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DIC Corporation

DIC Replaces Cogeneration System at its Chiba Plant with High-Efficiency Model

Aims to further reduce CO₂ emissions and secure uninterrupted supply of electric power in blackouts and other emergency situations

Tokyo, Japan—DIC Corporation announced today that it has installed a new state-of-the-art gas turbine-powered cogeneration system at its Chiba Plant, replacing the plant's previous system, which had become obsolete, with the aim of ensuring a more efficient energy supply and further reducing CO₂ emissions. Because the new system also functions as an emergency generator, it will ensure an uninterrupted supply of electric power in the event of a facility-wide blackout. The new system, which began operating in April 2017, is expected to lead to year-on-year annual CO₂ emissions reductions of approximately 3.0% by the Chiba Plant and approximately 0.3% by the overall DIC Group in fiscal year 2017.

Cogeneration systems burn gas and other fuels to drive turbines or engines, facilitating the generation of electricity and the recovery and reuse of the resulting waste heat, thereby improving energy efficiency. The outstanding efficiency of these systems contributes to the reduction of energy consumption and CO₂ emissions.

The Chiba Plant's previous cogeneration system, which was installed in 1998, reduced the plant's annual CO₂ emissions by approximately 2,000 metric tonnes compared to when the plant purchased all of the electric power it used. The new system, which like its predecessor is gas turbine-powered and facilitates the recovery of waste steam heat, also boasts a high energy conversion rate (electricity and steam) that is expected to further reduce annual CO₂ emissions. The new system also functions as an emergency generator, boasting an annual generating capacity of 3,000 kWh, sufficient to fully meet the plant's electric power needs should a disaster occur.



New cogeneration system at the Chiba Plant

Having declared an annual target of reducing its annual absolute emissions of greenhouse gases of 1.0%, the DIC Group is taking various steps to lower the amount of CO₂ it emits. In addition to updating the Chiba Plant's cogeneration system, the Company is introducing wood biomass and other carbon neutral fuels, as well as promoting efforts to trim electric power consumption at its sites with the aim of achieving its target and contribution to the realization of a sustainable society.

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