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Application of the Lean-Agile approach in construction: experiences from a case study

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The lean-agile approach has already been adopted by several industries such as automotive, technology, apparel and construction. However, despite several studies pointing to its benefits, in construction the use of this approach still suffers from many cultural resistances. Having in mind that the adoption of the lean-agile approach is something that can benefit construction companies, this article aims to demonstrate the practical application of tools and techniques that encompass this approach. Through a single case study using the participant observation technique in a Construction company located in the city of Campos dos Goytacazes, it has been collected and analyzed data from the application of the lean-agile approach in a set of 15 constructions. Thus, this article intends to contribute to the advancement of studies of the lean-agile approach by sharing the practices applied in this research, so that such practices can serve in the future as an input for the development of a lean-agile project management standardized model in the construction field, something that is still little discussed in the literature.

Keyword: lean-agile; construction; project management.

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