

Accepted Manuscript

Traditional or Additive Manufacturing? Assessing component design options through lifecycle cost analysis

Bram Westerweel, Rob J.I. Basten, Geert-Jan van Houtum

PII: S0377-2217(18)30318-7
DOI: [10.1016/j.ejor.2018.04.015](https://doi.org/10.1016/j.ejor.2018.04.015)
Reference: EOR 15077



To appear in: *European Journal of Operational Research*

Received date: 23 June 2017
Revised date: 19 February 2018
Accepted date: 9 April 2018

Please cite this article as: Bram Westerweel, Rob J.I. Basten, Geert-Jan van Houtum, Traditional or Additive Manufacturing? Assessing component design options through lifecycle cost analysis, *European Journal of Operational Research* (2018), doi: [10.1016/j.ejor.2018.04.015](https://doi.org/10.1016/j.ejor.2018.04.015)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We compare additive manufacturing to regular production in a component design setting
- Break-even characteristics of printed parts are obtained via lifecycle cost analysis
- The significant logistical benefits that printing offers are investigated in detail
- Printing investments can be offset by reduced lead times and by performance benefits

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6894584>

Download Persian Version:

<https://daneshyari.com/article/6894584>

[Daneshyari.com](https://daneshyari.com)