## **Accepted Manuscript**

Performance improvement of a large chilled-water plant by using simple heat rejection control strategies

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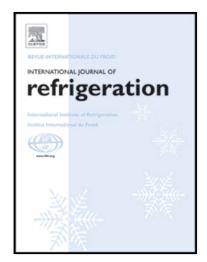
PII: \$0140-7007(18)30270-6

DOI: https://doi.org/10.1016/j.ijrefrig.2018.07.020

Reference: JIJR 4050

To appear in: International Journal of Refrigeration

Received date: 14 February 2018
Revised date: 16 July 2018
Accepted date: 20 July 2018



Please cite this article as: Antoine Dalibard, Andreas Biesinger, Mariela Cotrado, Andreas Trinkle, Ute Bartels, Ursula Eicker, Performance improvement of a large chilled-water plant by using simple heat rejection control strategies, *International Journal of Refrigeration* (2018), doi: https://doi.org/10.1016/j.ijrefrig.2018.07.020

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#### ACCEPTED MANUSCRIPT

### Highlights

- Heat rejection control strategies that increase chillers efficiency are presented
- Different cooling towers sequencing approaches are investigated theoretically
- A cooling water set-point as a function of the wet-bulb temperature is proposed
- $\bullet$  Both simulation and monitoring results show up to 15% electricity savings

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