

Quantapoint Case Study

Quantapoint Helps Accurately Document an Historical Site

Carrie Blast Furnace

Situation

The Carrie Blast Furnace, a former industrial site, was being converted to a museum in which the existing site equipment and features were to be an integral part. This required accurate information for the existing building and equipment layouts.



Challenge

Unfortunately, no existing conditions documentation was available and re-creating it manually would have been a time-consuming and costly manual process.

Solution

Quantapoint was called upon to develop accurate existing condition (or “as-built”) documentation using integrated laser scanning. Quantapoint’s as-built laser documentation™ is a “turnkey” solution that combines hardware, software, data processing and delivery. Quantapoint rapidly collects, registers and verifies billions of highly accurate measurements to provide a consistent and up-to-date “digitized building” of as-built laser documentation – without invasive manual measurement, purchasing costly hardware or time-consuming remodeling.

Results

The digitized building provided a dimensionally accurate representation of the building on the desktop that can be used to create various 2D drawings, such as Floor Plans, Exterior and Interior Elevations, Reflected Ceiling Plans, Roof Plans, Building Sections and more. The result is reduced costs, optimized schedules, increased quality and improved safety. In less than three weeks, Quantapoint gathered more than 1,000 3D laser scans, which were used to create a 3D physical model for the entire facility for planning purposes that included features such as building locations, piping, equipment, reactors, vessels and structural steel.



www.quantapoint.com

Pittsburgh, PA: +1-412-653-0100

Houston, TX: +1-713-861-0883

Chicago, IL: +1-630-778-0502

info@quantapoint.com

Egypt: +20-10-124-2626

Nigeria: +234-1-270-5825

Mexico: +52-55-5536-0123

