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To the press and whom it may concern:

NYK IDEMITSU Green Solutions Co., Ltd.


**Reduced fuel consumption by over 1% with the ULTY-V plus,
a boiler control optimization system that supports combustion
by mixing wood pellet fuel**

NYK IDEMITSU Green Solutions Co., Ltd. (headquartered in Shinagawa-ku, Tokyo; President and Representative Director: Keiji Tsuchiya) has reduced fuel consumption by over 1% in a long-term test for combustion by mixing wood pellet fuel*  with the "ULTY-V plus", a boiler control optimization system, sold to the Shin Onoda power station of Chugoku Electric Power Company.

Recently, the Chugoku Electric Power Company has been taking action to achieve carbon neutrality, such as by mixing white pellet fuel in the furnace to reduce $CO_2$ emissions. Its Shin Onoda power station had mixed 15 to 20% of white pellet fuel, causing a risk of deteriorating the power generation efficiency due to the lower heat calorific value of the fuel compared to coal.

By introducing the boiler control optimization system ULTY-V plus, however, it was able to improve power generation efficiency by over 1%, confirmed by long-term testing, ensuring stable and efficient operation while further reducing coal consumption. Thanks to this achievement, the annual $CO_2$ emissions are expected to decrease by about 30,000 tons.

* Wood pellet fuel is a next-generation alternative biomass fuel made from wood, and includes white pellets and black pellets.

The ULTY-V plus uses artificial intelligence (AI) learning functions to achieve optimal operation and raise the boiler efficiency, thus reducing $CO_2$ emissions and improving economy with lower fuel consumption.

NYK IDEMITSU Green Solutions Co., Ltd. is helping to create a sustainable society by using our cutting-edge AI control technology and technology for efficient fuel combustion supporting biomass fuels.


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