

# Predicting the Prevalence of Autonomous Heavy Equipment in the Construction Industry

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Autonomous heavy equipment is a topic that is gaining speed within the construction industry as incentives for innovation, safety, and productivity are on the rise. The objective of this study is to provide a more accurate timeline as to when autonomous heavy equipment such as asphalt compactors, motor graders, and excavators will be prevalent in the construction industry. This data can be helpful to construction companies for determining new workplace practices, safety lessons, budgets, and improve the views and goals of the company for long-term growth. Qualitative data was obtained through the use of a questionnaire sent to multiple industry experts and was compared with past literature on the subject. It was found that the technology itself has many technological and social complications that must be fully addressed before it will be seen routinely or efficiently on construction sites and its implementation is very far off.

**Key Words:** Construction, Machinery, Equipment, Autonomy

## Research/Methodology

Exploratory Research,  
Qualitative data gathered  
from questionnaire sent  
to industry professionals.

Notable Respondent: Aaron Witt, CEO of BuildWitt, a massive dirt moving company focused on introducing the younger generation to heavy equipment and dirt moving fields while helping companies adapt to and hire from the new generation.



## Goal

Help the construction industry  
and all those within or  
affected by it gain more insight  
into where autonomous  
technology stands.