

2021 Dialogue with Shandong
Conference on Germany-Shandong Industrial Cooperation
and Exchanges

Requirements for Cooperation with Germany
in field of “Eco-Environment Protection”

(As of September 7, 2021)

About Shandong

Shandong lies in the Bohai Bay economic region. It spans a total area of 157,900 sq. km. Total population stood at 100.7 million in 2019. Jinan is the provincial capital of Shandong.



Shandong is an important maritime economy hub for China. Qingdao and Yantai are two of the major ports in China.

Shandong is endowed with agricultural and marine resources. In 2019, the gross output value of agriculture, forestry, animal husbandry and fishery of Shandong stood at 967.2 billion, the most among all provinces and accounting for 7.8 percent of China's total.

As a base of agricultural and marine production, Shandong has developed strong food manufacturing and food processing industries.

Due to the rich natural resources, particularly oil and coal, Shandong's excavating and energy industry is very strong. In 2019, Shandong accounted for 11.7% of China's total crude oil production. Industries are mainly located in Qingdao, Yantai, Weifang, Jinan and Weihai.

(Source: HKTDC Research)

Overview (43 Requirements)

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Seeking Efficient Treatment Technologies of Industrial Low-salt
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Seeking advanced treatment technology for industrial wastewater

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37. Heze Chang Sheng Yuan Technology Co., Ltd.:

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Dioxide Emissions (16 in total)

1. Shandong Xianhe Rixin Environmental Technology Co., Ltd.:

Seeking Efficient Treatment Technologies of VOCs, Industrial High-salt and Low-salt Wastewater



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Profile:

Shandong Xianhe Rixin Environmental Technology Co., Ltd. is a high-tech enterprise dedicated to comprehensive management of environmental protection engineering. It focuses on the R&D, technical services, equipment manufacturing, construction and commissioning, and operational training mainly targeting at the fields of air and water pollution prevention and control, VOC treatment, remediation and comprehensive improvement of soil pollution, construction waste recycling technology, and utilization of residual heat, pressure, and air.

Cooperation requirements:

Seek intentional emission control technology and fugitive emission collection and control technology of VOCs in the fields of petrochemical, chemical engineering, industrial coating, packaging and printing industries; efficient treatment technology of industrial high-salt and low-salt waste water, advanced treatment technology of municipal sewage plants (quasi-class IV and above), and treatment technology of fluoride waste water with low concentration (below 2mg/L) and for efficient dephosphorization and phosphorus removal.

2. Shandong Meiquan Environmental Protection Technology Co., Ltd.:

Seeking Advanced Treatment Technologies of Industrial Wastewater



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Profile:

Shandong Meiquan Environmental Protection Technology Co., Ltd. is an environmental protection company integrating product development, technology research, project survey and design, project installation, commissioning, after-sales services, and operation. Currently, we have three subsidiary companies in China.

Our business covers industrial wastewater treatment, urban sewage treatment, reuse of recycled water, bio gas treatment and application, sludge treatment, sponge city construction and other fields. We have achieved

excellent results in the fields of biological fermentation, food & beverage, pharmacy, chemical engineering, municipal administration, slaughter, printing & dyeing, alcohol, paper making, and landfill leachate. Our core technologies, such as MQIC, H-UASB, BRN and AMOXP, have been fully verified in engineering practice and proven to be highly efficient, low in carbohydrates, innovative and pioneering in environmental protection fields.

Cooperation requirements:

Seek advanced treatment technology of industrial wastewater.

3. Zibo Jinhao New Plastic Materials Co., Ltd.:

Seeking Solvent-free UV Coating Process

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Profile:

Zibo Jinhao New Plastic Materials Co., Ltd. is mainly engaged in the R&D of new plastic materials, production and sales of plastic film products, sales of plastic powder, polyethylene wax, polypropylene wax, and modified polypropylene, and import and export of goods.

In recent years, Zibo Jinhao has made great breakthroughs in field of functional waterproofing membrane materials for buildings. At the beginning of COVID-19 outbreak, China has built two makeshift hospitals in Wuhan. And most of waterproofing membrane materials were from Zibo Jinhao.

Cooperation requirements:

Seek German breakthrough solvent-free UV coating process (isolation film, release paper, etc.).

4. Reyoung Pharmaceutical Co., Ltd.:

Seeking Treatment Technologies of Volatile Organic Pollutants and High-salt Waste water in the Pharmaceutical Industry

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Profile:

Reyoung Pharmaceutical Co., Ltd. is a national high-tech enterprise, national technological innovation model enterprise and comprehensive modern pharmaceutical enterprise with R&D Centers in Shanghai, Suzhou, USA etc.. It has three major plant areas and more than 30 modern production workshops, which can produce a total of 9 dosage forms, including API, common powder for injection, lyophilized powder for injection, tablet, capsule, small-volume injection, granule, mixture and suppository, and nearly 400 product specifications. Focusing on technological innovation, the

company has won multiple national and provincial scientific and technological awards and obtained more than 150 patent certificates and 40 new drug certificates.

Since the establishment of its International Business Department in 1997, Reyoung dedicates 23 years in exporting products to about 60 countries and NGOs covering Africa, Asia, South America, ect..

Cooperation requirements:

Seek treatment technology of volatile organic pollutants and high-salt waste water in the pharmaceutical industry.

5. Sinopec Qilu Petrochemical Company:

Seeking Treatment Technologies of High-salt
Waste water



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Profile:

Sinopec Corp. is a State-owned controlling company. As a large-scale integrated energy and chemical company in China, Sinopec is a large-scale oil and gas producer in China; in respect of refining capacity, it ranks first in China; equipped with a well-developed refined oil products sales network, the Company is the largest supplier of refined oil products in China; and in terms of ethylene production capacity, the Company takes the first position in China, and has a well-established marketing network for chemical products.

Its subsidiary - Sinopec Qilu Petrochemical Company, established in 1966, is a well-equipped, large

combined enterprise of oil refining, chemical engineering and chemical fiber integrating petroleum processing, petrochemical engineering, coal chemical engineering, natural gas chemical engineering and salt chemical engineering, and it is mainly engaged in the production of more than 120 kinds of petrochemical products at various grades such as gasoline, aviation fuel, diesel oil, asphalt, polyethylene, polypropylene, polyvinyl chloride, synthetic rubber, synthetic fiber, acrylonitrile, butyl alcohol, caustic soda and benzene.

Cooperation requirements:

Treatment process and comprehensive utilization methods (approaches) of high-salt waste water.

6. Zibo Haiyi Fine Chemical Co., Ltd.:

Seeking Advanced Treatment Technologies of VOCs and Industrial Wastewater

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REN Yang, Technician

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Profile:

Established in 2004, Zibo Haiyi Fine Chemical Co., Ltd. is a chemical enterprise specializing in deep processing of liquefied gas, including the processing and sales of depropanizing liquefied gas, propylene, methyl tert-butyl ether, polypropylene, methane, butane, maleic anhydride and isooctane. At present, it has a liquefied hydrocarbon tank farm, two gas fractionation units, a low-carbon olefin unit, an MTBE unit, a C4 comprehensive utilization unit, an environmentally friendly isooctane unit, and a maleic anhydride unit.

Its parent company - Shandong

[WONFULL](#) was established in 1997.

The company has now developed into a large modern enterprise group with total assets of 18 billion yuan and more than 2,000 employees. Its main business are petroleum refining, fine chemicals, heat supply, logistics services, retail terminals, international trade, and new materials etc..

Cooperation requirements:

Advanced treatment technologies of volatile organic pollutants and industrial waste water; intentional emission control technology, and fugitive emission collection and control technology.

7. Shandong Yuanli Technology Co., Ltd.:

Seeking Cooperation for comprehensive VOC Treatment project



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Profile:

Its parent company - YuanLi Chemical Group Co., Ltd. is a comprehensive enterprise engaged in fine chemicals. Now it has 2 R&D and production bases in China and 1 subsidiary in the Netherlands.

The business of Shandong Yuanli Technology Co., Ltd. covers environmental protection solvent products, dihydric alcohol products, and special plasticizer products with main raw materials being organic acids and alcohols. The existing plant area consists of three zones (total 600mu) – 2 zones for production equipment and tank farms, 1 for sewage treatment.

The equipment and facilities in the plant

were completed earlier, the capacity of public and auxiliary facilities was basically saturated, and the production facilities and tank farms were relatively scattered. So its project is mainly for the treatment of VOC in various production facilities, tank farms and sewage treatment workshops. After targeted collection and treatment, the discharge can be achieved.

Cooperation requirements:

Intentional emission control technology and fugitive emission collection and control technology of VOCs, and advanced treatment technologies of industrial wastewater in the chemical industry.

8. Shandong BFSW Environmental Protection Technology Co., Ltd.:

Seeking Cooperation on Efficient Treatment Technologies of Industrial Wastewater and Advanced Sewage Treatment Technologies



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Profile:

Shandong BFSW Environmental Protection Technology Co., Ltd. is an innovative environmental service enterprise that leads in the R&D, production and engineering application of metal fiber porous material-OH filler, FH filler and upgrading carrier in China. Its main business includes industrial wastewater pollution treatment, advanced treatment and recycling, water supply treatment, sludge disposal, treatment of organic waste

gas, operation services for environmental protection facilities and development of new technology products in the fields of chemical engineering, pharmacy, electroplating, printing, and dyeing.

Cooperation requirements:

Seek cooperation on efficient treatment technology of industrial low-salt wastewater and advanced treatment technology of sewage treatment plant.

9. Shandong Holone Environmental Technology Co., Ltd.:

Seeking Cooperation on Treatment Technologies of VOCs



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Profile:

Shandong Holone Environmental Technology Co., Ltd. is a high-tech enterprise dedicated to the development and application of environmental protection technology products, and it undertakes purification and treatment projects involving various organic volatile compounds (VOCs). Especially for the treatment of waste gases in coating, packaging, printing, pharmaceutical, and chemical industries, the company is technically advantageous and can provide one-stop services ranging from engineering design to product production, on-site installation and commissioning to environmental protection acceptance.

Over the years, the company has formed core processing technology by combining independent technology with foreign advanced technology. With unique design concepts, safe and stable operation, timely and high-quality after-sales service, it has won the favor of many users, such as Daimler, FAW-VW, Zhongtong Bus Holding Co., Ltd, Dongfeng Motor Corporation etc..

Cooperation requirements:

Seek treatment technologies of high-concentration waste gases with complicated and inorganic constituents in the fields of petrochemical engineering, chemical engineering and pharmacy.

10. Shandong Longantai Environmental Protection Sci-tech Co., Ltd.:

Seeking Cooperation on Advanced Treatment Technologies of Industrial Wastewater



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Profile:

Shandong Longantai Environmental Protection Sci-tech Co., Ltd., integrating R&D, manufacturing, process design, project construction and water affair operation, specializes in the efficient treatment and comprehensive utilization of degradation-resistant and high-salt wastewater, and is a provider of solutions and key equipment with high additional value. It has accumulated a wealth of experience in the pre-treatment of high-concentration wastewater, wastewater upgrading and transformation, advanced wastewater treatment, comprehensive treatment of high-salt wastewater, and total treatment of landfill leachate, and has a strong strength and a solid quality

system in terms of R&D and manufacturing of catalysts and key equipment for water treatment.

Cooperation requirements:

Advanced treatment technologies of industrial wastewater, including efficient treatment technology of industrial low-salt wastewater, nitrogen and phosphorus index treatment technology of reclaimed water from farmland, advanced treatment technology of municipal sewage plants (quasi-class IV and above) and fluoride wastewater with low concentration (below 2mg/L) and for efficient dephosphorization and phosphorus removal, initial stormwater control technology, and other technical requirements.



11. Shandong Shouguang LuQing Petrochemical Co., Ltd.:



Seeking Cooperation on VOC Transformation,
Wastewater Treatment, and Treatment Technology of Odor

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Profile:

Shandong Shouguang LuQing Petrochemical Co., Ltd. was founded in 2000. Its products are Automobile diesel fuels, gasoline, petroleum coke, polypropylene etc.. As the designated supplier of CNPC and Sinopec, the company has been honored as a National Enterprise Technology Center, National Green Factory, one of the Top

500 Private Enterprises in China, National High-tech Enterprise, one of the Top 100 Enterprises in Shandong, and has applied for 92 national patents.

Cooperation requirements:

Seek cooperation on VOC transformation, wastewater treatment, and treatment technology of odor.

12. Zhucheng Yinhe Sewage Treatment Co., Ltd.:

Seeking Cooperation on Advanced Sewage Treatment Technologies

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Profile:

Zhucheng Yinhe Sewage Treatment Co., Ltd., established in 2003, is engaged in sewage purification and relevant technical services, with an average sewage treatment capacity of 78,000m³ per day. Provided with advanced equipment for sewage treatment, the plant area mainly utilizes improved A2/O treatment process, so

that the discharged sewage can meet Class I A discharge standards in terms of quality.

Cooperation requirements:

Seek cooperation on advanced treatment technologies of municipal sewage plants (Class IV water), low-concentration fluoride wastewater and efficient phosphorus removal.

13. Shandong Lumeike Environmental Engineering Co., Ltd.:

Seeking the Import of Treatment Technologies or Equipment for VOCs and Sewage

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Profile:

Shandong Lumeike Environmental Engineering Co., Ltd. is a provider of house-keeper like environmental protection and environmental testing services for various parks, functional areas, enterprises and institutions. It is home to a high-quality, professional technical team, has more than 150 sets of imported and high-end domestic environmental testing equipment, and a

professional lab covering an area of nearly 1,000m², and is fully capable of performing technical tests with regard to both environmental quality and environmental engineering quality.

Cooperation requirements:

Import treatment technologies of VOCs and saline sewage, or look for equipment agencies.

14. Shandong Yushiju Chemical Co., Ltd.:

Seeking Cooperation on Advanced Treatment
Technologies of VOCs and Industrial Wastewater



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Profile:

Shandong Yushiju Chemical Co., Ltd. is a comprehensive chemical enterprise that produces phenolic resin. Its main products cover six series and more than 70 varieties, including abrasive and grinding machines, friction materials, casting coated sand, refractory materials, electronic resins, and phenolic resin for building insulation materials, all being sold through its sales network nationwide. Its products have passed the ISO9001 quality management system certification.

Shandong Yushi has built the most advanced phenolic resin technology

R&D center, the main test equipments are all imported from developed countries Switzerland, Germany, Britain, Japan and so on, and has a high level of education, technical ability, achievement of the R & D team in the industry, has been in the study on the synthetic technology, high performance phenolic resin preparation and application fields achieved fruitful results, received a total of achievement of innovation of science and technology 80 multinomial.

Cooperation requirements:

Advanced treatment technologies of volatile organic pollutants and industrial wastewater.

15. PharmaBlock Pharmaceuticals (Shandong) Co., Ltd.:

Seeking Treatment Technologies of Waste Gas and Wastewater



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Profile:

PharmaBlock Pharmaceuticals (Shandong) Co., Ltd. is a manufacturer of pharmaceutical intermediates, oral solid preparations and injections required by high-end APIs, and it will gradually shift the focus to APIs and preparations. The company now has two R&D centers, one in Nanjing and

the other in the US. It has two GMP-like production lines qualifying the audit by international customers, as well as relatively comprehensive utilities and auxiliary facilities.

Cooperation requirements:

Treatment of waste gas and wastewater.

16. Yangmei Pingyuan Chemical Co., Ltd.:

Seeking Cooperation on Technologies of VOC
Treatment and Initial Stormwater Control



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Profile:

Yangmei Pingyuan Chemical Co., Ltd. is one of the subsidiaries of [Pingquan Coal Chemical Industry Group](#). The products of Yangmei Pingyuan Chemical Co., Ltd. cover four categories, including fertilizer, chemical engineering, thermal power and energy-saving wall materials. The main products are designed with a productivity of 910,000 tons of synthetic ammonia and alcohol, 900,000 tons of

urea per year, which can generate the power of 300 million kWh. The fly ash resulted from its cogeneration will be utilized to make new wall materials, and the production wastewater processed by its sewage treatment plant.

Cooperation requirements:

Fugitive emission collection and control technologies of VOCs; and technologies of initial stormwater control.

17. Shandong Sine Pharmaceutical Co., Ltd.:

Seeking Treatment Technologies of Volatile Organic Pollutants

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Profile:

Shandong Sine Pharmaceutical Co., Ltd. is a comprehensive pharmaceutical enterprise integrating manufacturing, sales and R&D by Shanghai Shangyi Sine Co., Ltd., Shandong Plain Pharmaceutical Factory and Dezhou Borun Pharmaceutical Technology Co., Ltd.. It is a by national food and drug supervision authorized manufacturer of psychotropic drugs.

Shandong Sine Pharmaceutical Co., Ltd. has established production workshops for chemical APIs, tablets,

and capsules, and obtained 83 product approvals, including 62 for preparations, 21 for APIs and 5 for new drugs, covering 8 therapeutic areas and 4 dosage forms. With its self-managed import & export right, the company is striving to be a production base of psychotropic drugs, basic and generic drugs with national labels, and high-end chemical APIs.

Cooperation requirements:

Treatment technologies of volatile organic pollutants.

18. Tai'an Chuanyuan Environmental Protection Equipment Co., Ltd.:

Seeking Technologies of Agricultural Wastewater Treatment and Stormwater Control

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Profile:

Tai'an Chuanyuan Environmental Protection Equipment Co., Ltd. is engaged in research services for environmental science and technology, sales, and installation of environmental protection equipment, with a registered capital of RMB2 million and yearly turnover of RMB30 million.

Cooperation requirements:

Treatment technologies of nitrogen and phosphorus indexes for reclaimed water from farmland and for fluoride wastewater with low concentration (below 2mg/L), and initial stormwater control technology.

19. Rizhao Enterprises:

Seeking Treatment Technologies of VOCs Concerning Rubber and Plastic Industries

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Demand background:

In general, local SMEs in Rizhao adopt pollution treatment processes such as "UV + activated carbon" and "photo-oxygen + activated carbon", which cannot gather all waste gases and suffer from a low pollutant removal rate and ineffective treatment. The

application of the catalytic combustion method is economically unaffordable.

Cooperation requirements:

Seek mature, economical and effective treatment technologies of VOCs concerning rubber and plastic industries.

20. Shandong Rainto Technology Co., Ltd.:

Seeking Treatment Technologies of VOCs and Sewage



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LIU Rong, General Manager

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Profile:

Shandong Rainto Technology Co., Ltd. is a high-tech enterprise, and engaged in the R&D, production, sales and technical services of ecological environment monitoring systems, Internet of Things transmission systems, and big data cloud smart platforms.

The company mainly has VOCs online monitoring system, water quality online monitoring system, data collection and

transmission system Rainto-Cloud smart platform, mobile laboratory, etc. In addition, the company also has 2 provincial-level monitoring platforms and 4 municipal-level innovation platforms.

Cooperation requirements:

Seek treatment technologies of VOCs and urban and industrial sewage, and technologies of desulfurization, denitrification, and dust removal.

21. Shandong Shengda Environmental Protection Engineering Co., Ltd.:

Seeking Treatment Technologies of VOCs and Sewage



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Profile:

Established in 2004, Shandong Shengda Environmental Protection Engineering Co., Ltd. is mainly engaged in professional FRP facilities and equipment such as new composite materials, FRP desulfurization towers, bath towers and WESPs, modern environmental protection equipment, and energy-saving and environmental protection engineering, including technology development, equipment manufacturing and operation services for projects like dust removal, desulfurization & denitrification, sewage

treatment, VOC treatment, and fresh air systems.

Now the company has five production bases in China. In June 2017, the company established *Euri SGT GmbH* in Germany (Saarland), which is engaged in Sino-German trade and technology introduction.

Cooperation requirements:

Seek treatment technologies of VOCs and sewage, and technologies of desulfurization, denitrification, and dust removal.

22. Shandong Jianghe Paper Co., Ltd.:

Seeking Comprehensive Treatment Technologies of Effluent Gas and Low-salt Treatment Technologies of Highly Concentrated Wastewater

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Profile: Shandong Jianghe Paper Co., Ltd. has 4 paper production lines and is equipped with 22 pulp production lines and self-supplied power plants, can annually produce 400,000 tons of pulp paper. The leading products are food-grade paper, paper cup base paper, carbonless base paper and copying paper, high-end cultural paper and high-quality finished wood pulp, which are sold all over the country and exported to South Korea, Greece, Middle East and other international markets.

Cooperation requirements:

1. Seek "comprehensive treatment technologies of effluent gas", mainly for the analysis of composition and content, including all components of effluent gas and the absolute

concentration of each component, so as to ensure that the concentration of hazardous elements of effluent gas is far below the standard requirements. At present, technologies concerning the odor analysis and optimal control in alkali recovery systems are desired.

2. "Low-salt treatment technologies of highly concentrated wastewater" mainly relate to the treatment technologies of highly concentrated and high-salt wastewater from the company's production process, so as to reduce the amount of various environmental indicators in water, such as SS, SCOD, VOC and total salt, especially for the treatment of salt in terms of water quality. At present, technologies concerning low-salt control and optimization in the water treatment workshop are desired.

23. Lianhetech (Dezhou) Co., Ltd.:

Seeking Technologies for the Collection and Treatment of Exhaust Gas and Technical Cooperation on Wastewater Treatment



Contact Person:

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Profile:

Lianhetech (Dezhou) Co., Ltd. is a phosgene producer with the special license certificate for the production of MCCs approved by the State Ministry of Industry and Information Technology, and a key manufacturer integrating the R&D, production and sales of fine chemical intermediates. The projects passing the environmental assessment include the "relocation project of phosgene and downstream products with a capacity of 20,000 tons per year", the "project of fine chemical products with a capacity of 5,400 tons

per year", the "project of fine chemical products with a capacity of 18,800 tons per year", and the "Phase II fine chemical production project".

Cooperation requirements:

1. Organize technological study on improving technologies concerning the collection and safety treatment of waste gas.
2. Seek efficient technical solutions to treatment, allowing process wastewater to be recycled after treatment and brought into production again for recycling.

24. Leling Water Environmental Protection Co., Ltd.:

Seeking Advanced Sewage Treatment Technologies

Contact Person:

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Add.: Yunhong Rd., Economic and Technological Development Zone, Leling, City
Dezhou, Shandong

Profile:

Leling Water Environmental Protection Co., Ltd. is a JV of [Shandong Water Development Group](#) (*State-owned enterprise*) and Leling Urban Construction & Investment Development Co., Ltd.. The company is engaged in sewage treatment, project

construction, and investment and construction of infrastructure and ecological agriculture.

Cooperation requirements:

Advanced treatment technologies of urban sewage treatment plants (quasi-class IV and above).

25. Shandong Chenghui Shuangda Pharmaceutical Co., Ltd.:

Seeking treatment technologies for waste gas and wastewater



Contact Person:

CAO Qingwen, in charge of environmental protection information

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Web.: <http://www.chsdpharma.com/en/>

Profile:

Shandong Chenghui Shuangda Pharmaceutical Co., Ltd. is a high-end comprehensive industrial base with raw materials, preparations, food, and feed additives as its supplement, meeting international certification and registration standards. The main varieties are five series of local

anesthesia drugs, cardiovascular system drugs, nutritional drugs, hormone drugs, and food additives. Some of the varieties are among the world's 2-3 main suppliers.

Cooperation requirements:

Seek treatment technologies of waste gas and wastewater.



26. Sunstone Development Co., Ltd.:

Seeking Efficient Treatment Technologies of Industrial
Low-salt Wastewater and Initial Stormwater Control
Technologies

Contact Person:

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Add.: Hengyuan Economic Development Zone, City Dezhou, Shandong

Web.: <http://sun-stone.com/En/index.aspx>

Profile:

Sunstone Development Co., Ltd. is a high-tech enterprise specializing in the R&D, production and sales of prebaked anodes for aluminum, is the largest independent supplier of such products in China and has six production bases. It mainly produces green, energy-saving prebaked anodes featuring low consumption and high current density, with a production capacity of 1.92 million tons and a capacity under construction of 600,000 tons. Our

products are exported to more than ten countries in Europe, America, Middle East, Southeast Asia, Oceania and Africa. The company's R&D center is equipped with world-class R&D equipment and hardware facilities for carbon materials.

Cooperation requirements:

Seek efficient treatment technologies of industrial low-salt wastewater and initial stormwater control technologies.



27. Yili Jieneng Technology (Leling) Co., Ltd.:

Seeking Advanced Treatment Technologies of Volatile Organic Pollutants and Industrial Wastewater

Contact Person:

ZHANG Lei, Manager

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Add.: Circular Economy Demonstration Area, Leling, City Dezhou, Shandong

Web.: <http://www.elion.cn/>

Profile:

Yili Jieneng Technology (Leling) Co., Ltd. is engaged in boiler renovation, boiler technological services, steam supply and pipeline construction, electricity sales, thermal energy supply, contract energy management in

industrial parks, and processing and sales of coal powder.

Cooperation requirements:

Seek advanced treatment technologies of volatile organic pollutants and industrial wastewater.

28. Shanxian Kangda Environmental Protection Water Co., Ltd.:

Seeking Treatment Technologies of Industrial Wastewater



Contact Person:

MA Chao, Vice General Manager

Tel: + 86 15020565236

Add.: Shanxian Industry Park, City Heze, Shandong

Web.: <http://en.kangdaep.com/>

Profile:

Shanxian Kangda Environmental Protection Water Co., Ltd. is engaged in sewage treatment and operation management, and reclaimed water utilization.

Its headquarter Kangda Intl. Environmental Co., Ltd. is a leading environmental pollution control enterprise in China, mainly engaged in comprehensive urban environmental control services in mainland China with

investment, construction and operation of water infrastructure as the core. As of December 30, 2020, its sewage treatment business had already spread to 16 provinces and municipalities in China, with the daily sewage treatment scale realizing about 4.507 million tons nowadays.

Cooperation requirements:

Seek advanced treatment technology of industrial wastewater.

29. Shanxian Fengyuan Industrial Co., Ltd.:

Seeking Better Treatment Technologies of High-salt Water in the Mine

Contact Person:

SHENG Yuxing, Section Chief

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E-mail: 419955826@qq.com

Add.: Zhangji Town, Shanqian District, City Heze, Shandong

Profile:

Shanxian Fengyuan Industrial Co., Ltd.
is engaged in the preparation of coal
mines (not coal mining), and coal sales.

Cooperation requirements:

Seek better treatment technologies of
high-salt water in the mine

30. Feicheng Mining Group Shanxian Energy Co., Ltd.

Seeking advanced treatment technology for industrial wastewater

Contact Person:

GAO Feng

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E-mail: 18753871016@163.com

Add.: Litianlou Town, Shanxian District, City Heze, Shandong

Profile:

[Feicheng Mining Group](#) is State-owned enterprise. Its branch company Shanxian Energy Co., Ltd. is engaged in coal mining, dressing, processing, and sales (valid period subject to

license).

Cooperation requirements:

Seek advanced treatment technology of industrial wastewater.

31. State Grid Yinhe Water (Shanxian) Co., Ltd.:

Seeking Advanced Sewage Treatment Technologies and Treatment Technologies of Chlorinated Wastewater with Low Concentration

Contact Person:

LIU Peng, Manager

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Add.: West Bank of Jiadan River, South of Beiwaihuan Rd., Shanxian, City Heze, Shandong

Profile:

State Grid Yinhe Water (Shanxian) Co., Ltd., State-owned enterprise, is engaged in investment, construction and operation management of projects concerning urban sewage treatment and purification.

Cooperation requirements:

Seek advanced treatment technologies of urban sewage treatment plants and treatment technologies of fluoride wastewater with low concentration.

32. Sennics Co., Ltd. Shandong:

Seeking VOC Source Treatment Process and Application Technologies of Facilities for Advanced Environmental Protection Treatment at Later Stages



Contact Person:

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Add.: No.1 Gongye Road, New Material Industrial Park, Cao County, City Heze, Shandong

Web.: <http://www.sennics.com/sahxen/18245.html>

Profile:

As a world's leading comprehensive service provider of polymer additives, Sennics is a producer of rubber antioxidant, vulcanizing agent, rubber vulcanization accelerator and nitrobenzene, and operates in more than fifty countries and regions worldwide. Our sales network covers

regions such as Europe, North America and Southeast Asia.

Cooperation requirements:

Seek VOC source treatment process and application technologies of facilities for advanced environmental protection treatment at later stages.

33. Shandong Sunsine Chemical Co., Ltd.:

Seeking Treatment Technologies of Wastewater and
Waste Gas and Comprehensive Utilization Technologies
of Solid Waste



Contact Person:

ZHENG Huaiyu, Section Chief of environment protection department

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Add.: Economic and Technological Development Zone, Shanxian, City Heze,
Shandong

Web.: <http://1810170414.pool201-site.make.yun300.cn/>

Profile:

Shandong Sunsine Chemical Co., Ltd.
specializes in four categories of
business, including rubber vulcanization
accelerator, antioxidant, anti-scorcher,
and vulcanizing agent. It is a world-
renowned producer of rubber additives,
and its main products include
pharmaceutical intermediates (high-
quality DM) and pre-dispersoid for

rubber chemicals (rubber masterbatch),
which are widely used in the fields of
rubber, tires, tapes, rubber shoes,
rubber hoses, cables, pharmaceuticals
and pesticides.

Cooperation requirements:

Treatment technologies of wastewater
and waste gas, and comprehensive
utilization of solid waste.

34. Shandong Huimeng Biotech Co., Ltd.:

Seeking Recovery and Separation
Technologies of VOCs



Contact Person:

FAN Shuwei, Section Chief of environment protection department

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Add.: East side of Deshang Rd., Chengwu County, City Heze. Shandong

Web.: http://www.huimengchem.com/one_en1.html

Profile:

Shandong Huimeng Biotech Co., Ltd.
has been committed to the R&D of
high-tech products in the pyridine
heterocyclic fluorination industry, and it
can annually produce 7,000 tons of 2,3-
dichloro-5-(trifluoromethyl)pyridine and

6,000 tons of 2-chloro-6-
(trichloromethyl)pyridine.

Cooperation requirements:

Seek recovery and separation
technologies of VOCs.

35. Juye Jinyi Chemical Co., Ltd.:

Seeking Technologies for the Collection and Treatment of VOCs



Contact Person:

YE Chaoran, General Manager

Tel: + 86 15506609863

Add.: No.1, Xihuan Rd., Dongguan Tun town, Juye, City Heze, Shandong

Web.: http://www.jychem.com/about_en/id/1.html

Profile:

Juye jin Yi chemical Co., LTD. is a production medical intermediates chemical enterprise. The main products of the company are Arbidol, Paliperidone, Indacaterol, Amisulpride, Creatinol phosphate, Tesofenacin and pharmaceutical intermediates of Dracorhodin etc.. The company product

quality and process flow is in leading level. Its products are sold in Europe, the United States and southeast Asia market.

Cooperation requirements:

Technologies for the collection and treatment of VOCs.

36. Shandong Yongzhi Chemical Co., Ltd.:

Seeking Intentional Emission Control Technology and Fugitive Emission Collection and Control Technology of VOCs

Contact Person:

DING Yongkang, Supervision Manager

Tel: + 86 18132220023

Add.: Coal Chemical Industry Park, Yuncheng, City Heze, Shandong

Profile:

Shandong Yongzhi Chemical Co., Ltd. is engaged in the production and sales of cyclohexanone, cyclohexane and benzene (valid period subject to license).

Cooperation requirements:

Seek intentional emission control technology and fugitive emission collection and control technology of VOCs.

37. Heze Chang Sheng Yuan Technology Co., Ltd.:

Seeking Technologies for the Collection and Treatment of Chemical VOCs



Contact Person:

CUI Pengyuan, Chief of Safety and Environmental Section

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Add.: Gaohai Rd., Caiyuan Ji Town, Dongming District, City Heze, Shandong

Web.: <http://www.sddmcsy.com/en/web/>

Profile:

Heze Chang Sheng Yuan Technology Co., LTD. is established with a total investment of 120-million-yuan, registered capital of 20 million yuan, the annual production capacity of 20,000 tons. The company is engaged in the production and sales of hydroxyethyl acrylate, hydroxypropyl acrylate, hydroxyethyl methylacrylate,

hydroxypropyl methacrylate, ethylene oxide and propylene oxide, sales of chemical products (excluding hazardous chemicals), and import and export of goods and technologies (except for those prohibited by China).

Cooperation requirements:

Seek technologies for the collection and treatment of VOCs.



38. Shandong Yuhuang Chemical (Group) Co., Ltd.:

Seeking Technologies for the Collection and Treatment of VOCs



Contact Person:

SHAN Yanling, Vice Manager

Tel: + 86 18754098795

Add.: No. 4989, Changjiang East Road, City Heze, Shandong

Web.: <http://en.yuhuanghuagong.com/>

Profile:

Shandong Yuhuang Chemical Co., Ltd. is a national innovative pilot enterprise. Founded in 1986, the company started from a small village collective factory and has now developed into a private joint-stock large multinational enterprise group with a complete industrial chain from refining to fine chemicals and basic organic chemicals to polymer materials.

The company's main business covers the research and development, production, sales and logistics of chemical products, new energy

batteries, real estate development and other fields.

At present, the company has 5 production bases at home and abroad, 15 subsidiaries and more than 5,000 employees. In 2013, Shandong Yuhuang Chemical Group registered and established a wholly-owned subsidiary, Yuhuang Chemical Inc. in Houston, USA.

Cooperation requirements:

Seek technologies for the collection and treatment of VOCs.

39. Caoxian Xiaoqing Water Treatment Co., Ltd.:

Seeking to Satisfy the Effluent Pollutant Upgrading and Reconstruction Requirements

Contact Person:

LIU Yang, Administrative Director

Tel: + 86 13385400051

Add.: Qingdao North Rd., Panshi Town, Caoxian, City Heze, Shandong

Profile:

Caoxian Xiaoqing Water Treatment Co., Ltd. specializes in water conservancy, environment, and utility management, with a registered capital of RMB18 million.

Cooperation requirements:

Although the company's various effluent pollutants continuously meet relevant standards, existing process fails to comply with the new upgrading and reconstruction standards. Therefore, it is of significance to learn from advanced German technologies.

40. State Grid Yinhe Water (Caoxian) Co., Ltd.:

Seeking Quasi-class IV Upgrading and Reconstruction Technologies

Contact Person:

CUI Jisheng, Facility Supervisor

Tel: + 86 19861038566

Add.: East of Qingdao North Rd., Caoxian, City Heze, Shandong

Profile:

State Grid Yinhe Water (Caoxian) Co., Ltd. is designed with a daily sewage treatment capacity of 30,000 tons, mainly the urban domestic sewage and production wastewater processed and

discharged by some enterprises, serving more than 200,000 people.

Cooperation requirements:

Quasi-class IV upgrading and reconstruction technologies.

41. Heze Tebiete Template Co., Ltd.:

Seeking Technologies that Improve the Surface Brightness of Impregnated Paper and the Storing Period of Paper

Contact Person:

ZHU Yutao, General Manager

Tel: + 86 13905301739

Add.: Huji Industry Park, City Heze, Shandong

Profile:

Heze Tebiete Template Co., Ltd. is engaged in the production and sales of template paper.

Cooperation requirements:

Technologies that improve the surface brightness of impregnated paper and storing period of paper.

42. Shandong GRAD Group Co., Ltd.:

Seeking Cooperation on Environmental Protection
Technologies and Overseas Agencies



Contact Person:

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Add.: No.6, Grad Rd., Tianqu Industrial Park, City Dezhou, Shandong

Web.: <https://www.gradgroup.com/en/>

Profile:

Established in 1993, Shandong GRAD Group Co., Ltd. is home to more than 10,000 employees and has an annual output value of RMB4.5 billion. Its business concerns six industries, including artificial environment, new energy, new materials, equipment manufacturing, energy conservation & environmental protection, and information technology, with products used in infrastructure engineering, commercial real estate, industrial manufacturing, agricultural development, environmentally friendly treatment, pharmaceutical purification,

marine engineering, and rail transportation. It has R&D centers in Shanghai, Beijing, Jinan and Los Angeles, USA, and its products are being exported to more than 100 countries and regions worldwide.

Cooperation requirements:

Seeking cooperation with enterprises engaged in central air conditioning, wind power generation, environmental protection equipment and solutions (waste gas and wastewater treatment), and new material technologies, and look for overseas agencies.

43. Shandong Academy for Environmental Planning:

Demands for Advanced Treatment Technology and Experience in Air, Water, Soil and Solid Waste Pollution Treatment and Peaking Carbon Dioxide Emissions (16 in total)



Contact Person:

HUANG Qiqi, Engineer of Shandong Academy for Environmental Planning

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Website: <http://www.sdaep.cn/>

Profil:

Shandong Academy for Environmental Planning was established in 2006 and is affiliated to *Department of Ecological Environment of Shandong*.

The research institute consists of Environmental Strategy Research Institute, Ecological Research Institute, Policy Standards Research Institute, Water Environment Research Institute, Marine Environment Research Institute, Atmospheric Environment Research Institute, Solid Waste and Soil Environment Research Institute, Environmental Industry Development Research Institute, and 11 key laboratories.

Demands:

I. Air Pollution Control Industry

- 1). Intentional emission control technology and fugitive emission collection and control technology of VOCs in the fields of petrochemical, chemical, industrial coating, packaging and printing industries.
- 2). Ultra-low emission transformation technologies of industrial furnaces in key industries such as cement, coking, glass and ceramics.
- 3). Advanced technical means that reduces pollution emissions from mobile sources such as automobiles and ships, and after-treatment equipment for vehicles and non-road mobile machinery.
- 4). Relevant experience in green building development and treatment technologies of indoor air pollutants such as ammonia, formaldehyde, benzene, total volatile organic

compounds and radon.

- 5). Advanced treatment technologies and equipment for industrial dust, including energy efficiency upgrade and transformation of various dust collectors.
- 6.) Experience in and technical means for controlling fugitive emissions of industrial dust, including the application of satellite remote sensing, aerial photography by UAVs and other technologies.

II. Peaking Carbon Dioxide Emissions Industry

- 7). Approaches for and advanced experience in pollution and carbon reduction in key industries such as industrial engineering, construction and transportation.
- 8). Green low-carbon frontier technologies and advanced experience in establishing green, low-carbon technological assessment and trading systems and science and technology innovation service platforms.

III. Water Environment Treatment Industry

- 9). Advanced treatment technologies of industrial wastewater, pollution prevention technologies of reclaimed water from farmland, recycling technologies of reclaimed water, and research progress in ecological water compensation of rivers and lakes.
- 10). Treatment technologies and means of operation and maintenance for black and odorous water body in rural areas and non-built-up areas.

VI. Soil Pollution Control

- 11). Effective treatment and remediation technologies for different land plots such as land for construction and agricultural land.

V. Solid Waste Pollution Prevention and Control

- 12). Collaborative treatment, disposal and recycling technologies and equipment for regional industrial solid waste that satisfy the needs of "zero-waste city".
- 13). Advanced and practical hazardous waste treatment technologies and equipment.
- 14). Technical systems for separate waste collection, transfer and disposal, and technologies, equipment and operation modes that adapt to the treatment and disposal of rural domestic refuse.
- 15). Pollution control standards and technical specifications on incineration and disposal of kitchen waste, landfill closure technologies and later-period management.

VI. Treatment Model

16). Exploration of third-party treatment models. Successful cases and experience of new third-party treatment models such as "environmental hospitals", environmental stewardship and environmental consultants.