



VRcontext

## PROCESSLIFE

VRcontext is a spin-off of Tractebel Engineering (a company of the “Groupe Suez”) and was incorporated in 2000. It is widely recognized for its flagship products, Walkinside® and ProcessLife® after a decade of pioneering VR technology development. VRcontext is committed to deliver excellent performance to its clients and is constantly striving to exceed their expectations. Being a young, dedicated organization, the company is continuously seeking to develop mutually rewarding relationships and partnership with value-add organizations. VRcontext delivers highly flexible solutions without compromising adherence to ISO and other standards.

VRcontext manages its business based on the principles of strong corporate governance, a clear system of management accountability, and a set of values and policies for quality programming. The corporate governance policies emphasize the importance of the relationship between the Company, its management, the Board of Directors and its shareholders.

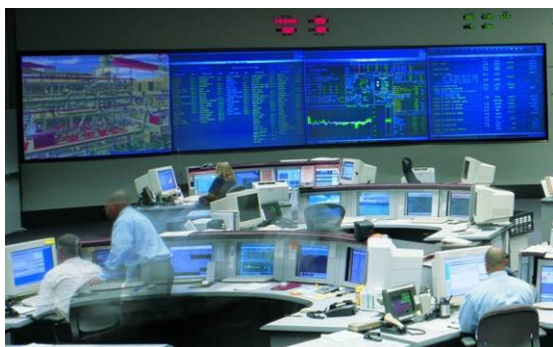


### A Decision Support Solution

Through **ProcessLife®**, VRcontext provides unlimited opportunities for customization in advanced integrated operations, whereby real-time access to monitoring systems, such as sensors, control systems, and data distribution, can be bi-directionally associated with the 3D virtual model, effectively making it a 3D real-time asset portal. Customization can be implemented by the owner-operators, their preferred system integrators, or by VRcontext under a software development service agreement.

The resulting environment enables the development and implementation of best practices in the areas of maintenance, process simulation, safety, and security — as any sequence of events or incidents can be realistically simulated and evaluated. Immersive skills development programs can then be delivered in the context of a 3D virtual model of the specific industrial facility.

### Asset management



Owner/Operators can improve asset ROI by making faster, better decisions in an intuitive and less ambiguous environment. Identifying, diagnosing, and resolving or preempting a problem in a virtual environment significantly improves real-life plant operations and helps manage critical events, thereby mitigating the negative potential of adverse situations and their resulting liabilities.

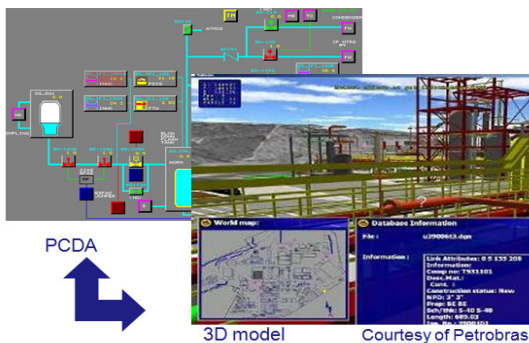


## Integrated Viewer

The 3D virtual model is integrated with production systems using the ProcessLife module. Operators switch between 2D control systems and navigate in the virtual model using simple mouse actions to directly link with the DCS or SCADA applications.

- Control room operators are generally located in a safe central room, far away from the processes and equipment they monitor. In their assessment of an alarm, the real-time correlation between sensors and the 3D virtual model guides them directly to the problem area.
- Maintenance teams can visualize ongoing work, plan future projects, and simulate complex change-outs through the model.
- Trainees can benefit from reduced learning time through immersive and non-immersive training in a 3D model of the actual plant.

## Operations - 3D SCADA



In process industries, operators are generally located in a safe central control room, far away from the processes and equipment they monitor. Some of the processes monitored, such as deep-sea oilfields, are impossible to visit or walk through.

The visualization tools used in control rooms are process-oriented. The control room operator cannot determine if a failing pump is close to a tank containing hydrogen. Adding a 3D view, which is just a mouse-click away from the alarm message, is extremely valuable to an operator assessing a critical situation. In the flood of alarm

information presented to an operator during an incident, relationships with other events or incidents are difficult to determine. Linking SCADA systems with the 3D virtual model helps control room operators through real-time correlation that leads directly to the problem.

ProcessLife links the 3D virtual model of the asset with the data server processing real-time operations data, including SCADA and DCS systems. This makes it possible to integrate real-time data for invisible asset management, even in ultra-deep water.