

ABSTRACT

An optimized operation schedule of a control-target apparatus is ensured while maximally reducing a burden share to a facility operator. An energy predictor 10 sets, for a control-target apparatus 2, a predicted value of energy consumption or energy supply within a predetermined future time period based on process data. A schedule optimizer 11 optimizes an operation schedule of the control-target apparatus 2 within the predetermined time period with a predetermined evaluation barometer based on the predicted value, the characteristic of the control-target apparatus, and the process data. An approval request determiner 12 determines a necessity of an approval for a latest operation schedule based on a preset determining condition. A determination result transmitter 13 transmits a determination result by the approval request determiner 12.