Worlducation Solution Brief

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| Name: 20IT\_2\_cloud | Date: 15/9/2022 | Department: Production department |
| Issue being addressed:   How can WORLDUCTION ensure that the production efficiency of the factory does not decrease while realizing environmental protection and emission reduction | | |
| Proposed solution:    Student answers are to provide a pro and con analysis for each option and justify recommendation with at least 2 evidences.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | Pro | Con | Cost | Yes/No | | (1) Improve production process | Conducive to improving production efficiency and promoting business development | Employees need time to adapt to new production processes | 100000$ | NO | | (2) Government sets policy to limit polluting gas emissions from factories | Coordinate regulations with government departments, and coordinate the implementation of regulations | May not be flexible enough and will take time to test | 120000$ (Invite government professionals to design) | NO | | (3) Use advanced energy-saving and emission reduction equipment | Realize energy saving and emission reduction while promoting business development | Buying a new batch of equipment costs a lot of money | 1200000$( Including post-equipment maintenance and employee training fees) | YES | | (4) Formulate new company regulations according to national policies | Implementing laws and regulations in accordance with national policies is more binding on all employees | The regulations and policies to follow may be too strict, and company employees may need a certain period of time to adapt to the new regulations | 120000$ (Ask the company's professionals to design) | NO | | | |
| Advantages:   1. Factory replacement of new machinery and equipment can greatly improve the production efficiency of products.  2. Replacing the new and latest equipment in the factory can greatly reduce pollution emissions.  3.Some of the equipment in the factory has fallen behind, so it's just time to replace new equipment | | |
| Risks:   The quality of new equipment is not easy to guarantee, and employees are not familiar with new equipment | | |
| Resources:   The company has cooperating suppliers, which can meet our full set of equipment replacement. At the same time, the company has sufficient funds at present, the production business is in the off-season, and there is enough time for replacement | | |