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NYK Idemitsu Green Solutions Co., Ltd.

Boiler Control Optimization System ULTY-V Plus Is Selected by Hokuriku Electric Power Company for Simultaneous Installation on Four Supercritical Variable-Pressure Once-Through Boilers

NYK Idemitsu Green Solutions Co., Ltd.* (Head office: Shinagawa-ku, Tokyo) has been awarded a contract from Hokuriku Electric Power Company, under which four units of ULTY-V plus will be installed on the electric utility company's supercritical variable-pressure once-through boilers, which are large-scale power generators.

Including the units covered by this contract, NYK Idemitsu Green Solutions has sold a total of 12 units of ULTY-V plus for supercritical variable-pressure once-through boilers globally so far.

ULTY-V plus is a fully self-contained boiler control system that utilizes artificial intelligence (AI) to independently measure, analyze, and determine a whole range of boiler operations including fuel feed adjustment, steam pressure adjustment, etc. This system can be installed on any boiler used at power plants and factories to optimize its operations. In recent years, the system has been implemented on an increasing number of power-generation boilers that use biomass, which is a promising renewable energy source.

By choosing to use ULTY-V plus under the contract, Hokuriku Electric Power Company is poised to reduce its fuel usage and also cut CO₂ emissions by approx. 100,000 tons/year (for the four units in total), reaping significant benefits in the form of improved fuel economy and less environmental impact.

Mainly by leveraging its proprietary ULTY technology that has been developed and refined from its experience of selling and installing over 100 units of the innovative boiler control system that takes full advantage of AI, NYK Idemitsu Green Solutions is committed to developing a suite of integrated optimization systems including technologies that can enhance the efficiency of peripheral equipment.

NYK Idemitsu Green Solutions will continue to strive to understand and meet each customer's unique needs and create products that help reduce carbon footprints globally.

*NYK Idemitsu Green Solutions Co., Ltd. is a joint venture company that was established in March 2019 to mainly promote the sales of ULTY-V plus in Japan and overseas including China, Taiwan, and Vietnam.

Shareholders: Idemitsu Kosan Co., Ltd., NYK Trading Corporation, and Nippon Yusen K.K.

Business description: Sales, development, and improvement of boiler control optimization systems and provision of related consulting services, etc.

URL: <https://nyk-idemitsu-gs.co.jp/>