



YINGXIN 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.



China is experiencing pressure to balance economic development with environmental sustainability. An increasing number of emission reduction measures are being implemented to steer the way towards a more sustainable future for industries.

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 the reduction of 67,000 tonnes of greenhouse gas emissions annually.

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.

Gold Standard



76,000

MWh renewable electricity generated annually



24

permanent jobs for local people



67,000

tCO₂e reduced annually

PROJECT HIGHLIGHTS

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