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### **Process analysis of construction site in an existing building [MA 218]**

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The construction sector in Germany is one of the most important sectors that influence the economy of the country. Construction site in an existing building mostly referred to brownfield constructions are increasing in Germany. This is due to different reasons such as monument protection, change of building use, The concept of sustainable construction has been introduced in the construction sector through a set of standards in the form of certification systems. Recently so many international certification systems exist such as LEED, BREEAM, CASBEE, WELL, DGNB etc. In 2017, DGNB introduced a new certification system for construction site. This system is still in the pilot stage. One of the pilot projects for this system is the Main station which is also an example of a construction site in an existing building. The result of this study showed that the construction process for a new construction site is similar to construction site in an existing building. It also showed that the DGNB construction site criteria are sufficient for the sustainability of the construction site. Some areas that require improvement in the DGNB certification process are communication and exchange of templates between DGNB and the clients.