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Shagang: Embark on a distinctive green and low-carbon transformation and upgrading road

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Jiangsu News

Jiangsu has introduced multiple measures to promote the high-quality development of the shipbuilding and marine equipment industry

Jiangsu Dafeng: Planting ecological heritage and promoting green and high-quality development

Jiangsu: Policy-based financial "living water" stabilizes the chassis of large projects

Three provinces and one city coordinate to promote the legislation of "One Card"

Jiangsu issued "13 articles" to strengthen scientific and technological ethics governance

Push the window to see the green, move to the park Nanjing has built 34 "pocket parks"

personnel

Notice of the Jiangsu Provincial Government on the Appointment and Removal of Hua Guihong and Other Positions

Notice of the Jiangsu Provincial Government on the Appointment and Removal of Chen Ming and Others

Xing Zhengjun appointed Acting Mayor of Lianyungang City

Ma Shiguang appointed secretary of Lianyungang Municipal Party Committee

List of Appointments and Removals of the Standing Committee of the Jiangsu Provincial People's Congress

Fang Wei was appointed as the Vice Governor of Jiangsu Provincial People's Government

information

MSC Court's "package" mediation of enterprise-related disputes helps optimize the business environment

Rudong Economic Development Zone, Jiangsu Province: The tide of listing is booming, and the capital market is chasing high waves

Huayang Street, Jurong City launched a "dream-fulfillment" action to visit students with difficulties

Guozhuang Town, Jurong City: Introducing "Drought-Resistant Water" to Ensure "Bumper Harvest Fields"

Dafeng District, Yancheng: Creating a "One Lead and Four Governance" rural governance Hengbei work model

Qintong Town, Taizhou City: Focus on promoting long-term water surface management and protection to help

The iron and steel industry is an important basic industry of my country's national economy and an important field for realizing green and low-carbon development. How can a super-large iron and steel enterprise with an annual steel production capacity of over 40 million tons adapt to the requirements of energy conservation and emission reduction, and balance economic development and environmental protection? Jiangsu Shagang Group unswervingly implements the development strategy of "building a high-quality base and building a green steel city", the whole process meets the ultra-low emission standards, the whole process upgrades the technical process, and the product structure is optimized in an all-round way, so as to embark on a green and low-carbon transformation with Shagang characteristics. The way to upgrade.

"In recent years, Shagang has invested more than 30 billion yuan in total, coordinated and promoted hundreds of environmental protection improvement projects such as gas, water, sound, and slag, and accelerated the construction of 'garden factory', 'clean factory' and ultra-thin belt technology with international leading advantages. The promotion of technology industrialization will accelerate the application of cutting-edge technology at home and abroad, so that the core competitiveness of enterprises will enter the first phalanx of the international steel industry." said Shen Bin, Secretary of the Party Committee and Chairman of Shagang Group.

In April this year, the Shagang gas-steam combined cycle power generation project was fully constructed. As an advanced power generation technology, gas-steam combined cycle power generation has many advantages such as high efficiency, low consumption, fast start-up, flexible adjustment, and low environmental pollution. The total investment of the project is about 1.6 billion yuan. After completion, it will further improve the utilization efficiency of Shagang's gas resources. It is expected that the annual power generation will increase by 750 million kWh and the annual saving of more than 80,000 tons of standard coal. At the same time, Shagang has mainly improved the energy efficiency of the whole process, promoted the optimization and improvement of technology and equipment in each link, and achieved a substantial reduction in the consumption of coke, pulverized coal, gas, and electricity. In the National Development and Reform Commission's energy-saving technology promotion catalog, 90% of the energy-saving technologies are applied in Shagang.

During the construction of "Green Steel City", Shagang has made every effort to do a good job in "water articles", invested in the construction of more than 40 sets of circulating water treatment systems, recovered all industrial wastewater from various production processes, and the comprehensive recycling rate of water resources exceeded 98%. The national first-class A standard, and the domestic wastewater collection and treatment system is built in different regions to provide effective supplements for the circulating water in each workshop. In addition, Shagang actively uses the tail water of the urban sewage treatment plant as the supplementary water for the enterprise's circulating water treatment system, reducing the annual consumption of new water by more than 5 million tons.

Adhering to the concept of circular economy, Shagang strives to build a full-chain, full-cycle green development pattern with the main line of "reduction at source—intelligent classification—efficient transformation—clean utilization—deep processing", and the annual benefit from circular economy reaches 10 percent of the total enterprise benefit. %above. On this basis, Shagang has also actively developed "urban mines", incorporating

social renewable waste such as scrap steel into the steel production cycle system, and continuously promoting the transformation of industry and social resource concepts and utilization methods.

Giving full play to the advantages of scientific and technological innovation and equipment, the high-strength corrosion-resistant steel bar HRB400 pioneered by Shagang in the world has more than 10 times the corrosion resistance of ordinary steel bars and has a designed service life of more than 120 years, laying a material foundation for future low-carbon buildings; independent development Cr-added cord steel and other products provide a powerful boost to the lightweight of automobiles, making energy saving and carbon reduction in the whole life cycle of steel products from vision to reality.

In order to build the "Garden Factory", the green area in the Shagang plant area has exceeded 2 million square meters. On the shoreline of the Yangtze River, Shagang has also invested more than 1 billion yuan, with purification, greening and beautification as the starting point, the implementation of projects such as "greening in the cracks" and "blackening of roads", forming an industrial landscape model belt with clear water and green shores. Build an ecological highland in the Yangtze River waters.

National Energy Efficiency Four-star Enterprise, National Metallurgical Industry "Cleaner Production Environment-Friendly Enterprise", Iron and Steel Industry "Energy Efficiency Leader", Jiangsu Province Cleaner Production Advanced Enterprise, Jiangsu Province Low-Carbon Economy Demonstration Enterprise... Honors one by one, becoming Shagang's green development The results are well-documented.

Today, Shagang has set its sights on breakthrough low-carbon innovative technologies such as hydrogen metallurgy, carbon capture, utilization and storage (CCUS), and green product research and development, and is striving for large-scale carbon emission reduction in the iron and steel industry. (Qian Hejin)

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