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Petroleum Engineering

The purpose of optimization is to achieve the “best” design relative to a set of prioritized criteria or constraints. ... Engineers are often forced to identify a few appropriate design solutions and then decide which one best meets the need of the client. This decision-making process is known as optimization.

- 1) Everyone included in the decision of making of an engineering project has to consider then financial state of his or her state or region, the project manager must know the best affordable available resource needed for the job
- 2) Due to the fact that we are under a budge, doesn't mean we should underspend and buy resources that won't be good enough for the project, that's a factor and should be checked
- 3) And also the workers should also be checked by project managers and Human Resources and should be given salary based on the budget so we have to know who we are hiring with our level of financial expertise