



### Major Refinery

#### Digitized Facility™, As-Built Documentation

##### Situation

A leading refiner in Louisiana discovered corrosion on the bottom portion of a distillation column. It was proposed that a forty feet section of column be removed and replaced by a newly fabricated section.

##### Challenge

The client required that the existing section be demolished and the new section added over a weekend shutdown. Unfortunately, the facility lacked accurate and current existing condition documentation.

##### Solution

Quantapoint used laser scanning to “digitize” version the existing distillation column. The resulting Digitized Facility™ included photo-realistic and panoramic Laser Images™ of individual laser scans and high-definition and detailed Laser Models™ that integrated all of the laser data.

Quantapoint created sections using the Digitized Facility to locate the nozzle and clip orientations and elevations. The engineering contractor used this information to fabricate the new column. Quantapoint as-built specialists then completed the nozzle and clip orientation/elevation drawing using AutoCAD.



*Quantapoint Laser Image (Not a Picture)  
Each Point is a Measurement*

