

Abstract

This gas turbine cogeneration system comprises: a gas turbine including a combustor; an exhaust heat recovery boiler for generating boiler steam with exhaust gas exhausted from the gas turbine as a heat source; a water recovery
5 device for recovering moisture from the exhaust gas by heat exchange between refrigerant water and the exhaust gas exhausted from the exhaust heat recovery boiler; and a fuel gas generation facility for generating gas turbine fuel gas to be supplied to the combustor, with industrial water (recovered water and supply
10 water) including recovered water recovered by the water recovery device as at least one of raw materials.