

**PREDICTION DEVICE, PREDICTION METHOD,
PREDICTION PROGRAM, FACILITY CONTROL DEVICE,
FACILITY CONTROL METHOD, AND CONTROL PROGRAM**

5 Abstract

10 In order to contribute to improvement in operation
of an incineration plant, a prediction device (1) includes:
a movement data generation section (103) configured to
generate movement data from a plurality of time-series
images each obtained by capturing, from above, an image
of a hopper in the incineration plant where an incineration
target object introduced into the hopper is fed to an
incinerator at a specified rate, the movement data
indicating a movement state of the incineration target
15 object; and a property prediction section (105) configured
to predict properties of the incineration target object on
the basis of the rate and the movement data generated.

(FIG. 1)