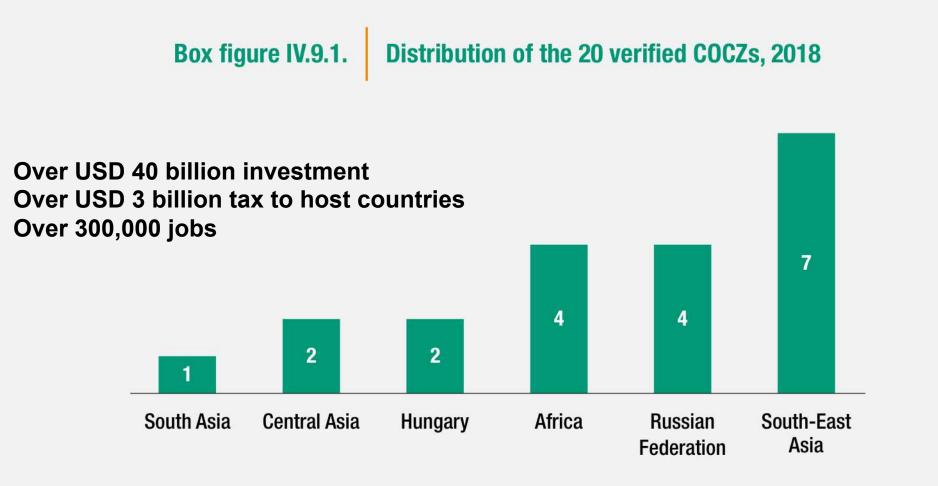
Source: UNCTAD.

Table IV.9. Key governance elements of foreign partnership zones				
Elements	Function			
Memorandum of understanding or bilateral agreement	Political commitmentInstitutional framework			
Coordination mechanism	Monitor and reviewEffective dialogue			
Joint-venture framework	Zone development and managementParticipation of relevant stakeholders			
Third-party participation	Foreign capitalExpertise on zone development and management			
Source: UNCTAD.				

COCZs: Performance and Perspectives

China announced Overseas Economic Cooperation Zone Programme in 2006, with multiple objectives:

- Boosting China's domestic economic restructuring and moving up the value chain;
- Creating economies of scale for Chinese overseas investment;
- Assisting Chinese SMEs in venturing overseas;
- South-South cooperation by sharing China's industrial experiences with other developing countries;
- Avoiding trade tension and barriers imposed on exports from China by producing overseas



Source: UNCTAD, based on Ministry of Commerce, China.

Economic Performance and Perspectives

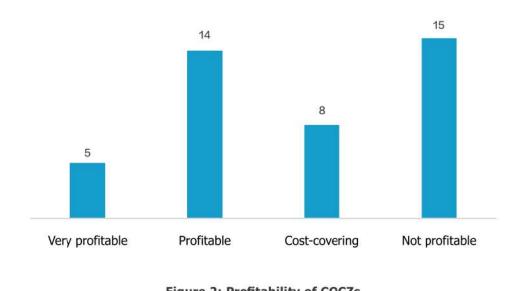


Figure 2: Profitability of COCZs

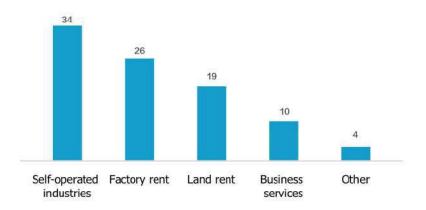


Figure 5: Profit models of COCZs (multiple-answer question)

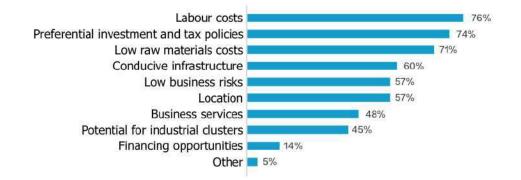


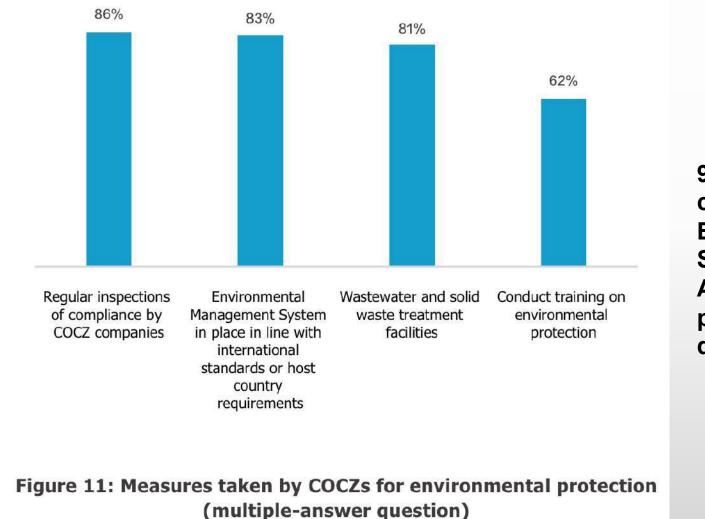
Figure 6: Key factors for attracting companies to COCZs (multiple-answer question)

High-level checklist:

- Political commitment, policies and institutions [] Incremental development plan
- Priority sectors
- Investment incentives
- Site selection
- Business models

- Diverse income sources
- Anchor investors
- Local linkages

Environmental Performance and Perspectives



93% of the Zones conducted Environmental and Social Impact Assessment (ESIA) prior zone development

Checklist for environmental sustainability

High-level checklist:

- Environmental policy, strategy and management system
- **Water management**
- **Waste management**

Energy efficiency

Low-emission and climate-resilient operations

C Renewable energy

Biodiversity protection and restoration

Social Performance and Perspectives

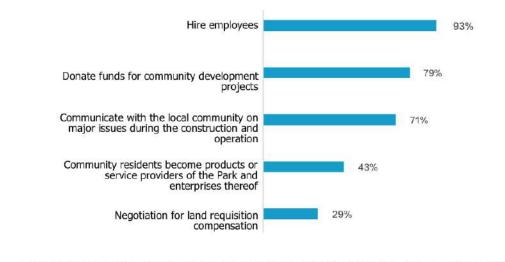


Figure 13: Forms of interactions between COCZs and the local community (multiple-answer question)

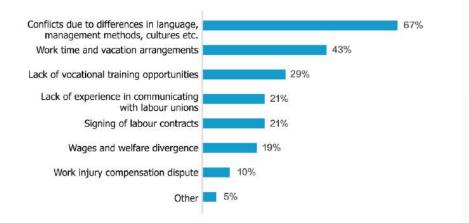


Figure 14: Main labour issues encountered by tenant enterprises of COCZs (multiple-answer question)

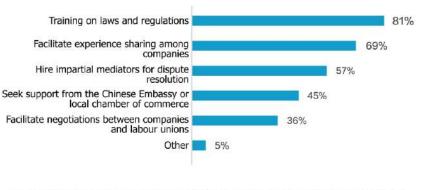


Figure 15: Measures taken by COCZs to solve labour-related problems (multiple-answer question)

High-level checklist:

Resettlement plan	Safety and health at work	Social infrastructure
Labour standards	Security	Skills training and human resource management
Housing for workers	Transparent wage structure and incentive systems	Community engagement



Sustainable Development Goals (2015-2030)

17 GOALS

Committed to ending extreme poverty, fighting inequality and injustice, and fixing climate change by 2030.



What are the Sustainable Development Goals (SDGs)?

A universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. The goals are interconnected – often the key to success on one will involve tackling issues more commonly associated with another.

What is UNDP's role?

As the lead UN development agency, UNDP is uniquely placed to help implement the Goals through our work and support to governments to integrate the SDGs into their national development plans and policies.

New Generation of SEZs: SDG model zones

Policy option	Policy objectives	Focus	Promotion/facilitation
SDG investment	 Catalyze SDG implementation Incubate pro-SDG business activities 	 Sustainable agriculture, food security and nutrition 	 Target SDG sectors and incubate SDG activities
		 Basic infrastructure, utilities, water and sanitation services 	 Reorient incentive schemes towards SDG contributions
strategy		Health care and essential medicines	 Prepare a pipeline of SDG projects
		 Renewable energy and climate change mitigation 	 Facilitate impact investment and social entrepreneurs
		Education	 Cooperate with development partners
ESG standards compliance	 Promote sustainable processes in production and services 	 Aspirational goals: zero emissions and minimum waste 	 Services in the zone to facilitate the implementation of standards
	Enhance CSR and good governance	 Highest labour, health and safety standards 	 Inspection of standards compliance and exchange of best practices
		 Gender-equality benchmark 	· Investors agree to codes of conduct and
		 Measurement of zone contributions to public revenues 	reporting on ESG performance
Inclusive growth via linkages and spillovers	 Shift from enclaved zones to models that facilitate backward 	 Renewable energy installations that also supply outside the zone 	Strengthen entrepreneurship policies
	 Spillovers of SDG best practice to the rest of the country 	 Waste management plant with 	 Mobilize local entrepreneurs to catalyze FDI and promote MNEs suppliers
		capacity beyond the zone	 Broaden incentive schemes to support
		 Amenities and services (health care, housing and education) that benefit the wider community 	local supplier development

UNDP



What is United Nations Development Programme (UNDP) ?

The largest development network of the United Nations helping countries to achieve the eradication of poverty, and the reduction of inequalities and exclusion. We help to develop **policies**, **leadership skills**, **partnering abilities**, **institutional capabilities** and **build resilience** in order to sustain development results.





New Strategic Plan from 2018 - 2021

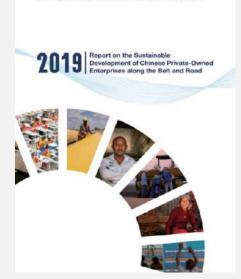
on building on strengths, bolder innovation, closer partnerships and stronger results.



Sustainable Investment and Business Overseas

Publications

Sustainable Development of Chinese Private-Owned Enterprises along the Belt and Road



 Private-Owned Enterprises (POEs), represent the vast majority of China's economy and are expanding their global presence. They are shouldering more responsibilities in implementing and promoting the global development agenda under the Belt and Road





Sustainable Investment Promotion Facilities Programme

Promoting sustainable investment along the Belt and Road by strengthening partner countries' capacities and enhancing environmental, social and governance (ESG) sustainability of financial investment in line with the 2030 Agenda.



Thank You and Stay Healthy!

Email: Yalin.wang@undp.org



Actively Build a Sustainable

Business Environment for Chinese

Enterprises

景上有大学国际维管

Guo Yi



ANAL ECONA

I. Three-fold significance

China Overseas

Economic Parks

II. Three business models

3.

III. Basic ways of obtaining 'local legitimacy'



RAMATIONIAL ECONOMICS THIS MANAGEMENT Fold I. Three-fold significance

大学国际经常的税



Three-fold significance



ECONOMICS Conducive for countries to promoting

international production capacity

cooperation and achieve global



industrial layout Conducive to the formation of regional business clusters in the host country



Conducive to enhancing bilateral polit and economic ties and bringing closer people-to-people contacts and friendship

Step **02**

Step

Step

 $\mathbf{01}$



II. Three business models

NATIONAL ECONOMICS

大学国际经常物税





Host governmentsupported

Host government-supported zones are primarily tasked with promoting new industrial clusters, economic growth points and new cities, and are usually owned and operated by host government agencies or state-owned enterprises. Market-driven

PPP

Market-driven co-operative zones are usually developed and operated by private investors. Due to the high initial investment costs and long payback period, a stable business environment will help boost investor confidence and encourage continued investment and operation.

Private-Public Partnership (PPP) parks provide public services by social capital.



III. Basic ways of obtaining "local legitimacy

NATIONAL ECONOMICS

大学国际经常物机

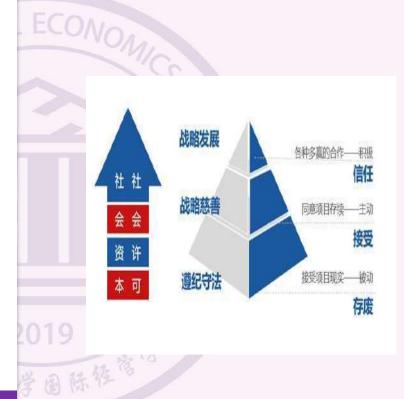
2019



Ö.

In recent years, Chinese enterprises' overseas investment, driven by the "Belt and Road" initiative, has continued to grow steadily in terms of both investment flow and stock. In this process, due to various constraints, CSR has become a mandatory part of Chinese enterprises'

overseas Gorgonate Social Responsibility



Community relations: a



Chinese people in the "industrial village" are still at a loss when it comes to the protection of their rights and interests in the event of policies conflict between investing countries and host country. It is expected that the countries and administration could play a guiding role, to coordinate

20callsation: Patheoretical recip and its realistic spectation able

for the development of "global

Ľ

The CSR challenges and risks faced by Chinese companies investing overseas ultimately come down to the level of community relationship management, including identifying, preventing, managing and resolving the above challenges and risks through community communication and community integration, and turning these non-traditional risks into opportunities for sustainable development.

Community relations: a source building social capital

village".







路"园区可持续运营风险管理:实践与对策

Risk Management of Sustainable Operation in BRI Industrial Park : practice and Countermeasures

中国工业经济联合会企业社会责任促进中心 主任 Director of Corporate Social responsibility Promotion Center of China Federation of Industry and economy 北京融智企业社会责任研究院 院长 Director of Beijing Rong Zhi Corporate Social responsibility Research Institute 王晓光 博士 Wang Xiaoguang Ph.D



北京融智企业社会责任研究院

Beijing Rongzhi Corporate Social Responsibility Institute



- "一带一路"园区面临的主要挑战与风险
- The main challenges and risks faced by BRI Industrial Park
- "一带一路"园区可持续运营风险管理
- Risk Management of Sustainable Operation of BRI Industrial Park
 - "一带一路"园区加强风险管理的建议
- Suggestions on strengthening risk Management in BRI Industrial Park

"一带一路" 园区可持续运营面临的挑战

1

2

4

5

3

地缘政治对园区建设运营的挑战 The Challenge of geopolitics to the Construction and Operation of Industrial Park

园区规划、功能与产业需求合理匹配的挑战 The Challenge of rational matching of Industrial Park Planning, function and Industrial demand

东道国法律法规与政策变动的挑战 The Challenge of laws, regulations and Policy changes in the Host country

园区建设与当地社区发展不协调的挑战

The challenge of uncoordinated development between industrial parks and local communities

园区企业人权安全环境合规管理的挑战

The Challenge of Industrial Park Enterprises in Human Rights, Safety and Environmental Compliance Management

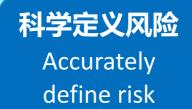




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- Suggestions on strengthening risk Management in BRI

Industrial Park





判断风险影响 Judge the impact of risk

风险管理要点 Key points of risk

management

完善风险政策 Improve the risk policy

参与风险管理 Participate in risk management

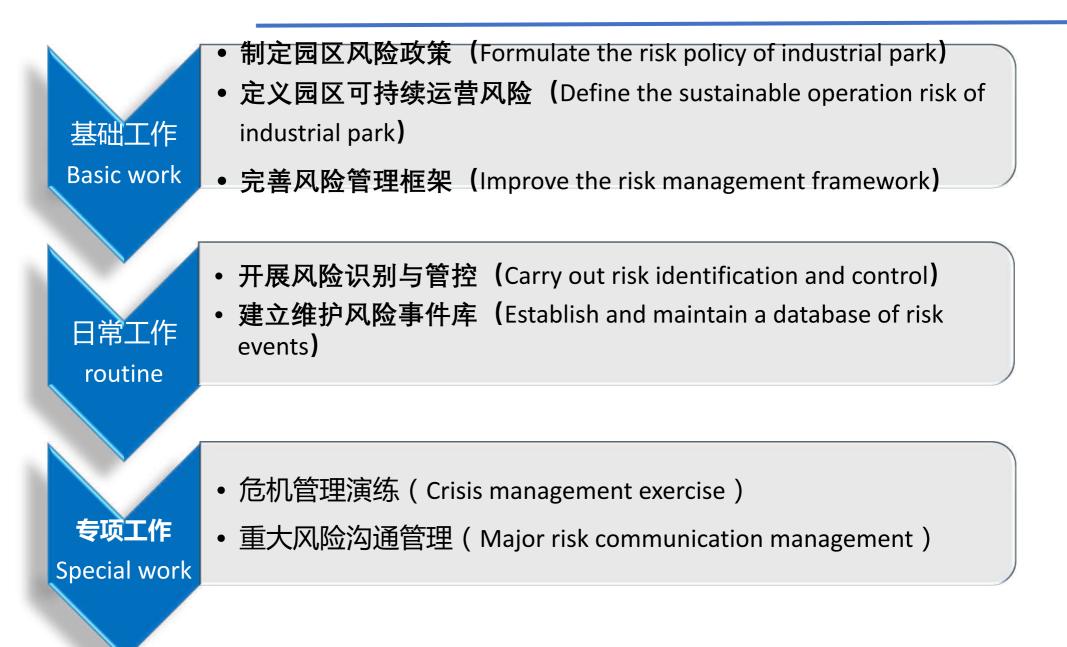
普及风险意识 awareness

Popularize risk

工业园区可持续风险管理基本框架

- ➤ 制定风险管理政策(Formulate the risk management policies)
- ➤ 确定风险评价标准(Determine the risk assessment criteria)
- > 跨边界的风险识别(Carry out risk identification across borders)
- 进行多维度的风险评价与排序(Carry out multi-dimensional risk assessment and ranking)
- ➤ 建立动态风险事件库(Establish a dynamic risk event database)
- ➤ 编制应急预案 (Draw up emergency plans)
- ➤ 全员参与风险管理(Full participation in risk

工业园区可持续运营风险管理的主要内容



工业园区可持续运营风险管理的模式

Risk Management Model of Sustainable Operation in

Industrial Park

危机应对模式 Crisis response mode

以防范常规风险为目标的被动风险管理模式

Passive risk management model with the goal of preventing conventional risks

以提升园区可持续性为核心的主动风险经营模式

Active risk management model with improving the sustainability of the park



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"一带一路"园区可持续运营风险管理策略

四项基本策略



"一带一路"工业园区可持续运营风险管理建议



制定工业园区风险管理战略,将风险管理融入园区建设运营 Formulate the risk management strategy of the industrial park and integrate the risk management into the construction and operation of the industrial park



开展尽职调查,全面分析政治、社会、文化、法律等环境 Conduct due diligence and make a comprehensive analysis of the political, social, cultural and legal



建立健全园区风险管理体系,建立风险识别与提示预警机制 Establish and improve the risk management system of the park, and establish a risk identification and warning

"一带一路"园区可持续运营风险管理建议



建立园区与入园企业的风险管理协同沟通机制 Establish a collaborative communication mechanism for risk management between the park and the enterprises entering the park.



注重风险管理团队建设, 普及园区与企业管理者的风险意识 Pay attention to the construction of risk management team and popularize the risk awareness of park and enterprise managers.



加强与利益相关方主动沟通,建立理解与信任,降低风险概率 Strengthen active communication with stakeholders, establish understanding and trust, and reduce risk



THANK YOU Q & A

联系方式: 13520009276 wangxg@rzcsri.org



北京融智企业社会责任研究院

3eijing Rongzhi Corporate Social Responsibility Institute





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Contents

Introduction to TEDA

Cooperation Zone

Comprehensive Development Overview of the Cooperation Zone Macro-Environment | Government's Concerns | Project Overview | Achievement Introduction | Project Progress

Significance of TEDA Cooperation Zone

Investment Guide of the Cooperation Zone Investment Environment | Preferential Policies | Investment Opportunities | Future Planning

< 01 >

1 Introduction to TEDA Cooperation Zone PART ONE

Macro-Environment | Government's Concern | Project Overview | Achievement Introduction | Project

Progress

Macro Environment

With the construction of China's "Belt and Road Initiative" and the continuous progress of Egypt's "Suez Canal Corridor Development Plan", the cooperation between China and Egypt in the fields of trade, investment and infrastructure has developed steadily and achieved great results.

As the second batch of state-level overseas economic and trade cooperation zones approved by the Chinese government, China-Egypt TEDA Suez Economic and Trade Cooperation Zone has received high attention from leaders of China and Egypt, careful guidance from the Chinese Ministry of Foreign Affairs and the Ministry of Commerce, strong support from the Tianjin Municipal Government, and all-round assistance from the China-Africa Development Fund since its beginning. Under the leading operation of TEDA investment Holding Co., Ltd, after more than 10 years of development and construction, it has gradually become one of the important platforms for China-Egypt economic and trade cooperation and cultural exchange.



CHINA

21世纪海上丝绸之路

丝绸之路经济带

EGY

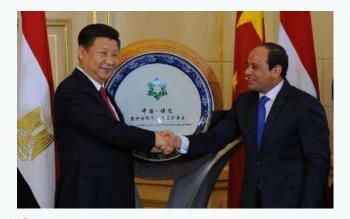
Government's Concern

Nov.7, 2009

The then Premier Wen Jiabao of the State Council of China the then Premier Ahmad Nazif of Egypt inaugurated for the Starting Area.



The Sole Overseas Cooperation Zone Awarded by Leaders of Two Countries for Two Times



Jan. 21, 2016

President Xi Jinping and President Sisi inaugurated for the Expansion Area.



Project Overview

Located in Suez Canal Special Economic Zone



Close to Ain Sokhna Port



The beginning of the Suez Canal Corridor



Complete and convenient surrounding facilities



Project Overview

- The total area of the starting area is 1.34 km², the accumulative investment is about USD 142million. Development is basically completed, and the land has been sold out.
- The total area of the expansion area is 6 km², it is planned to invest USD 230 million on the development. The accumulative actual investment is USD 71.7 million. The 2 km2 infrastructure construction of the first phase of the expansion area has been completed, and it is planned to start the second phase of infrastructure construction in 2019.

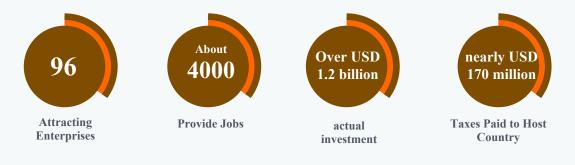


PART ONE

Project Overview



TEDA Cooperation Zone has attracted 96 enterprises, 40 of which are manufacturing enterprises. There are 56 supporting service organizations. Taxes paid was nearly USD 170 million,. At the same time, several industry leading enterprises have reached preliminary cooperation intentions with TEDA Cooperation Zone on investment and construction in the zone.





Project Overview

High industrial concentration and obvious radiation effect



New building materials

Petroleum

Petroleum High and low equipment voltage equipme Machinery

The Starting Area has been fully developed and formed four leading industries.

t voltage equipment manufacturing



The Phase 1 of infrastructure construction in the Expansion Area has been completed.

Starting Area: Four major industries of new building materials, petroleum equipment, high and low voltage equipment and machinery manufacturing
 Expansion Area: Four leading industries of passenger cars, textile, building materials and chemical industry



Achievement Introduction

Part of Enterprises settled in the Starting Area











Achievements Introductions Platform to Help Enterprises Take Off



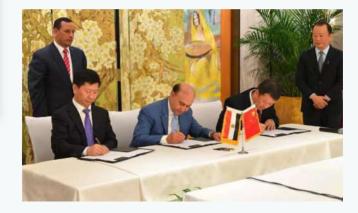
- ◆ January 2012 Foundation work starts
- End of 2013 Trial production of the first pool furnace wire drawing production line
- May 2014 Officially put into production. The annual output is 80,000 tons. The total investment is USD 223 million.
- ◆ July 2016 Phase 2 put into production with an annual output of 80,000 tons and a total investment of USD 188 million.
- September 2017 Phase 3 is completed and put into production with an annual output of 40,000 tons and a total investment of USD 169 million.
- August 2018 Jushi Egypt's glass fiber production base with an annual output of 200,000 tons was fully completed and put into production 4 years ahead of schedule.

In January 2012, China Jushi Co., Ltd. set up a wholly-owned subsidiary in Egypt, Jushi Egypt, which started the cooperation of China and Egypt in the field of glass fiber composite production capacity. At present, the total investment of Jushi Egypt has exceeded **USD 600 million**, and the localization rate of management positions has reached **90%**. The efficient operation of the project has enabled Jushi not to fear "Double opposition" and doubled its market share in the EU. The **annual output value** of the project exceeds **USD 220 million** and **foreign exchange earned from exports is close to USD 200 million**.



PART ONE

Achievements Introductions Platform to Help Enterprises Take Off



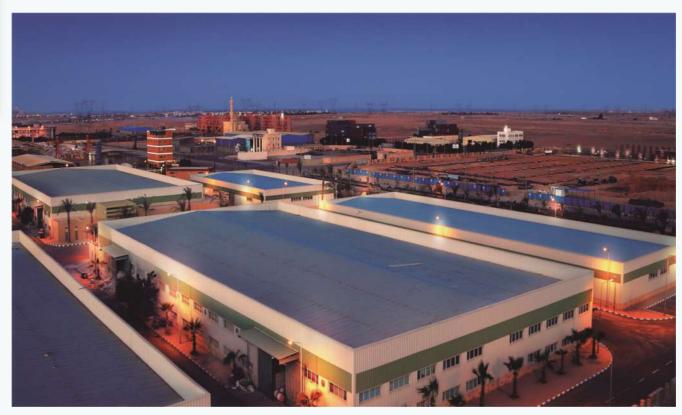
Xiamen Yanjan New Material Co., Ltd. set up a subsidiary in Egypt in March 2017, Egypt Yanjan, and successfully put into production in the third quarter of the same year, enabling the enterprise to develop rapidly. At present, **Egypt Yanjan has become an important supply point for expanding its markets in Europe, the Middle East and Africa**. Its product quality and operation management have been highly recognized by customers.

On July 16, 2018, Xiamen Yanjan signed a new contract with TEDA Cooperation Zone. The project plans to invest a total of **USD 36 million** to build a processing and manufacturing project for sanitary materials and related products. The overall planning of the project covers an area of about 133,000 square meters. The products will mainly provide global supply for internationally renowned brand companies. After the project is put into production, it will solve the labor and employment problems of more than 300 people and realize annual sales of USD 50 million after all of them are put into operation.





Achievement Introduction 12 Standard Factory Buildings





Achievement Introduction Eight-storey Investment Service Center Building





Achievement Introduction TEDA SWISS INN Hotel





Achievement Introduction

4 White-collar & Gold-collar Apartments



Achievement Introduction Supporting Service for Living

With living facilities such as Chinese supermarket, barbershop and restaurant, more comfortable investment environment for enterprises are provided.



Achievement Introduction Basic Property Service

Basic property service such as security guarding, clean-keeping, greening and maintenance for enterprises settled in the starting area are provided.



PART ONE

Achievement Introduction Basic Property Service

With soft service such as legal consultation, formality transaction and staff employment, "one-stop and a coordinated process" of high quality supporting service is provided for enterprises.





Achievement Introduction Theme Park













Project Progress (Expansion Area)





Project Progress (Expansion Area)



Water supply

13,500tons/day



Electricity

connection

20 megawatt



Fuel gas

connection

5,000m³/hour



Communication

2,000 Lines



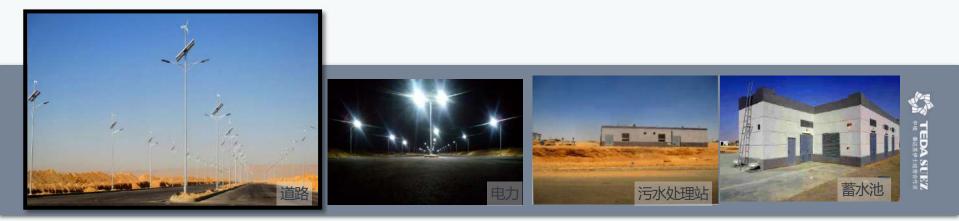
Road

connection

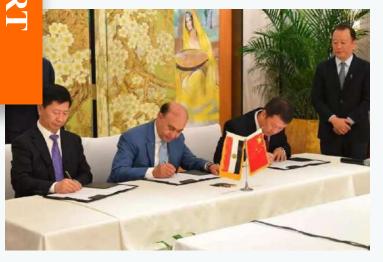
300,000 m²



Sewage treatment 10,000 tons/day



Investment Promotion of Expansion Area



- Ain Sokhna Logistics Company (Car City)

ONE

- Shaoxing Keqiao Leichu Knitting Co., Ltd.
- Golden Time Plastics Co., Ltd.
- Hong Kong Honghai Pulp and Paper Co., Ltd.

- Dayun Egypt Locomotive Co., Ltd. Xiamen Yanjan New Material Co., Ltd.
 - Tiantai Baizan Co., Ltd.
 - Tiancheng Renewable Resources Co., Ltd.
 - Egypt Fanyang Textile CO.,SAE
 - Zhejiang Cady Industry **CO.,LTD** Jiangsu Hengtong Photoelectric Co., Ltd.

As of March 2020, the Expansion Area of TEDA Cooperation Zone has attracted 15 enterprises to settle in, attracting over USD **200 million** of investment under the agreement and initially forming four major industrial clusters of passenger car, textile, building material and chemical industry.



- Jiangsu Hengtong Photoelectric Co., Ltd.
- Zhongxin industrial co. LTD
- □ Shandong Airpower Energy Saving Equipment Co., Ltd.
- □ Ningbo Gourmet Kitchenware Co., Ltd.
- O Golden Eagle Co., Ltd



Investment Promotion of Expansion Area

On May 15, 2019, Egypt's General Authority of Suez Canal Economic Zone approved to allow **import and export trade and the establishment of a logistics bonded project** in the Expansion Area of TEDA Cooperation Zone. Since then, Egypt-TEDA SEZone Development Company has become **the only Chinese enterprise that can carry out international logistics bonded, general trade and entrepot trade in Egypt**.

At present, TEDA Cooperation Zone is carrying out bonded trade and logistics business around **building materials and used cars**, promoting the construction of automobile industrial park projects, thus expanding the park's functions, forming cooperation between producers and traders, and closing trade exchanges between Tianjin and even China and the Middle East and North Africa.



Marketing Service Platform of the Park

The combination of international marketing public service platform and the industrial style town is a key measure for the comprehensive upgrading of China-Egypt TEDA Suez Economic and Trade Cooperation Zone. In the future, under the joint participation and active cooperation of the governments and enterprises of China and Egypt, this "test field" covering an area of 300,000m² will become an important platform for exploring and practicing "the Belt and Road" construction of five connections.

International Marketing Public Service Platform



PART TWO

Upgrading of Cooperation Zone



In April 2019, the General Administration of the Egyptian Suez Special Economic Zone and Tianjin Municipal Government signed the Memorandum of Understanding on Promoting the Accelerated Development of China-Egypt TEDA Suez Economic and Trade Cooperation Zone.



In the future, TEDA Cooperation Zone will be built into a sustainable developed green modern industrial new city and an important platform for international economic and trade cooperation zone between China and Egypt with international firstclass standard of production and living facilities, leading industrial clusters, complete industrial chain, strong radiation and driving capacity, and perfect public service system.

未来实现

未来十年,泰达合作区将建成以港城为依 托,以工业项目为主,涵盖多业态结构的 红海之滨现代化工业新城。

In next ten years, TEDA zone will be built to a modern industrial city with port and city as the basis, mainly with industrial projects, covering a variety of businesses along the Red Sea





02

Significance of TEDA Cooperation Zone PART TWO

Investment Environment | Investment Guarantee |

Investment Opportunities | Future Planning

Investment Environment - Political Stability

Internal Affairs

Egypt's current government enjoys high support and political stability. The government attaches great importance to the development of the national economy and hopes to improve people's livelihood by boosting the economy. Egypt ranked 8th in the world in the Gallup Law and Order Index in 2019 and 2nd in the Middle East and North Africa. In 2019, its global competitiveness index ranked 93rd.



Diplomacy

At present, Egypt has maintained good diplomatic relations with the United States, China, Russia and other major countries, which is conducive to obtaining more international support and international investment and enhancing political stability.

Investment Opportunities——Fit to National Strategy



China's "Belt and Road" Construction

Egyptian Suez Canal Corridor Development Plan

The TEDA Cooperation Zone has become the golden pivot and interchange of the two national strategies of China and Egypt since 2012:

One is the "Belt and Road" construction; the other is the "Revitalization Plan for Suez Canal Corridor"

The achievements of the TEDA cooperation zone have been recognized by the governments of China and Egypt. TEDA Cooperation Zone has become the representative project of China's "Belt and Road" construction, and entered the candidate projects of the first batch of "Silk Road Pearl" of the Ministry of Commerce, and was included in the list of China-Egypt capacity cooperation priority projects. As the industrial demonstration park in Egypt, TEDA Cooperation Zone is called "the most dynamic place in Egypt" and "the place representing the future of Egypt" by the General Administration of the Suez Canal Economic Zone in Egypt

Investment Opportunities——Fit to National Strategy Egyptian Suez Canal Corridor Development Plan

Egypt's Government plans to build the area of 76,000 km² of the canal corridor into parks of international industries, IT electronics and logistics.
It is planned to establish multiple industrial parks involving logistics, assembling, shipbuilding and navigation, construct infrastructures such as highway, airport and port, and develop multiple high-tech engineering projects.

The plan will drive investment and development of multiple industries such as rolled steel, building materials and engineering machinery.





5

Between Cairo and the Red Sea, the new capital is located in the east to Cairo, covering an area of 700 km². After it is established, it can accommodate 5 million people, with 1.1 million houses and 1.75 million of long-term work positions. It is estimated that USD 45 billion will be spent. It will drive development of Suez Canal Economic Belt and Red Sea Economic Belt powerfully and drive development of multiple industries such as cement, building materials, household appliances and decorative materials.

Investment Environment—Economic opening



Egypt is an open market economy with a relatively complete industrial, agricultural and service system. It is recognized as one of the best destinations of overseas investment in the world.

✓ High-quality professionals

Egypt's workforce has proficient skills and a high level of professionalism.

✓ Lower corporate income tax

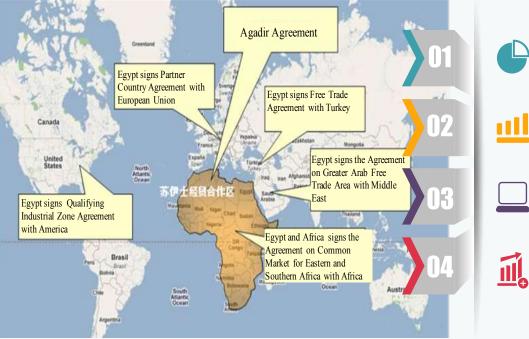
Egypt is one of the countries with the most favorable corporate income tax rate in the world, and its tax environment is more conducive to enterprise development.

Radiation power in the markets of Africa, Middle East and Europe

Egypt is located at the border of Africa, Mediterranean Region and Europe, where overseas companies are more likely to sell and operate in the Africa, Middle East and European markets.

PART TWO

Investment Opportunities—— Advantages of International Market with Bilateral and Multilateral Trade Agreements



Egypt has signed multiple bilateral and multilateral trade agreements with major economic entities in the world, such as America, European Union, Middle East and Africa.

The products won't be restricted by quantitative quota or seasonal quota.

Can enter markets of America, European Union, Africa, Turkey and Arab countries easily.

Corresponding tariff barriers or non-tariff barriers are exempted or avoided.

Investment Opportunity –

Framework Agreement for African Continental Free Trade Area

On July 7, the African Union held its 12th special summit in Niamey, the capital of Niger, announcing the launch of the African Continental Free Trade Area (AfCFTA). Of the 55 members of the African Union, 54, including **Egypt**, have signed the agreement and 27 have submitted their ratification documents to the African Union Commission after they have been approved in accordance with their respective legal procedures. The summit also launched five documents supporting the operation of the free trade area, namely, **the agreement of origin**, **the online consultation forum**, **the mechanism for monitoring and reducing non-tariff barriers**, **the digital payment system and the African trade observation portal**.

The African Free Trade Area is one of the most ambitious projects in the *African Union's Agenda 2063*. The African Union estimates that **the trade volume within the African continent will increase by 60% in 2020**. AfCFTA will form a huge market with a population of 1.2 billion and a total economic volume of USD 2.5 trillion, becoming the largest regional free trade area in the world.





合格工业区协议



Egypt has a total of 15 qualified industrial zones. China-Egypt TEDA Suez Economic and Trade Cooperation Zone enjoys preferential policies among these 15 qualified industrial zones.

According to the provisions of the Qualified Industry Agreement, products exported from the TEDA Cooperation Zone to the United States **can be exempted** from customs duties entirely when entering the United States market as long as they contain at least **10.5%** of Israeli industrial materials or services and **24.5%** of Egyptian industrial materials or services.

Investment Guarantee—— National Escort

The 3-Level negotiation mechanism for the TEDA Cooperation Zone has been fully established

Agreement Between The Ministry of Commerce of the People's Republic of China and The General Authority for the Suez Canal Economic Zone Of The Arab Republic of Egypt On The Suez Economic and Trade Cooperation Zone



THE MINISTRY OF COMMERCE OF THE PEOPLE'S REPUBLIC OF CHINA

THE GENERAL AUTHORITY FOR SUEZ CANAL ECONOMIC ZONE OF THE ARAB REPUBLIC OF EGYPT

China and Egypt has built up "comprehensive strategic partnership" and they propel mutual development in multiple fields such as politics, economy, trade and science and technology. The two countries established 3-level negotiation mechanism for the Cooperation Zone, which confirmed the legal status of the TEDA Cooperation Zone and can promote different levels to assist in solving difficulties of the TEDA Cooperation Zone.



2017·04·03 The Management Committee of the TEDA Cooperation Zone was unveiled.



2017·07·27 The Intergovernmental Coordination Committee of the TEDA Cooperation Zone was established.



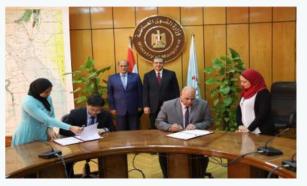
2018·12·02 The Intergovernmental Second Coordination Meeting of the TEDA Cooperation Zone was held.

Investment Guarantee - Human Resources TEDA Cooperation Zone X Egyptian Ministry of Human Resources



On August 28, 2019, counsellor Han Bing of the Economic and Commercial Counsellor's Office of the Chinese Embassy in Egypt, on behalf of the Chinese government, reached an agreement with Yehia Zaki, Chairman of the General Authority of the Suez Canal Economic Zone in Egypt, on China Aided Vocational and Technical Training Center Project of Egypt's Suez Canal Economic Zone to be Located in the Expansion Area of the TEDA Cooperation Zone, and signed for confirmation. The project is planed to cover an area of 40,000 square meters. It will be equipped with teaching buildings, dormitories, training rooms, canteens and exercise yards and so on. It is planned to set up majors such as machinery, electricity, renewable energy, automobile assembly and maintenance, industrial robots, electronic product design and manufacture, assembly and maintenance, and communication network technology to train practical professional and technical personnel for the local region.

On October 10, 2019, witnessed by Egypt's Minister of manpower ministry Mohamed Safaan, Egypt-TEDA SEZone Development Company and Suez manpower ministry signed an agreement on human resources cooperation. According to the agreement, TEDA Cooperation Zone will help promote the local employment rate by providing a large number of high-quality jobs. Suez manpower ministry will provide skilled and trained workers according to the employment demands of TEDA Cooperation Zone and the enterprises settled in the zone to form win-win cooperation.



PART TWO

Investment Guarantee ——Risk Prevention and Control

👔 Personal Safety

The Cooperation Zone has built good relationship with the military of Egypt and it has established the combined service mechanism and combined safety protection group together with the police and the local Bedouins to enhance the linkage and interactions between the two parties in emergency and guarantee the safety of enterprises, staffs, property and assets of the industrial park. Various Service Company was established in the Cooperation Zone and professional safety guarding team has been employed. Through construction of stereoscopic and comprehensive safety guarding system, we improve the investors' personal safety overseas.



Working in close collaboration with the financial platform to provides overseas investment insurance for enterprises entering the Cooperation Zone to guarantee that the overseas investment and vested interest of the enterprises are protected from damage caused by political risks such as expropriation, exchange restriction, war, political rebellion and government default, which has reduced the overseas investment risks of the enterprises to a great extent.



新华网开罗9月21日电(记者王振华李来 房)红海北端苏伊士湾西岸广袤的沙漠地带 ,有一个埃及政府近年设立的苏伊士湾西北 经济区,面积90多平方公里。中国-埃及 苏伊士经贸合作区,正在这里谱写着两国经 贸合作互利共赢的新篇章。

中国-埃及苏伊士经贸合作区是为推动中非 合作,中国在非洲国家建立的对外经贸合作 区之一,由天津经济技术开发区(泰达)主 导运营,埃及当地公司参与合作,经过开发 和建设,目前已成为中国境外最好的经贸合 作区之一。

合作区经受住了今年年初埃及动荡局势的考 验。事实证明,这种以集约化圈区形式到境 外进行投资开发的新方式可以有效提升中国 企业在国外的影响力,促进当地经济发展, 同时也可有效规避和减少投资风险,成为中 国与埃及乃至与非洲地区进行经贸合作的成 功范例。当前,一些国内大型企业正计划在 这一合作区进行大规模投资。





The Future of TEDA Cooperation Zone

The future is here



At present, in order to actively implement the instructions and requirements of the leaders of China and Egypt on the construction of the TEDA Cooperation Zone, the TEDA Cooperation Zone will be comprehensively upgraded from six aspects such as optimizing the business environment, accelerating industrial agglomeration, expanding the functions of the zone, promoting the linkage between the two zones, improving financial services and promoting people-to-people exchanges.

In the future, with the continuous advancement of the national "Belt and Road Initiative" construction, TEDA Cooperation Zone will surely become a development center along Africa and even the entire "Belt and Road Initiative".

TEDA Cooperation Zone is willing to build the best overseas investment platform and production capacity transfer base for domestic enterprises willing to "go global" and strive to build a demonstration zone for economic and trade cooperation between China and Egypt and even the world.





THANK YOU FOR Listening

Welcome to pay attention to WeChat Official Account of China-Africa TEDA



CHINA-AFRICA TEDA INVESTMENT CO., LTD





China National Petroleum Corporation (CNPC)

Investment status, Opportunities, Risk outlook

in Central Asia

CNPC Economics & Technology Research Institute (ETRI)

December 2020



I. Investment status of CNPC in Central Asia
II. Future Investment Opportunities
III. Investment risk outlook



CNPC has formed integrated upstream, midstream and downstream cooperation in Central Asia

CNPC entered Central Asia in 1997, and after more than 20 years of hard work and entrepreneurship, it has formed a full industry chain cooperation integrating oil and gas exploration and development, pipeline construction and operation, engineering services, refining and sales.

Currently, CNPC operates 11 upstream cooperation projects in four Central Asian countries:

Kazakhstan: Aktobe Project, Kashagan Project, North Buzachi Project, KAM Project, PK Project, MMG Project

Turkmenistan: Amu Darya Project

Uzbekistan: Mingbulak Project, Silk Road Project, Aral Sea Project Tajikistan: Pakhtar Project



China-Kazakhstan Crude Oil Pipeline

Completed China-Kazakhstan crude oil pipeline with a capacity of 20 million tonnes/year of oil supply to China and a cumulative supply of over 120 million tonnes of oil to China.



4



Central Asia-China Gas Pipeline

Completed the Central Asia ABC Line gas pipeline, with a gas transmission capacity of 55 billion cubic metres per year to China and a cumulative gas supply to China of over 280 billion cubic metres.





Central Asia Line D Gas Pipeline

China is constructing the Central Asia Line D gas pipeline, which will increase Central Asia's gas supply capacity to China by 30 billion cubic metres per year in the future.





PK Refinery

The PK Refinery is a complementary facility to the PK upstream project, with a refining capacity of 6 million tonnes per annum.





Central Asia becomes an important cooperation region for CNPC's international business strategy

- ✓ It is the region with the most important overseas position, the most complete business chain and the strongest scale strength of CNPC
 - Upstream production scale of 30 million tonnes of oil equivalent
 - Strategic oil and gas corridor in the northwest, with a crude oil transmission capacity of 20 million tonnes and a natural gas transmission capacity of 55 billion cubic metres; cumulative oil transmission to China of over 100 million tonnes and 180 billion cubic metres
 - With a refining capacity of 6 million tonnes, the Shymkent refinery has been operating safely and smoothly for over 15 years



Good track record of CSR

- CNPC has always adhered to the concept of "mutually beneficial and win-win cooperation and common development" in Central Asia, and has conscientiously fulfilled their CSR, with a number of projects winning awards from the governments of resource countries.
- ✓ Vigorously implementing localisation, providing over 30,000 jobs in the region.
- ✓ The CNPC-assisted Kazakhstan Dance Academy was awarded the title of national higher education unit by the President of Kazakhstan, creating favourable conditions for humanistic exchanges between China and Kazakhstan.





Promoting "Belt and Road" initiative strategic cooperation

- ✓ China's oil and gas cooperation with Central Asian countries has been fruitful for more than 20 years and has played a leading role in the construction of the "Belt and Road".
- ✓ CNPC has made Central Asia a core oil and gas cooperation zone, which is of great significance for safeguarding China's energy security and for developing a stable cooperation relationship between China and Central Asia with good neighbourliness as the core.



I. Investment status of CNPC in Central Asia
II. Future Investment Opportunities
III. Investment risk outlook





II. Future Investment Opportunities

The oil and gas industry is the backbone of economic development in resource countries

- The economic development of Central Asian countries is closely linked to oil and gas revenues, which are an important component of the GDP of resource countries
- Central Asian oil and gas exports account for half of total export earnings of resource countries

2019 Central Asian countries' oil and gas revenues in US\$ billion

	Kazakhstan	Turkmenist an	Uzbekistan	Tajikistan	Kyrgyzstan	Azerbaijan	Total
Oil and gas revenue	279	28	7.6	0. 08	0. 08	119	433. 8
Total GDP	1793	407	504	75	83	471	3333
Oil and gas revenues as a percentage of GDP	15. 6%	7%	1. 5%	0. 1%	0. 1%	25. 3%	13%
Oil and gas exports	412	97	40	0	0	172	721
Total exports	611	112	109	11	18	195	1056
Oil and gas as a percentage of total exports	67%	86%	37%	0%	0%	88%	68%

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- Oil and gas is the cornerstone of stability and development in Central Asian countries
 - Use oil and gas as a medium to promote energy diplomacy. Develop relations with China, Europe and South Asian countries on the basis of resources and pipelines.
 - Using oil and gas as a source of wealth, the livelihoods and social stability is guaranteed by providing cheap energy and improving social welfare. The price of oil and gas for civilian use is heavily subsidised in Kazakhstan, Turkey and Afghanistan; the price of petrol is lower than the global average price of petrol.
 - Oil and gas drives rapid economic development. Industry in Central Asian countries provides ample power support to drive sustained and stable development of regional industry.

		an				China	Unite d State s	Globa I
Natural gas US\$/square	(17)	(19)	(19)	(16)	(19)		0. 33 (19)	_
Petrol 95 USD/litre	0. 48 (17)	0. 43 (19)	0. 93 (19)	0. 74 (16)	0. 62 (19)	0. 9	0. 66 (19)	0. 97

Civilian oil and gas prices in Central Asian countries



- 1. Upstream cooperation base
- Relatively rich in oil and gas resources
 - Significant oil and gas resources remain to be discovered
 - Oil resources to be discovered mainly in Kazakhstan, gas mainly in Turkmenistan
 - Mainly in the Amu Darya basin, Caspian basin and South Caspian basin

Distribution of oil and gas resources to be discovered in Central Asia

	(Dil	Natural gas			
Country	billion Percentag		Trillion	Percentag		
	tonnes	e, %	cubic metres	e, %		
Kazakhstan	28.8	56	3.5	15		
Turkmenistan	5.0	10	14. 8	65		
Uzbekistan	2.8	5	2.9	13		
Tajikistan	0.1	0	0.0	0		
Kyrgyzstan	0. 2	0	0.0	0		
Azerbaijan	14. 8	29	1.6	7		
Regional Subtotal	51.6	100	22. 8	100		
Percentage of world	4. 0%		3. 5%			

		0il	Natural gas			
Basin	Billion barrels	Percentage, %	Trillion cubic metres	Percentage, %		
Bin Caspian Sea Basin	203	49	2. 2	9		
South Caspian Basin	99	24	1.5	6		
Amu Darya Basin	35	9	19. 5	79		
South Turgai Basin	31	8	0. 1	0		
Northern Ust-Kurt Basin	10	2	0. 1	0		
Ferghana Basin	10	2	0. 1	0		
Other basins	24	6	1.4	5		
Regional Subtotal	412	100	24. 9	14 ¹⁰⁰		



➤ Low level of exploration

Only 7% of the total basin area is in a mature state of exploration

Over 60% of the basin is in a preliminary state of exploration

Extent of basin exploration in Central Asia

Degree of exploration	Well control area (km2)	Number of basins	Basin area (million square kilometres)	2D Earthquake (million kilometres)	(million square	Wildcat Wells (mouth)	Area share (%)
High maturity	0-99	3	7	0.8	0.3	746	0. 8
Mature	100-299	9	52	9. 7	1.7	2882	6. 3
Relatively mature	300-999	19	108	12. 2	2.5	2514	13.0
Less mature	1000 or more	14	151	3. 5	0.8	667	18. 2
Preliminar y Exploratio n	Very few exploratory wells	59	510	0.8	0. 1	88	61. 7
Total		104	828	27. 0	5. 4	6897	100

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Uneven distribution of resources and poor exploration prospects in the vast majority of the basin

80% of oil reserves are concentrated in 5 basins

85% of gas reserves are concentrated in 4 basins

2/3 of the basins are poorly explored prospectively, accounting for 3/4 of the basin area in the region

Basin exploration prospectivity in Central Asia

Evaluation	roo	vered oil serves	Discovered g	as reserves	Discovered or reserved	-	Number	Basin area	Area share (%)
Exploration Vision			Trillion cubic metres	Percentag e, %	Billion barrels of oil equivalent	Percentag e, %	Number of basins	(million caused)	
Excellent	15. 9	40	2. 82	77	193	71	5	73	8.8
Better	18. 7	47	0. 26	7	35	13	11	67	8. 0
Moderate	5. 2	13	0. 57	16	41	15	11	42	5. 0
Limited	0. 2	1	0. 02	1	1	0	8	40	4. 8
Poor	0. 1	0	0. 00	0	0	0	69	607	73. 3
Total	40. 0	100	3. 67	100	271	100	104	828	100



- Large remaining reserves, low level of exploitation and high potential for increased production
 - Remaining recoverable reserves of oil are mainly located in Kazakhstan
 - Remaining recoverable reserves of natural gas are mainly located in Turkmenistan
 - Low levels of both oil and gas recovery

Extent of oil and gas exploitation in Central Asian countries

Country Cumulative oil Country production (billion tonnes)	Cumulative oil	Remaining recoverable reserves of oil		Cumulative natural gas production	Remaining re-	Degree of exploitation, %		
	billion tonnes	Percentage, %	(trillion cubic metres)	Trillion cubic Percentage, metres %		0il	Natural gas	
Kazakhstan	6. 3	39.3	75	0. 7	0.9	4	14	42
Turkmenistan	2. 9	2.7	5	2.5	17.6	77	52	12
Uzbekistan	2. 2	0.8	2	2. 3	3. 0	13	73	68
Tajikistan	0.0	0.0	0	0. 0	0.0	0	0	0
Kyrgyzstan	0.0	0. 1	0	0. 0	0.0	0	25	60
Azerbaijan	18. 3	9.6	18	0. 6	1.2	5	66	32
Regional Subtotal	29.7	52. 5	100	6. 1	22.7	100	36	23
Percentage of world's total	-	3%	-	_	11%	_	_	-



> Steady growth in future oil and gas production

Average annual growth rates of 2.6% and 4.7% for oil and gas production in Central Asian countries until 2030

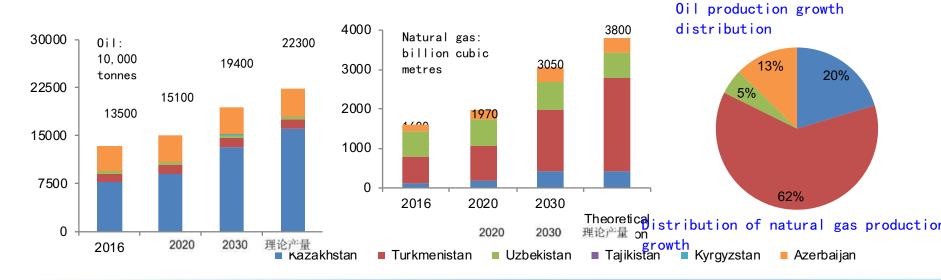
2%

92%

3%%

Oil production growth mainly from Kazakhstan Gas production growth mainly from Turkmenistan

Changes in oil and gas production in Central Asia





- Many projects to be developed, high potential to increase production
 - Oil projects to be developed mainly in Kazakhstan
 - Natural gas projects to be developed mainly in Turkmenistan
 - The distribution of oil resources to be exploited is roughly equal between land and sea; gas resources to be exploited are mainly located onshore, accounting for 83% of the total

Oil and gas projects to be developed in Central Asia

	Number of oil fields		Recoverable Reserves		Peak production		Number of gas fields		Recoverable Reserves		Peak production	
Country	Numb er		billion tonnes		million tonnes	Percent age	Numb er	Percent age of	cubic	Percent age of		Percent age of
Kazakhstan	157	63%	4. 26	76%	3160	81%	79	27%	5403	15%	485	19%
Turkmenistan	18	7%	0. 26	5%	123	3%	109	38%	24606	67%	1560	62%
Uzbekistan	37	15%	0. 15	3%	85	2%	85	30%	2661	7%	166	7%
Tajikistan	3	1%	0	0%	0	0%	0	0%	0	0%	0	0%
Kyrgyzstan	2	1%	0. 01	0%	0	0%	2	1%	7	0%	0	0%
Azerbaijan	34	14%	0. 93	17%	514	13%	13	5%	4059	11%	325	13%
Total	251	100%	5. 61	100%	3882	100%	288	100%	36736	100%	2536	100%



- 2. Refining industry cooperation base
- Refinery equipment is old, processing depth is inadequate and modernisation is required
 - The processing depth is generally below 75% and the products are mainly of Euro III standard
 - Four refineries are being renovated and upgraded, with processing depths of over 80% proposed and products upgraded to Euro IV and Euro V standards
 - Six refineries are available for modernisation





> Structural shortage of refined oil

- Gasoline and paraffin are in short supply, diesel is in oversupply
- Kazakhstan imports full range of refined oil products with largest shortfall
- Consumption of refined oil products in Uzbekistan is severely constrained
- Turkmenistan and Azerbaijan are the main exporters of refined oil Balance of Stoppy and demand for refined oil products in Central Asian countries in 2018

		Kazakhstan	Turkmenistan	Uzbekistan	Kyrgyzstan	Tajikistan	Azerbaijan	<mark>Central Asia</mark>
	Capacity	399	261	115	22	0. 1	119	916. 1
	Consumption	458	150	106	80	17. 4	128	939. 4
I	Net imports	59	-111	-9	58	17. 3	9	23. 3
	External dependence	13%	0%	0%	72%	99%	7%	2. 5%
	Capacity	467	277	108	8	1. 7	199	1060. 7
	Consumption	477	208	108. 2	75	22	126	1016. 2
Diese	Net imports	10	-69	0. 2	67	20. 3	-73	-44. 5
I	External dependence	2%	0%	0. 2%	89%	92%	0%	4. 4%
	Capacity	39	47	19	0	0	70	175
D £	Consumption	11	0	19	0. 1	0	36	66. 1
Paraf fin	Net imports	-28	-47	0	0. 1	0	-34	-108. 9
	External dependence	0%	0%	0%	100%	0%	0%	0%
	Capacity	905	585	242	30	1.8	388	2151.8
	Consumption	946	358	233. 2	155. 1	39. 4	363	2094. 7
Total	Net imports	41	-227	-8.8	125. 1	37. 6	-98	-130. 1
	External dependence	4. 3%	0%	3. 7%	80%	95%	26%	6. 2%



- Current planning cannot meet the demand for refined oil products and the shortfall will continue to grow
 - The main shortfall in the short term is from Uzbekistan and in the long term from Kazakhstan
 - Stable shortfall of 8 million tonnes of refined oil products by 2030
 - Without new refineries, there will be a shortfall of 13 million tonnes of refined oil products in 2035

Supply and demand forecasts for refined oil products in Central Asia





3. Basis for chemical cooperation

- The petrochemical industry is backward in development, with small-scale projects, low production capacity and a single product range
 - Five major petrochemical projects in the region, all with an annual capacity of less than 500,000 tonnes and all with only three to four product varieties
 - Ethylene production capacity is spread across Uzbekistan, Kazakhstan and Azerbaijan, with a total capacity of less than 500,000 tonnes/year, comparable to the level of the Middle East in the 1980s (640,000 tonnes of ethylene capacity in the Middle East in 1984)

	Project name	Production capacity	Notes
Kazakhstan	United Kazakh Chemical Company	15,000 tons/year of BOPP film, 48 million polypropylene bags/year, 4,100 tons of polyethylene film	Natural gas chemical project, with plans to add new butadiene and synthetic rubber production units and 233,000 tonnes/year of urea production equipment
	Kazakhstan Ammonia Fertilizer Company	110,000 tons/year of liquid ammonia, 150,000 tons/year of nitric acid and 170,000 tons/year of ammonium nitrate	Natural gas chemical projects
Uzbekistan	Shultan Gas Chemical Complex	140,000 tonnes/year of ethylene and 125,000 tonnes/year of polyethylene	Natural gas chemical projects
	Ustyurt Gas Chemical Complex	387,000 tonnes/year of polyethylene, 83,000 tonnes/year of polypropylene and 102,000 tonnes/year of cracked gasoline	Natural gas chemical projects
Azerbaijan	Azerbaijan State Oil and Chemical Company	· · ·	Petrochemical project with two petrochemical plants, Azerikimya and Petkim, built in 2003 and 1965 respectively

Existing chemical projects in Central Asian countries



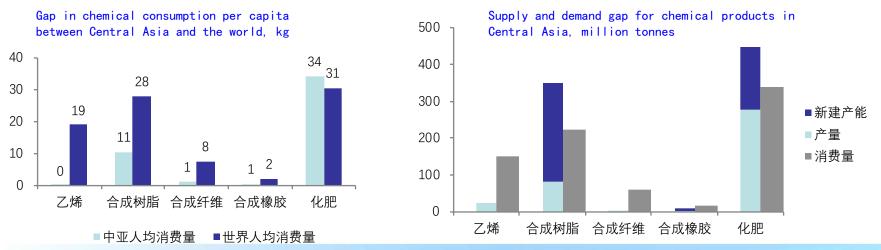
> Low production of petrochemicals and consumption levels below world per capita

- Central Asia relies heavily on imports of petrochemicals from China, Russia and other countries
- In terms of world per capita consumption, except for fertilizers, the rest of the petrochemical products consumption are low, consumption is limited by the supply, the total shortage of nearly 4 million tons, of which synthetic resin shortage is the largest

The planned projects still do not meet the needs of the region

Ethylene, synthetic fibres and synthetic rubber will not be able to meet demand when the planned projects come on stream

There is spare capacity for synthetic resins and fertilisers for export





4. Basis for pipeline cooperation

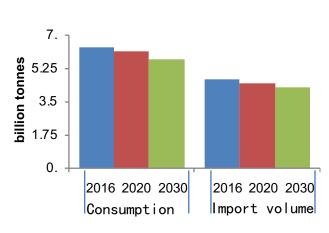
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- A well-developed oil pipeline network with existing export capacity to meet export needs to 2030
 - Low utilisation of export pipeline at present, with Kazakhstan and Azerbaijan being the main exporters
 - 155 million tonnes of crude oil expected to be exported in 2030, with pipeline capacity still available to meet export needs
- Declining European demand constrains westward exports
 - European crude oil consumption is projected to fall by 10% and imports by 9% in 2030 compared to 2016

	Export		Length	Capa	city	2016	
Country	Direction	Pipeline name	(kilometre s)	2016	2030	Transport volume	Utilizat ion rate
Kazakhsta	China	China-Kazakhstan Crude Oil Pipeline	3000	2000	2000	380/1080	54%
n	Russia and Europe	CPC Pipeline	1580	6700	6700	4430	66%
		Atyrau-Samara Pipeline	695	2800	2800	1500	54%
		Port of Aqtau		1100	1100	320	29%
		BTC Pipeline	1770	5000	5000	2880	58%
Azerbaija n	Furana	Baku-Supsa pipeline	837	750	750	303	40%
ľ		Baku-Novorossiysk pipeline	1360	500	700	122	24%
Turkmenis tan	Europe	Ports of Turkmenistan		660	660	460	70%
Total				18850	19050	11095	59%

Major oil export corridors in Central Asia 10,000



Note: / First is the country's export volume through the pipeline, / Second is the total pipeline transport volume 25

Changes in European oil consumption and imports



(2) Natural gas

> Well-developed gas pipeline network to meet export needs to 2030

- Central Asia's gas exports all via pipeline
- Turkmenistan is a major exporter with low utilisation of export pipelines
- A number of gas export pipelines are under construction
- 160 billion cubic metres of gas expected to be exported in 2030, with sufficient pipeline capacity

				Capacity		2016	
Country	Direction of export	Pipeline name	Length (kilometres)	2016	2030	Transport volume	Utilizatio n rate
	Russia	Russia Central Asia - Central (CAC)		600	600	11/192	32%
	China	Central Asia Gas Pipeline ABC Line	1818	550	550	294/341	62%
Turkmenistan	Iran	Krpeze Koldkuy	226	80	80	67	34%
		Dovreitabad-Hangeland	180	120	120	07	34%
	China	Central Asia Line D	1000	-	300	-	
	India	TAPI pipes	1800	-	330	-	
Uzbekistan	Russia	Bukhara-Ural	4500	80	80	36	45%
		South Caucasus Gas Pipeline (SCP)	885	90	250	86	96%
Azerbaijan	Europe	Trans-Anatolian Gas Pipeline	1700	-	200	-	
		Trans-Adriatic gas pipeline	800	-	100	_	
Total				1520	2350	722	42%

Major gas export pipelines in Central Asia

Billion cubic metres





Thanks!







SPECIAL ECONOMIC ZONES AND INVESTMENT OPPORTUNITIES IN PAKISTAN

CHINA-PAKISTAN ECONOMIC CORRIDOR AUTHORITY



Sequence

- Population, work force and skills development
- Imports
- Business environment
- Geo-strategic location
- Legal Regime on Investment
- Investment Policy
- SEZs under CPEC
- Why invest in Pakistan?

Population and Work Force in Pakistan

• Estimated population of Pakistan in 2019

211.17 million.

- Composition skewed towards working age (15-64) population.
- Population falling in the age group of 15-64 years

61.4 percent

- If this demographic dividend is harnessed and skills are imparted to youth to meet domestic and international market requirements, it would increase industrial productivity at home and higher remittances from abroad.
- The Government focusing on employment generation through industrialization and skill development.



Population and Work Force in Pakistan



- 9th largest labour force in the world
- Population growth rate of 1.94 percent.
- Large number of young labour force is being added every year.
- According to the Labour Force Survey 2017-18 the total labour force was **65.5 million** in Pakistan.
- For the first time in Pakistan, a National Job Portal has been introduced to link skilled workers with employers.
- Skill profiles of more than 550,000 youth are available on the National Job Portal.

Population and Work Force in Pakistan



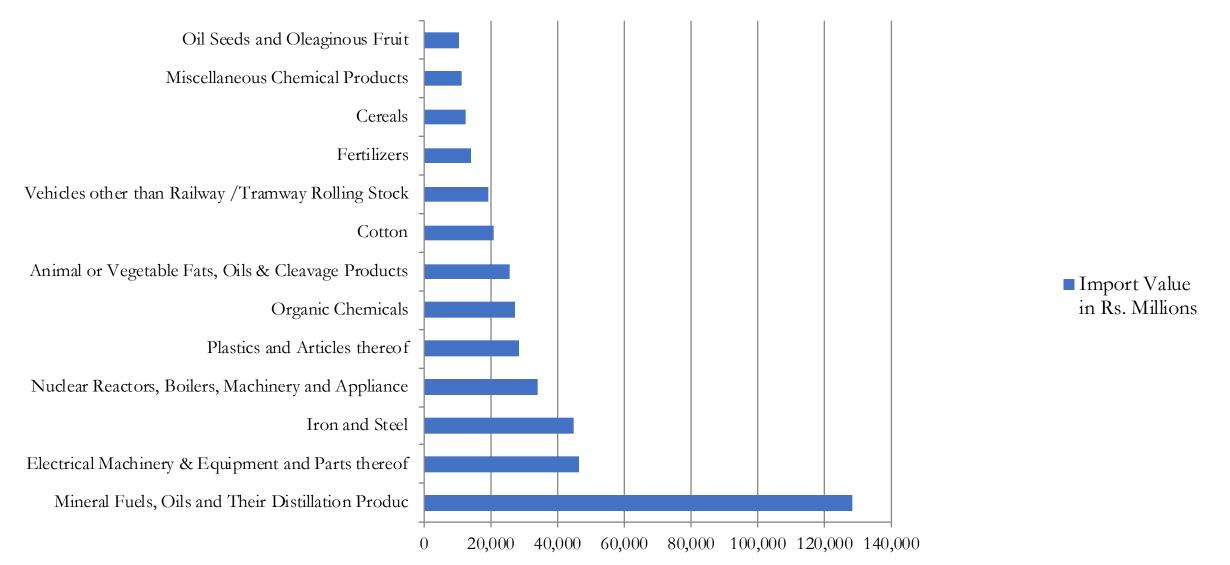
- National Vocational and Technical Training Commission (NAVTTC) is executing nationwide targeted skill development programme which focuses on preparing skilled workforce for the local and international labour market.
- Internationally recognized Competency based training (CBT) modules have been introduced in the country to replace the traditional mode of training.
- More than 200,000 youth have been trained by targeted training programmes so far.
- Additionally, NAVTTC has also established Job Placement Centers (JPCs) at Islamabad, Karachi & Lahore and more than 100 Vocational Counseling Centers (JP&VCCs) across the country for the benefit of youth.

Major Imports of Pakistan



Mineral Fuels, Oils, Distillation Products	Electrical, Electronic 8.5%	Animal, Vegetable Fat and Oils, Cleavage 3.99	s Oth Rai Tra	nicles ler Than lway, mway .9%	Oil Seed, Oleagic Fruits, Grain, Seed, Frui	
FIGUUCIS	0.070	Pharmaceutical Products	Manmad Filament	e Ships, Boats, and Other Floating Structures	Edible Veg etables and Certain Roots and Tubers	, Fertilizers
	Iron and Steel	1.6%	1.3%		1.2%	1.2%
		Articles of Iron or Steel	Manmade Staple	1.270	1.2.70	1.270
	6.2%	1.5%	Fibers			
000/	Organic Chemicals	Miscellaneous Chemical Products	1.2%	1.0%	1.0% 0.9	99%
29%	Organic Orienticais	1.5%	Aluminum	Copper		
Machinery, Nuclear Reactors,	4.7%	Optical, Photo, Technical, Miedical Apparatus	Other Made Textile	Pulp of		
Boilers	Plastics	1.5%	Edible Fruits,			
9.4%	4.40/	Coffee, Tes, Mate and Spices	Wood and			
9.470	4.4%	1.3%	Essential			

Major Imports of Pakistan



Ease of Doing Business in Pakistan



- Consistent efforts to improve business environment in the country.
- Since 2016, almost 300 reforms implemented to improve investment climate in the country.
- Pakistan improved 39 positions in EODB ranking in the last two years and clinched the 108th position out of 190 in 2020.
- Recognized as the top reformer in South Asia and sixth reformer in the world.
- Moreover, for Doing Business report 2021, more reform actions and 30 data challenges have been submitted to the World Bank and it is expected that Pakistan will register further improvement this year.



The World Bank report, Private Participation in Infrastructure (PPI) 2020 Half Yearly, states that Pakistan had the **fourth highest investment commitments**, a new entrant to the top five countries this year with \$1.9 billion of investment commitments in the first half of 2020, accounting for 0.69 per cent of GDP.

Geo-Strategic Location of Pakistan



- Situated in South Asia, Pakistan is a gateway to Central Asia. Through Arabian Sea, provides an easy access to the Middle East.
- Lies in the neighborhood of China and India the economic giants of future.
- Among the innumerable gifts bestowed upon Pakistan by nature, one of the most important ones is its ideal and highly strategic geographical location.
- Strategic location of Pakistan makes it the hub of international trade and commerce, opening up new doors of progress and prosperity for local as well as foreign investors.

Geo-Strategic Location of Pakistan



- The **Karakoram Highway** connects both the countries and is known as the 8th wonder of the world.
- This road is actually a trade link between 3 billion people of the region with the rest of the world.
- Gwadar Port a natural strategic warm-water deep sea port vital to compliment trade.
- Pakistan has 3 Seaports from where international trading activities take place; Karachi, Port Qasim and Gwadar, being linked to China through a network of highways and upgradation of rail link.
- Goods produced in China would cover half the distance for trade with the western countries. When routed through Pakistan.

Legal Regime on Investment in Pakistan



- Pakistani domestic legal regime on investment (Foreign Private Investment Act of 1976, Furtherance and Protection of Economic Reform Act of 1992, Investment Policy 2013) provides the basis for the core protection guarantees which are applied equally to both foreign and domestic investors.
- Under the legal regime, foreign investors can

A. Repatriate profits, dividends or any other funds in the currency of the country from which the investment originates.

- B. Own 100% equity of allowed businesses
- Entire procedure online end to end automation among 9 departments.
- Registering a company does not involve human intervention.

Legal Regime on Investment in Pakistan

- AUTHORITY
- The company can now be registered in one day with the Securities and Exchange Commission of Pakistan (SECP) on its online platform.
- Under the "**Pakistan Regulatory Modernization Initiative**", Pakistan has embarked on mapping, simplification, elimination and automation of unnecessary regulatory requirements of overall regulatory regime in Pakistan to minimize interaction of businessmen with the Government.
- Liberal Foreign exchange regime as compared to other developing countries

Investment Policy in Pakistan



- The Pakistani government is carrying out an active foreign investment promotion policy (Investment Policy, 2013), and has taken a number of economic liberalisation measures to make the country more attractive.
- Pakistan offers a number of tax incentives for the establishment of industrial units in certain specific sectors: energy, ports, highways, electronics and software.
- The government also offers incentives to Export-Oriented Units, which are stand-alone industrial units allowed to operate anywhere in the country but have to export 100% of their production.
- A majority holding interest in the capital of a local company is legal in Pakistan

Investment Policy in Pakistan



- Foreign investment in an existing Pakistani company essentially follows the same regulations as that for new ventures.
- Any purchase of shares by a foreign investor would require such investment to be registered with the State Bank of Pakistan so as to enable the entitlement of foreign investment similar to that of a new venture.
- There are no minimum or maximum limits imposed on the age of individual investor ownership in a public limited company.

Guiding Principles of Investment Policy 2013



- Following basic principles provide theme of the Policy:
 - Reducing the cost of doing business in Pakistan,
 - Reducing the processes of doing business,
 - Ease of doing business with creation of industrial clusters and Special Economic Zones,
 - Linkages of trade, industrial and monetary policies for greater convergence.



- Special Economic Zone (SEZ) Framework in Pakistan
- The SEZ Act was promulgated on September 13, 2012
- SEZ Rules notified the same year.
- Promulgated for attracting investments, to revive and diversify the manufacturing and exports.
- The law provides SEZs to be set up by the Federal or Provincial Governments
 - Themselves or
 - In collaboration with the private sector under different modes of public-private partnership or
 - Exclusively through the private sector.



• Fiscal benefits for the Developers of Special Economic Zones

- Unless otherwise provided in a development agreement, developers shall be entitled to the following benefits, namely:
 - a) One time exemption from all custom-duties and taxes on plant and machinery imported into Pakistan
 - b) Exemption from all taxes on income accruable in relation to the development and operation of the SEZ for a period of five years, starting from the date of signing of the development agreement.



Fiscal benefits for the Zone Enterprises in Special Economic Zones

- All zone enterprises shall be entitled to the following benefits, namely:
 - a) One time exemption from custom-duties and taxes on import of plant and machinery into Special Economic Zones
 - b) Exemption from all taxes on income for enterprises in the Special Economic Zones for a period of ten years
- Within the objective of promoting hi-tech industries or particular regions, the Board of Approval may grant additional benefits to a particular category of SEZs, zone enterprise, regions or sectors



General Benefits in Addition to Fiscal Incentives

- a) Each developer shall have the right to set up a captive electric power generation plant or install a hydel power generator of sufficient size to cater to the expected demand for electricity within a particular SEZ and to sell and distribute only the excess electricity so generated within and outside that particular SEZ.
- b) Gas, electricity and other utilities will be provided at the zero-point of the Zones.
- c) One Stop Shop One window facilitation services are allowed for liaison and facilitation between the relevant federal agencies and SEZ Authorities, developers and zone enterprises



Additional Incentives for Special Economic Zones

- The additional incentives package for SEZs was approved from the Cabinet on 12th May, 2017.
- The Incentives package included the following;
 - a) Provision of plots on installments (50% down payment and remaining 50% in four biannual installments basis).
 - b) Mark-up support by respective governments @ 50% of the mark-up to a maximum of 5% on the loans taken in Pakistani currency.
 - c) Freight subsidy by Federal Government @ 50% on the inland transportation of plant and machinery.



Additional Incentives for Special Economic Zones

- d) One Window Operation by SEZA The provincial government to either delegate authority for implementing labour, environment and such laws and collection of local/provincial taxes to SEZ or depute representatives of the departments in SEZA office. Federal Government departments (FBR, SECP etc) to depute representatives to perform similar functions in the zone.
- e) The developer shall also be allowed to purchase Gas, Electricity and other utility providers in bulk and supply the same to the enterprises at rates that are duly notified by SEZA in consultation with stake holders.
- f) To reduce cost of setting up, the developer would also be allowed to rent out sheds for industrial use.



• Special Economic Zones under CPEC: Nine (09) proposed

*Advanced Stage SEZs

- i. Dhabeji Special Economic Zone, Sindh
- ii. Rashakai Special Economic Zone, KPK
- iii. Allama Iqbal Industrial City, Punjab
- iv. Bostan Special Economic Zone, Balochistan

Priority II SEZs

v. Port Qasim, Karachi vi. ICT Model Industrial Zone vii. Moqpondass SEZ, GB viii.Mirpur SEZ ix. Momand Marble City

Industrial Zones Offer

- Industrial Plots for all Scale industry
- Commercial Plots
- Offices & Outlets
- Centralized Security System
- Warehouse and Dry Ports
- Public Transport
- Emergency Service
- Utilities
- Banks and Financial Services

Other Facilities

- Supporting Commercial Areas
- Expo Center
- Hotels
- Banks
- Restaurants/Coffee Shops
- Hospital & Trauma Center
- Petrol Pump & CNG Stations
- Labor Colonies
- Aerodrome/Helipad

Why to Invest in Pakistan?

- ALTHORY AUTHORY
- Huge domestic market with a population of more than 211.17 million, a decreasing level of poverty, a stronger middle class and a vibrant demographics
- Higher rate of return on investment
- An inexpensive and abundant workforce
- Potential of higher GDP growth
- The government is pursuing an FDI attraction policy with numerous privatisations, the guarantee of equal treatment between foreign and local investors and a whole series of tax incentives. It has also made some necessary efforts in terms of economic reform.
- The country has financial and logistical support from the various partner countries and multilaterals.





Thank You!