

## 10 Reasons to Implement Machinery Simulation in Staff Education

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### Real-Life Experiences

Simulators provide real-world scenarios, situations and conditions that can be experienced and tested. Such training involves new technology, protocols, procedures and processes that employees will experience during their duties in the real environment. Experiential learning, is proved to be the one of the most effective methods, as employees gain deeper knowledge and insights rather than reading information or watching instructional videos.

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### Instant Feedback

With training simulations, employees can receive immediate feedback about their efficacy and use of the equipment. Instructors can provide constructive feedback in the moment of the exercise, allow employees to refine their mastery at the time, and retry new skills or approaches. The best results are achieved when instructors provide this comment immediately or soon after training sessions.

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### Knowledge Retention

By physically deploying new skills or actions, employees retain insights and learned knowledge. Not only will employees retain the theory and broader concepts behind the new processes, they will also be able to apply those principles to practice, further enhancing knowledge retention. Furthermore, practicing skills in the proper sequence, favour the assimilation of skills.

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### Reduced Costs and Time

With improved retention and practical, hands-on approaches, simulation training can dramatically reduce the amount of time and costs associated with employee training. With on-site simulation training, companies do not bear the costs of travel associated with the real machine training. Additionally, employees trained via simulation are up to speed on new tools faster.

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### Cooperation and Competition

Learning new skills and talents with others can be beneficial in several respects. For one, employees can learn from each other through observation and collaboration. Cooperation can have long-lasting benefits as employees trained together reach out to offer tips or help each other master new work.

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## No Risks

Simulation training offers a safe environment where employees are able to practice without causing harm or damage and therefore avoid having fear of making mistakes. Fear can cause acting irrationally which as result can be extremely dangerous in hazardous situations. Therefore, gaining confidence and overcome such fears earlier means alumni will have fewer of them long term. By reducing these risks, employees gain confidence faster as they learn from previous mistakes made in a no-risk training.

7

## Prepare

Repetition is the main basis for acquiring psychomotor guidelines, the operator must perform particular exercises or manoeuvres on several occasions for proper learning. Machinery Simulators offer possibility of repeating a given exercise as many times as the instructor deems necessary without having to assume the costs associated with the use of the actual machine.

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## Quantifiable Training

It is crucial to track and measure employee's progress during the learning process. Simulation training offers a number of tools in tracking, analysing, and reporting on training. This helps not only to modify training in order to achieve better results, but also these data could be used to provide HR departments with more credibility. Such information can be used to modify future programs.

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## Practice Specific Skills

Machinery simulation training can be used to learn a new skill as well as it can help employees who are looking to strengthen their skills. Managers and supervisors might want employees to gain more experience or address a gap in work efficacy or efficiency.

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## Fewer Emissions

The majority of the industrial machines still have a very high petrol consumption and consequently a high carbon dioxide emission. Training with machinery simulators, contributes to reduction in CO<sub>2</sub> emissions and avoiding negative effect on the world's atmosphere.

At LSyM, we help companies all sizes to incorporate machinery simulators in their employee training. Our experts in teaching and learning, have been creating simulators for over 25 years and offer services from **consultancy** (on best solutions, hardware, licences etc.) to the **bespoke solutions** (creation of a custom-made simulator shaped to the customer's needs).

[Contact us](#) to learn more about how LSyM can help your company take training to the next level.