

GemsoTEC Digital Twin

The complexity of an industrial environment, captured in one digital model



An industrial site is a complex environment with large amounts of assets spread out over a vast area and containing different levels. It entails many risks associated to the nature and large number of activities. Top priorities in your plant are safety, quality, efficiency and reliability. On your way to operational excellence GemsoTEC offers an integrated and interactive Digital Twin of your plant that digitally connects assets and operational documents with your employees. This Digital

Twin opens up various innovative solutions to have full control on your operations.

Interactive, digital and mobile, anytime, anywhere

Imagine you can consult the right operational documents in a smart and interactive way. Imagine you have a full overview of the works on your plant. Thanks to the GemsoTEC Digital Twin everything you need for safe operations and efficient asset management is at your fingertips, anytime and anywhere. GemsoTEC Digital Twin collects all operational documents such as procedures, instructions and work permits. It makes them accessible in a smart and interactive way and all actions are automatically archived. No paper, all digital.

Navigate around, and instantly locate assets



Knowing your industrial site takes years, knowing every detail is even impossible. GemsoTEC Digital Twin allows you to locate equipment without effort. Take a virtual tour or simply navigate to it using a mobile device. Our digital twin supports operators and technicians in their daily activities (e.g. maintenance) making them fully effective faster. In a crisis, it enables to win time when every second counts.

Track your workers in real time, indoor, outdoor and in 3D

An industrial site is a complex and confusing environment with limited open space visibility. Do you have full overview on where your employees and your subcontractors are? Are they working on the right equipment? During an emergency, you don't want to lose crucial time looking for workers. Combining tracking technology with our solution enables accurate tracking in 3D. Our model also ensures automatic smart alerting, for example when entering a zone of risk or a zone for which you are not authorized.

Imagine the future, imagine augmented reality

Take a step into the future by the implementation of augmented reality in your industrial site. Augmented reality combines the real situation in the field and the digital model in one view. Augmented reality seamlessly enriches the worker's view to assist navigation, to provide vital data in the field or interact with a senior expert anywhere in the world. It is made available to the operator or technician on tablet.



Contact us

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