

Abstract

A control system includes: a first mode control unit configured to control a geothermal heat utilization system including a heat source well facility including a hot water well and a cold water well and a heat storage assist facility including a waste heat recovery mechanism, a cooling tower, or an air-cooled heat pump in a first mode in which cooling stored in the cold water well is supplied to an apparatus and heating obtained from the apparatus is stored in the hot water well; and a second mode control unit configured to control the geothermal heat utilization system in, instead of the first mode, a second mode in which the cooling stored in the cold water well is supplied to the heat storage assist facility and heating obtained from the heat storage assist facility is stored in the hot water well.