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Subject Area	Organisation and Processes
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Digital and Collaborative Construction Site Management

Hitachi Zosen Inova Pilot Testing in Buildagil and Concept for Use on the Construction Site



Hitachi Zosen Inova Construction Site Hitachi Zosen Inova AG (2019)

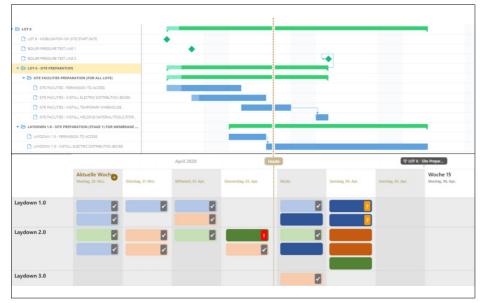


Initial Situation: Hitachi Zosen Inova (HZI) is a world leader in the field of energy recovery from waste and acts as a partner for engineering, procurement and construction. During the construction and commissioning of a facility, the HZI employees spend a long time accompanying the project and putting the facility into operation. In order to improve the construction site management, an agile project management approach was suggested. With the collaborative project management tool Buildagil a possible solution could be found. In a previous research project, it was examined whether the tool can fulfill the basic requirements of HZI. This examination was positive and resulted in a concept to test an HZI pilot in Buildagil.

Objective: The aim of this work is to propose and realize a test concept. This shall result in a recommendation about the usability of Buildagil. In addition, remaining requirements that HZI places on Buildagil must be defined. Finally, a concept for the use of Buildagil on an HZI construction site must be developed and a plan towards the global implementation must be elaborated.

Result: By implementing and testing a pilot, it could be shown that the current construction site management of HZI can be digitalized by using Buildagil. This digitalization significantly improves the efficiency of the management processes and creates a collaborative working environment. The main result of this work is the developed concept for the implementation and use of Buildagil on an HZI construction site. In addition, a roadmap towards the global implementation was elaborated, considering next steps, risks and change management.

Imitated HZI Cards Planning Board Own Creation based on Jerzy Woicicki & L. Colleran (2019)



Digitalized Planning in Buildagil Philipp Brühwiler (2020)

