



The Visual Decision Company

Virtual Reality solutions for plant construction

ICIDO solution offering
Achema 2009



VR in plant construction

Save money and secure your planning process

Virtual Reality and Virtual Engineering play an increasingly important role as a method and technology for the planning, design, construction, training and the safe operation of plants or refineries. Specifically, the following advantages can be seen using Virtual Reality:

- Minimize the risk by holding comprehensive and comprehensible documentation
- Reduce error costs through realistic training in virtual systems
- Faster collaboration of different departments and decision making thanks to understandable visualization
- High transparency in the entire lifecycle of the plant even with old plants by virtual representation

Realizes enormous savings

According to a study by the Fraunhofer IFF the use of Virtual Reality offers remarkable savings. The production can be, for example, by up to 30 percent faster, the production cost can be decreased by 40 percent and investment costs reduced up to 30 per cent.



The ICIDO Achema Offer 1 week virtual review

- You receive for 1 week of a complete package consisting of a Virtual Reality system and operator + 3D scanning services and local transportation costs within 600km.
- In this week we examine with you the state of your current 3D design data and / or your existing factory in a 1:1 representation, and the realistic behavior.
- Investigate this week
 - Questions about the interfaces between processes
 - Questions about the maintenance processes
 - Question about the component logistics
 - Questions about ergonomics and reachability
 - Questions about regulatory requirements
 - Questions about your existing plants (3D scanning)
 - Questions to be built as planned
- **You will win: The security about your current planning status**
- **Your costs: 12.000 Euro**



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For the first time at the AICHEMA 2009 the industry leader for Virtual Reality Solutions - ICIDO -, the Fellbacher service provider scantec 3D and imsys, the partner for Virtual Reality hardware, demonstrated the whole process from the three-dimensional collection of data, over virtual reviews of these data to security-related documentation and therefore the entire spectrum of potential application of virtual reality was presented.

"So far, many companies the plant industry lacked in a continuous process from the inventory over the visualization to the documentation. In the combination of the three partners, ICIDO, imsys and scantec3D for many companies arise new opportunities and allow for massive savings in the planning and documentation phase .

Tobias Weber, scantec3D



The combination makes it

For a successful use of virtual reality in your company in all phases of the plant lifecycle the use of specialized and experienced partners are recommended.



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The Visual Decision Platform by ICIDO gives support in all areas of the life cycle of plants and constructions: from design, through development and construction, or - Building and rebuilding of plants, the documentation and training as well as customer service and presentation. In all areas there are lucrative opportunities for the use of interactive virtual reality solutions..



scantec 3D is a service provider in the field of laser scanning and 3D object detection. Our staff are surveying engineers and technicians. This guarantees a high quality of our results. Through close contact with planners and developers of the various industries in which we operate, the specific know-how is available.



imsys develops and manufactures hardware technology for the realisation of highly productive Virtual Reality and Multimedia environments for all application areas. Our Virtual Reality systems combines the latest technological advances with the highest standards in design and functionality for the realisation of more efficient, application-orientated VR environments. The solutions range from affordable mobile and standard solutions to scalable individual solutions.



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