



DALIAN'S ENVIRONMENTAL
IMPROVEMENT

THROUGH INTERNATIONAL
COOPERATION

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- Distinguished Chairman and guests:
 - Good morning!
 - I come from Dalian Environmental Protection Bureau, China and I am honored to introduce here Dalian's efforts in environmental protection and international cooperation at this aspect.

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- Dalian is at east coast of Eurasia and the southern tip of Liaodong peninsula in Northeast China.
 - Dalian is a strategic city of port, trade, industry and tourism in China.
 - Its total area is 12574Km², including old urban area of 2415Km² and its population is 5.721 million.

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- Dalian started its efforts in environmental protection in 1970's when Dalian was an old city of heavy industry.
 - The downtown area was crowded with industrial enterprises of outdated equipment, backward technologies and serious pollution.
 - Through about 30 years' efforts, Dalian today has become a modernized metropolis of reasonable industrial layout, clean environment and a suitable habitat for mankind.
 - Recommended by Kitakyushu, Dalian was appraised as GLOBAL 500 by UNEP in 2001, the first city in China.

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- Dalian's achievements in environmental protection are the result of joint efforts of Dalian municipal government and Dalian citizens and of course,
 - the international cooperation engaged by Dalian with other countries and regions in environmental protection is of great assistance to Dalian's environmental improvement.

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- While, the cooperation and exchange with Japan, especially the city of Kitakyushu, at the aspect of environmental protection are quite successful, with not only a long history, but also splendid achievements.
 - The cooperation between Dalian and Kitakyushu in environmental protection could be divided into four stages.

The first stage is personnel exchange.

- Dalian became a sister city of Kitakyushu on 1st May, 1979 and exchange of environment protection officials has been quite frequent since then, which is represented by the exchange between Dalian Environmental Protection Bureau and Kitakyushu Environmental Protection Bureau and KITA (Kitakyushu International Training Association).
- Kitakyushu Environmental Protection Bureau accepted one environmental protection trainee from Dalian each year from 1993 until 2001 when this program was ended.

The first stage is personnel exchange.

- In 1994, West Japan Industrial Club executed an agreement with Dalian Environmental Protection Bureau about accepting trainees sent by Dalian to have short-term training in Japan.
- These trainees came back to China with greatly enhanced awareness in environmental protection, technical level and management experience.

The second stage is technical cooperation.

- At the end of 1993, Mayor Sueyoshi Koyichi of Kitakyushu and Mizuno, Director General of KITA advocated establishing a “Dalian Environmental Model Area” in Dalian by joint efforts of China and Japan,
- and got the support and approval of Song Jian, a member of State Council at that time and Xie Zhenhua, Director of China State Environmental Protection Administration.
- This initiative lifted the curtain on all-sided technical cooperation between Dalian and Japan and Kitakyushu.

The second stage is technical cooperation.

- With assistance from JICA (Japan), the investigation work on development of “Dalian Environmental Model Area”—a Sino-Japan technical cooperation program that lasted for three years from the end of 1996 to 2000 was completed successfully.
- This survey involved many aspects, including atmospheric environment, water quality, industrial pollution, industrial solid waste, domestic garbage, urban green belt, status quo of natural reserve, status quo of noise and automobile tail gas pollution, environment management, propaganda, education and also laws and regulations.



The second stage is technical cooperation.

- Meanwhile, KITA conducted site diagnosis on key polluting enterprises, helped them to identify the root of pollution, put forward corrective countermeasures, and stipulated clean production plan.
- Experts from China and Japan deliberated “Dalian Environmental Model Area’ Development Investigation Report”, which drew a grand blueprint for Dalian’s environmental protection work in future.

The second stage is technical cooperation.

- JICA also presented Dalian with automatic air surveillance vehicle, flue gas surveillance vehicle and high-precision analytic device, with a value of RMB30 million.
- A series of achievements from this technical cooperation not only further improves Dalian's environmental protection work, but also plays an exemplary role for China's environmental protection work.

The third stage is project cooperation.

- In 1997, Hashimoto Ryutaro, Prime Minister of Japan visited China to commemorate 25th anniversary of normalization of relations between China and Japan and proposed choosing one or two cities in China for conceptualization of building a “model city” for Sino-Japan cooperation in environmental protection.
- The proposal got the support from Prime Minister Li Peng. Through Dalian’s efforts and Kitakyushu’s support, Dalian was finally listed as one of cities for this program.

The third stage is project cooperation.

- The total investment is RMB1.68 billion and line of credit is USD100 million.
- This program is comprised of nine projects, respectively Dalian Pharmaceutical Plant Pollution Abatement 1st Phase, Dalian Dye Plant Yandao Chemical Thermal Plant Expansion, Dalian Steel Group Steel-Making Electric Furnace Pollution Abatement Project, Dalian Cement Group Air Particle Treatment, Wafangdian 3rd Phase Water Resource Project, Fushun Sewage Treatment Plant Project, Wafangdian Sewage Treatment Plant Project and Zhuanghe Downtown Water Supply Project.



The third stage is project cooperation.

- After Dalian Steel Plant Project was completed, the plant has changed into an exemplary plant for clean environment from an old steel plant of serious pollution and its smoke emission concentration is less than 50mg/m³ and annual reduction of particle emission is 1536t.
- After Yandao Chemical Area Thermal Plant was completed, annual reduction of CO₂ emission is 1610t and particle reduction is 5800t.
- The “Model City” program has played an important role in Dalian’s environmental improvement.

The 4th stage is the environmental protection industrial cooperation.

- Dalian's efforts in environmental protection have provided a huge market for environmental protection enterprises and bring along the prosperity of environmental protection-based industry.
- While, cooperation with Kitakyushu in environmental protection also entered into a new stage of exchange and cooperation in environmental protection industry in recent years.

The 4th stage is the environmental protection industrial cooperation.

- Exchanges between Dalian Environmental Bureau and Kitakyushu Interdependent Business Consortium for Sustainable Development (KICS) can be traced back long time ago.
- The Director General 鹤田晓 has visited Dalian for many times and is an old friend of Dalian Environmental Bureau.

The 4th stage is the environmental protection industrial cooperation.

- New Japan Chemical Environmental Consultancy Co., Ltd from Kitakyushu, Japan established its representative office in 2005, which signaled that the exchange between two cities at environmental protection has entered into the substantial stage of industrial cooperation.
- Also, AQUA and other environment-related enterprises from Kitakyushu came to Dalian, which pushed further deepening of cooperation between Dalian and Kitakyushu in environmental protection.

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- Dalian has benefited a lot from international cooperation in environmental protection and got also some achievements.
 - We would like to extend our thanks to sister cities like Kitakyushu and also share our experience and conduct more extensive exchange and cooperation with other countries, regions and cities.
 - Let's work together for a clean and beautiful earth.



Thanks!