

Yinxin Waste Heat Energy Project China

Improving energy efficiency by utilising waste heat at a glassworks plant in China



In an effort to lower the carbon footprint of its energy-intensive glass production, the Yingxin company has implemented a modern waste heat recovery system to reduce its fossil-fueled power consumption. This project is reducing energy consumption whilst simultaneously supporting local sustainable development.



The Context

China is experiencing increasing pressure to reconcile economic development with environmental safeguards. A growing number of emission reduction measures are being implemented to steer core industries towards a more sustainable future.

The Project

This project, at the Yingxi glassworks plant, employs an innovative waste-heat-capture method. Through recovering and utilising waste heat from the glass smelting furnaces, clean electricity is generated, thus reducing fossil-fueled power consumption. In total, 76,000 MWh of electricity is produced, contributing to the reduction of 67,000 tonnes of greenhouse gas emissions annually.

The Benefits

In addition to environmental benefits, the project owner is providing scholarships to children and supporting schools, as well as elderly people and the local infrastructure. Local people are also permitted to borrow machinery and tools at no cost.

Utilising modern technologies to reduce emissions and dependence on fossil fuels



Gold Standard



**76,000
MWh**

of renewable electricity generated annually



**24
permanent**

jobs for local people promoting local development



**67,000
tCO₂e**

reduced annually

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

Official name: Hebei Yingxin Glass Group Co. Ltd. Glass Furnace Flue Gas Waste Heat To Energy Project |

Registry link: <https://registry.goldstandard.org/projects/details/1175> | **Registry ID:** GS 750