



Veritas surmounts historic obstacles to meet space, schedule and weight requirements in downtown London multi-linac installation

PROJECT

Guy's and St.Thomas' King's Health Partners Cancer Center

LOCATION

London, England

GC/PROJECT MANAGER

Laing O'Rourke Construction

VERITAS SCOPE OF WORK

Provided six modular Veritas Radiotherapy Treatment Suites complete with Veritas SmartDoor® radiation shielded swing style entry doors

SITE LOCATION

Upper-level installation

The Challenge

The time schedule for the Guy's and St. Thomas' King's Health Partners Cancer Center in London was tight. The installation of the six 10MV linear accelerators was on upper floors, so the weight and space consumed by the shielded walls, doors, floors and ceilings would be critical. And then, out of the past, a major obstacle sailed into the mix. A Roman boat dating back two thousand years was buried 15 feet below the surface where the structure was to be built, halting construction as city officials and historical preservation advocates assessed the situation. All in all, the site required light weight and thin walls in its radiation shielding. But most of all, it required flexibility, a virtue that the industry's default choice, a poured concrete vault, is not known for.





The Solution

Veritas ultra-high-density, environmentally friendly radiation shielding, direct-entry doors and innovative structural support design proved to be the perfect solution for the six linac suites. The company's multi-disciplinary approach combined the skills of in-house physicists, architects, engineers, and construction specialists. And it backed the installation with its 100% shielding guarantee.



The Results

The VeriShield design solution took full advantage of the company's unique strengths, incorporating a variety of different materials and deploying different thicknesses at various parts of the design to reduce the weight and space required. Walls received one thickness, floors and ceilings another. And all used Veritas' sine-wave curve design and unique formulation to stop the transmission of radiation. The doors in particular operated much more smoothly than competitive products, which have inherent problems with weight distribution and outdated operating systems.

Best of all, the installation flexibility afforded by the innovative Veritas shielding design allowed the building



program to easily accommodate the delays caused by the ancient boat that was ultimately preserved and incorporated into the final structure as an exhibit.

To learn more about how Veritas Medical Solutions can benefit your next project, contact us at info@veritas-medicalsolutions.com