

InSite Solution Virtual Reality

In today's technologically adapting environment, virtual reality is considered an effective way in which to portray difficult sums of data in a digital setting. This data-collection method is far more versatile than the generic, still photography and drawings collected in times past. Applus+ has developed InSite, a unique data-management solution, which includes a virtual-reality module that enables customers to remotely: tour their site or facility; perform safety planning with contractors; plan construction or renovation jobs; annotate areas of interest; attach relevant documents; take accurate measurements in all dimensions; view high-resolution photography; and use the optional in-browser point cloud.



THE Applus+ SOLUTION

As experts in the field, Applus+ has developed specialist protocols for deploying laser-scanning systems in an effort to aid effective workflows, providing the information required with minimal time on site. Data gathered may be used for an array of purposes: planning of site facility tours; facility flyovers; safety and egress planning; 3D modelling of plants and/or assets; effective pre-planning and scoping; ensuring proposed equipment fits within the allotted areas; and creating demonstration and training videos as just a few examples. Pertinent data can subsequently be tied within the virtual-reality set, measurements within realms can be taken with great accuracy and the data can be accessed through simple internet connections, including Applus+ InSite.

Target customers

Deploying site laser scanning with a view to creating virtual-reality environments from the data sets collected is of potential benefit to a wide range of industries. From difficult congested areas to sparse layouts, tank internals and potential equipment sites, many sites can be laser scanned for virtual realms, thereby expediting the data-collection and



analysis process and providing additional benefits to stakeholders in terms of quality and effectiveness.

Key customer benefits

One of the key advantages of using laser scanning and virtual-reality sets over previously deployed conventional techniques is the ability to leverage technology. Using the information garnered within such a high-tech data-management system enables distinct parts of a business to collaborate on solutions rather than relying on verbal descriptions and/or pictures to describe specifics. Not only does this help clients to take the correct decision at the correct time, but it can also result in significant time – and therefore cost – savings.