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PINGHU PAPER WASTEWATER ENERGY CHINA

Generating clean energy from industrial wastewater

This project has implemented a modern waste product treatment system into a large paper manufacturing plant near the shores of Hangzhou Bay. This new system captures methane to generate clean energy as well as recovering solid waste for recycling into usable goods.

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SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

Replacing fossil fuels by converting industrial waste into clean energy.

The Zhejiang Jingxing Paper Company, located in Pinghu city, produces half a million tons of paper per year. This manufacturing process generates up to five million cubic metres of wastewater which is rich with methane, a greenhouse gas 21 times more potent than carbon dioxide.

Since the implementation of a modern biogas reactor, a biogas recovery facility, a biogas purification device, and a power generation system, the methane is now being captured and used for clean energy production which replaces electricity generated from fossil fuel.

Not only does this project directly reduce carbon emissions it also demonstrates the potential for similar projects in this highly industrialized area of China.

6 CLEAN WATER AND SANITATION

5 million

m^3 of wastewater treated per year

7 AFFORDABLE AND CLEAN ENERGY

3500

Kw of clean energy per year

13 CLIMATE ACTION

60,000

GHG emissions mitigated per year (tCO_2e)

PROJECT HIGHLIGHTS

For more information on the UN Sustainable Development Goals please visit: http://www.un.org/sustainabledevelopment/sustainable-development-goals/

Gold Standard

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