Offer a Recommendation

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# Recommendation

Based on simulations run with varying numbers of docks, I recommend that the company build between 4 to 8 docks at their new warehouse. Among all the options, 6 docks performed the best overall and are the most optimal solution. While having fewer docks may seem like a cost-effective option, it could lead to delays and inefficiencies in loading and unloading crates. The simulations showed that when the number of docks was limited to 1 to 3, the revenue generated was almost half as much as with 6 docks. However, having too many docks may result in underutilization and wastage of resources. When there were 9 and 10 docks, the revenue generated was almost the same as with 6 docks, but each dock had an average usage of only 25% to 30%. Therefore, building 4 to 8 docks, with 6 docks being the most optimal, appears to be the best number that balances the requirements of the company with the availability of resources.