

# Accepted Manuscript

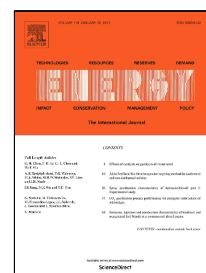
## Prediction of power generation capacity of a gas turbine combined cycle cogeneration plant

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## Research highlights

- ✓ Logic to predict power generation capacity of combined cycle cogeneration plants was developed.
- ✓ The logic consisted of two sequential steps: a setup step and a validation/prediction step.
- ✓ The calculation model consisted of performance correction curves and thermodynamic modeling.
- ✓ The logic was validated with real data and the power prediction uncertainty was less than 2%.

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