

Bringing the real world into Intelligent Modeling

Computer technology has transformed the design and engineering of new plant and equipment. But retrofits and upgrades of existing plants, until recently, relied on error prone manual surveys; not always easy and, in many locations, hazardous to perform.

All this has changed with the integration of sophisticated laser modeling technology with plant engineering. Laser Model interface fused state-of-art, data centric 3D design with high-definition scanning of the real world to bring massive benefits to plant engineering and operations.

RCMT offers information management solutions, and integrated Engineering and Design solutions to create a powerful digital as-built plant, where brown field information is truly evergreen.

Business Benefits

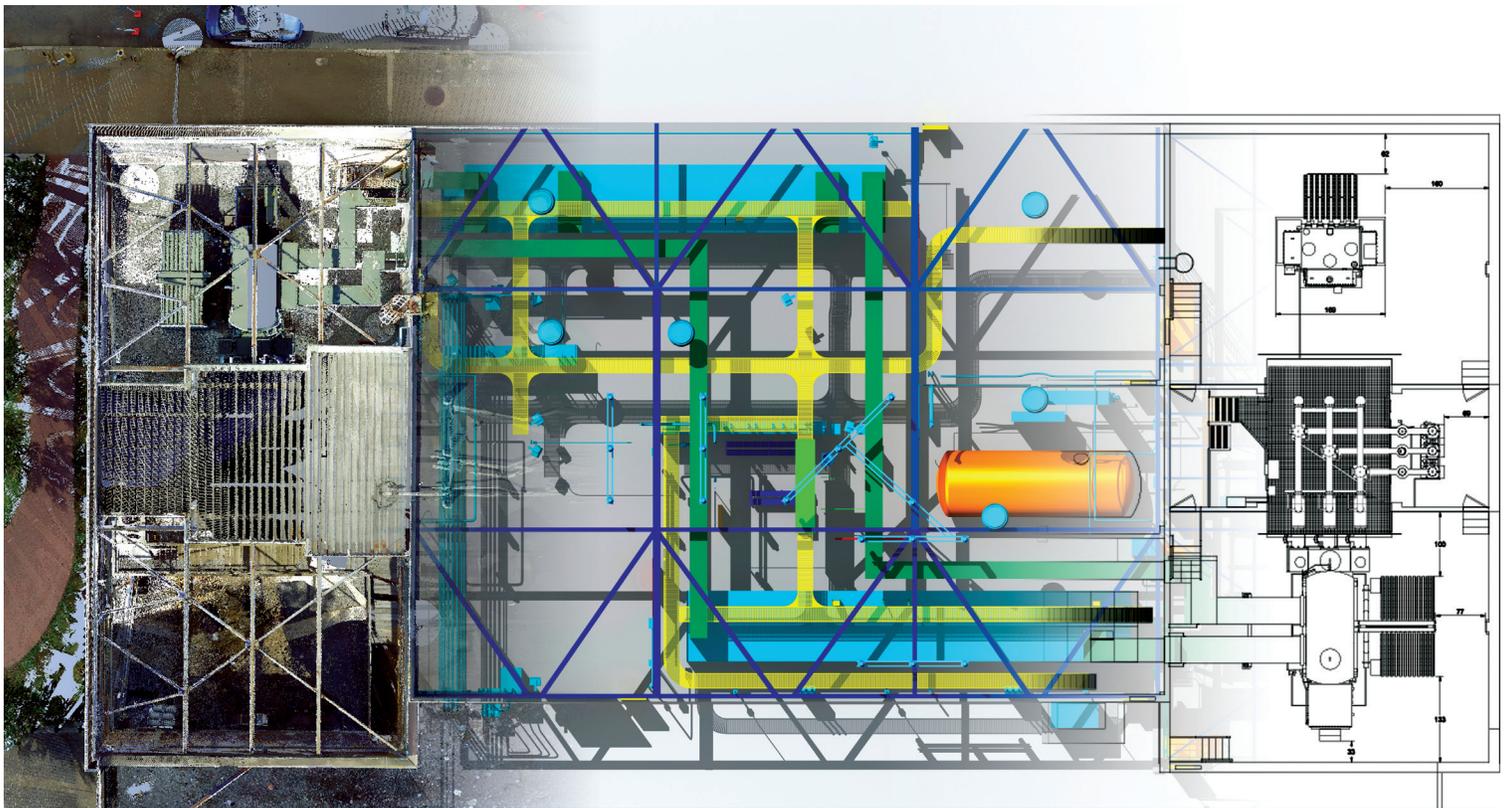
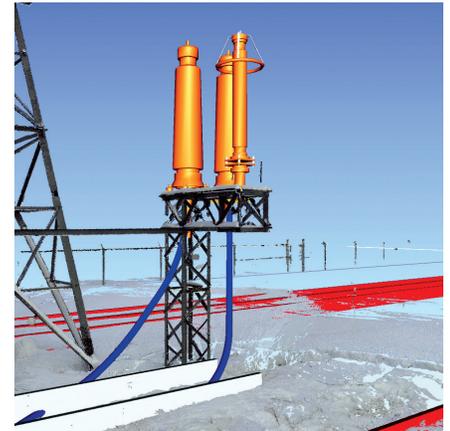
Laser Model interface will transform the way that you reengineer brownfield plants.

Reduce Risk

Hazardous locations can be surveyed safely and quickly so that site risks are minimized.

Less commercial risk

The most demanding brownfield projects can be tackled with maximum confidence in the as-built model.

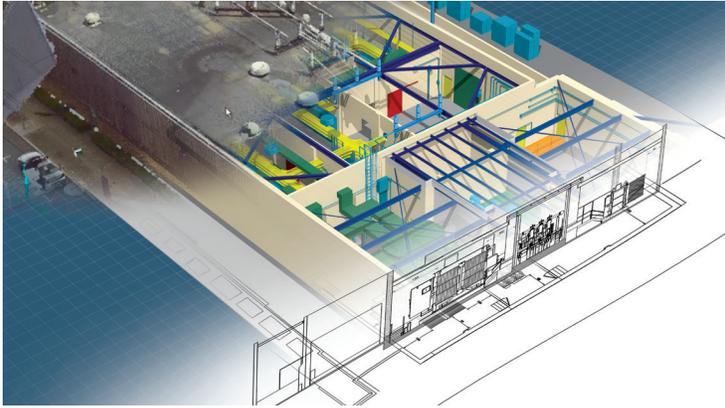


Scanned data converted into a 3D model and ultimately to As-Built/As-Is documentation

Key Features

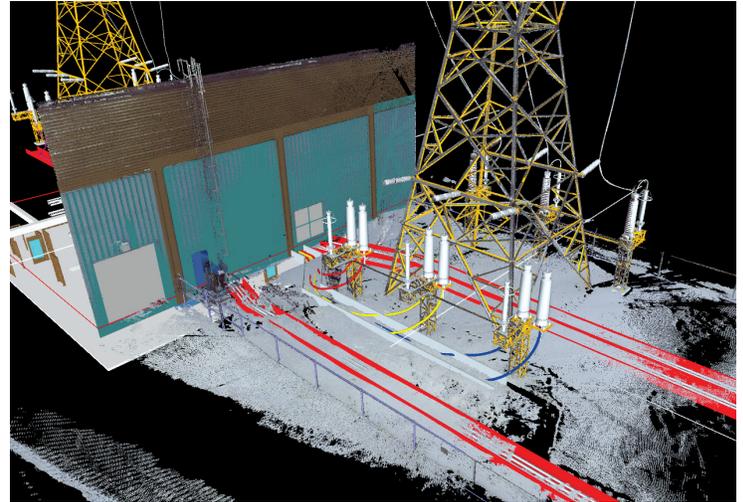
We develop the BIM Model, construction and logistics schedule simulation, visual construction schedule – 4D.

With our 3D Scanning solutions, you can: Replace your old as-



built with accurate 3D CAD models.

- Accurately measure discrepancies between as-designed and as-built models.
- Validate installation, commissioning and maintenance procedures.
- Position a model or process module in an accurate model of its planned site; Communicate design intent to stakeholders; Check site compatibility.
- Verify compatibility of modules prefabricated at different locations before shipment to the site.



Business Benefits

Quicker Projects

Site survey times can typically be halved.

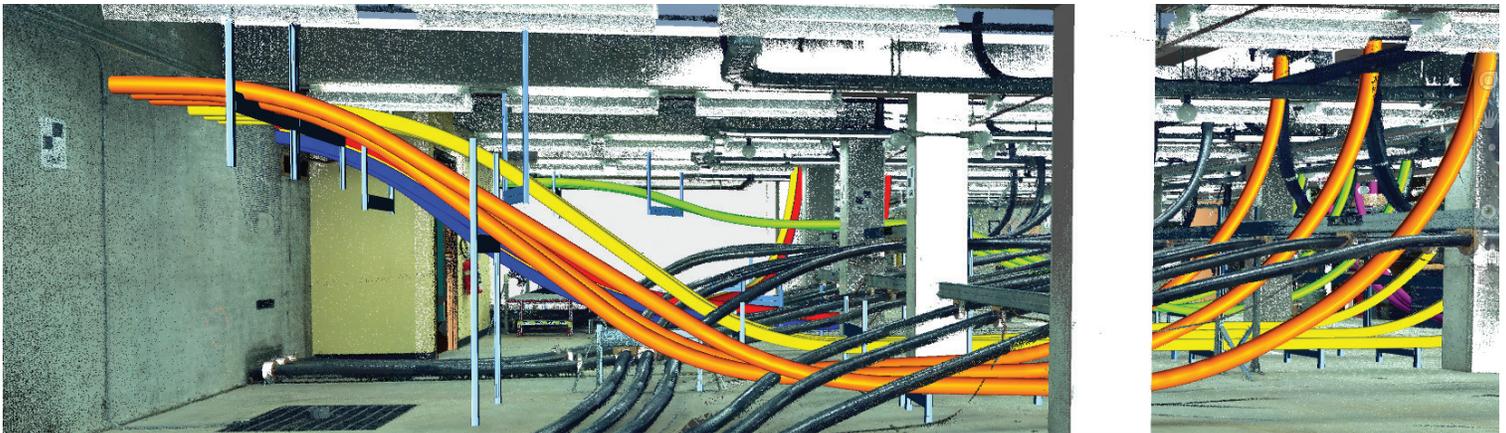
Integration with BIM allows overall design time to be reduced by up to 10%.

Higher Quality

Accurate, high-definition surveying allows for “right the first time” design and less work.

Less Cost, Less Downtime

Accurate design means less on-site fabrication, lower installation cost and less downtime.



New High Voltage cable routing design within the existing environment