



Phenomatics Virtual reality Software GmbH
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20th July 2009

Use of the Virtual Reality Training Simulator of the company Phenomatics VR Software GmbH

A Reference of the OMV Training Department

General

For 4 years, OMV has been using a Virtual Reality Training Simulator in its apprentice and skills training centre, which was developed and continually improved, together with experts from the production department.

This VR Training simulator is a training element, that is now indispensable. The simulator is known as **SAVE (SAfety in the Virtual Envornment)**, emphasising its importance in the area of work safety alongside operator training.

Most important tasks

All new skilled workers and apprentices of the refinery have to work through 4 weeks of training modules on the simulator. There are 16 compulsory modules. The simulator training is, besides the TYRO Course, the most important theoretical-practical element in the 2nd training phase of the apprenticeship.

The particular value lies in the following;

- **The training period until the trainee is capable to work alone on major apparatus, machines and operations, is reduced by up to 12 months**
- **This type of learning is extremely motivating especially for young trainees**
- **Repeated practicing can be done at one's own pace, until the required standard is reached, without endangering the plant.**



- **This training is the most important element of safety for all new employees who have never before worked in such a plant.**
- **Theory and practice come to life, for example through the visualization of the inner working of a column, a condenser, etc.**
- **The educational principle of self-responsibility in learning is translated into practice: best practice!**
- **The success of the training with the VR Simulator is de facto guaranteed.**

Through the continuous expansion of the simulation by practitioners and experts, a 1:1 representation of reality has been achieved.

Furthermore, an optimal connection between theory and usage is achieved, due to the visualization of the inner working of various apparatus, so that this tool can also be used in lessons prior to the training.

From the financial viewpoint, the reduction of training hours is a very important factor.

A reduction in the total plant downtime is assumed, arising from the drill-like practicing of operational sequences. The financial impact of this should not be underestimated. Know-how and self-assuredness of the trainees is rapidly increased, so that new workers can be integrated in the shortest possible time in the plant as fully functional team members.

Summary

The VR training simulator from Phenomatics GmbH is the most modern available training tool, which accelerates training efficiency, individualizes the training experience, and significantly reduces costs.

I am pleased to confirm, that I have found the people at Phenomatics GmbH to be reliable, competent, and extremely motivated partners for the refinery and for our training goals. Their high level of technical know-how guarantees best-possible solutions for our company.

Best wishes,

HR Management & Consulting
Trainees

(STEINWENDER)