



BIG DATA

ANALYTICS IN CONSTRUCTION

1



IoT sensors equipped on machines can provide information on active and idle time as well as fuel consumption for more efficient asset management

2



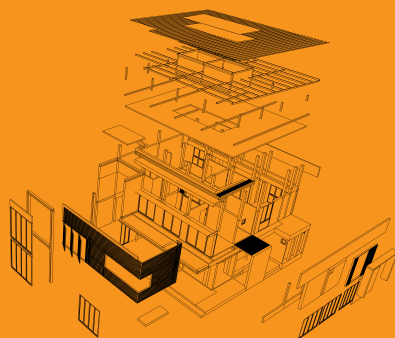
Geolocation data of the machines will allow logistics to be improved, spare parts to be made available when needed, and downtime to be avoided

3



Weather, traffic, community and business activity data can help optimized construction schedule

4



Temperature, humidity, and stress can be analyzed to determine how it affects a particular structure

5



Economic and political activity can determine labor and material costs