

Supporting Information

Integrated Experimental and Modeling Evaluation of Removal Efficiency and Energy Consumption for an Autotrophic Denitrifying Biocathode

Daniele Ceconet^{1,2*}, Fabrizio Sabba^{3,4}, Valentina Anastasi¹, Silvia Bolognesi^{1,5}, Arianna Callegari¹, Zhen He⁶, Andrea G. Capodaglio¹

¹Department of Civil Engineering and Architecture, University of Pavia, Via Adolfo Ferrata 3, 27100 Pavia, Italy

²Department of Chemistry, University of Pavia, Via Torquato Taramelli 12, 27100 Pavia, Italy

³Black & Veatch, KS, USA

⁴Department of Civil and Environmental Engineering, Northwestern University, 2145 Sheridan Road, Evanston, IL 60208, USA

⁵LEQUIA, Institute of the Environment, University of Girona, Campus Montilivi, Carrer Maria Aurelia Capmany, 69, 17003, Girona, Spain

⁶Department of Energy, Environmental and Chemical Engineering, Washington University in St. Louis, St. Louis, MO 63130, USA

*Correspondence: daniele.ceconet@unipv.it, +39 0382 985764

***Corresponding author:**

Daniele Ceconet, Phone: +39 0382 985762; e-mail: daniele.ceconet@unipv.it

The following are included as supporting information for this paper:

Number of pages: 3

Number of figures: 2

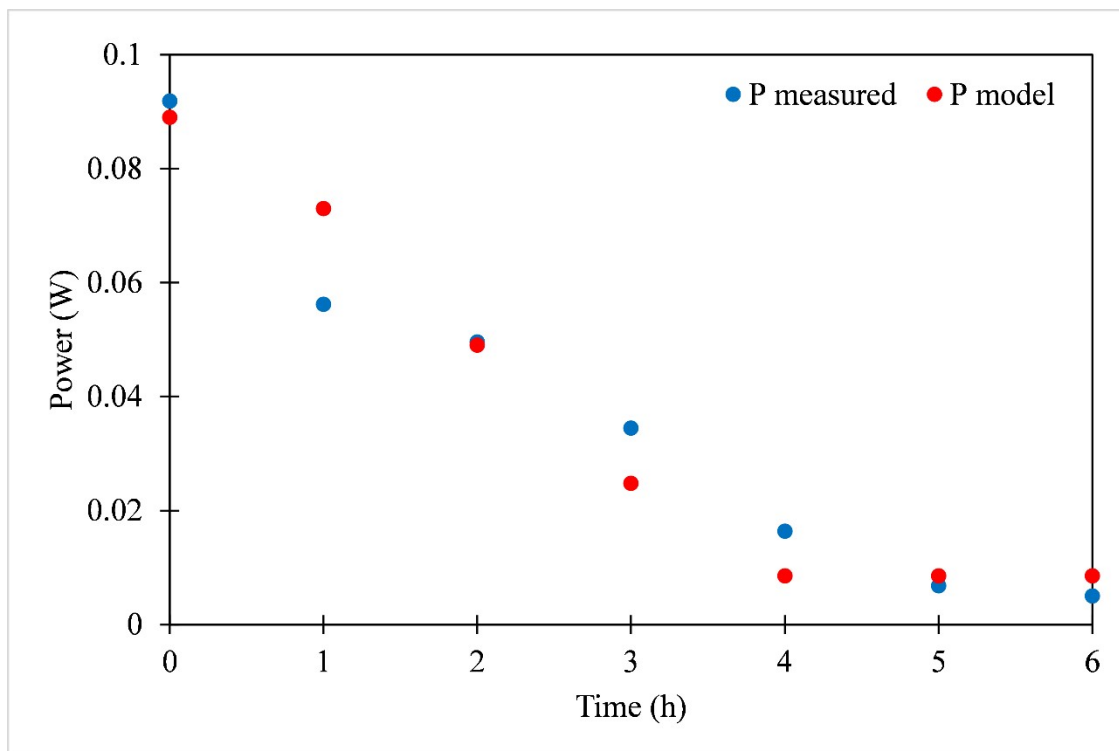


Figure S1. Comparison of measured and modelled power demand of the BES during the calibration batch.

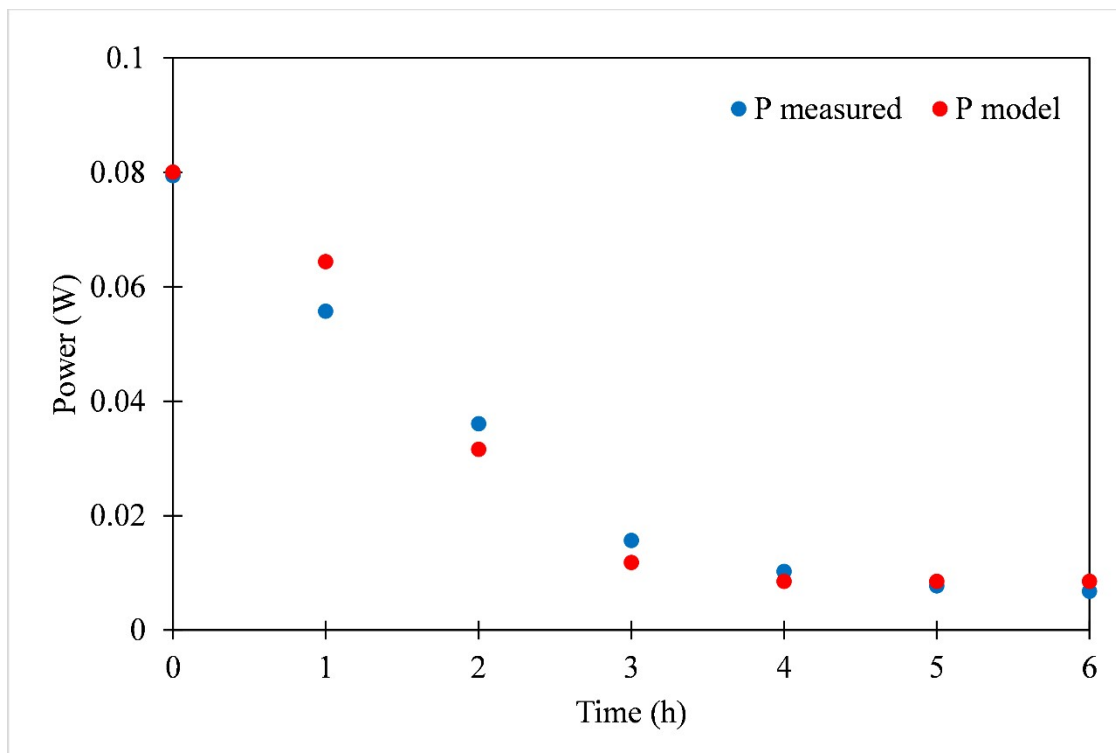


Figure S2. Comparison of measured and modelled power demand of the BES during the validation batch.