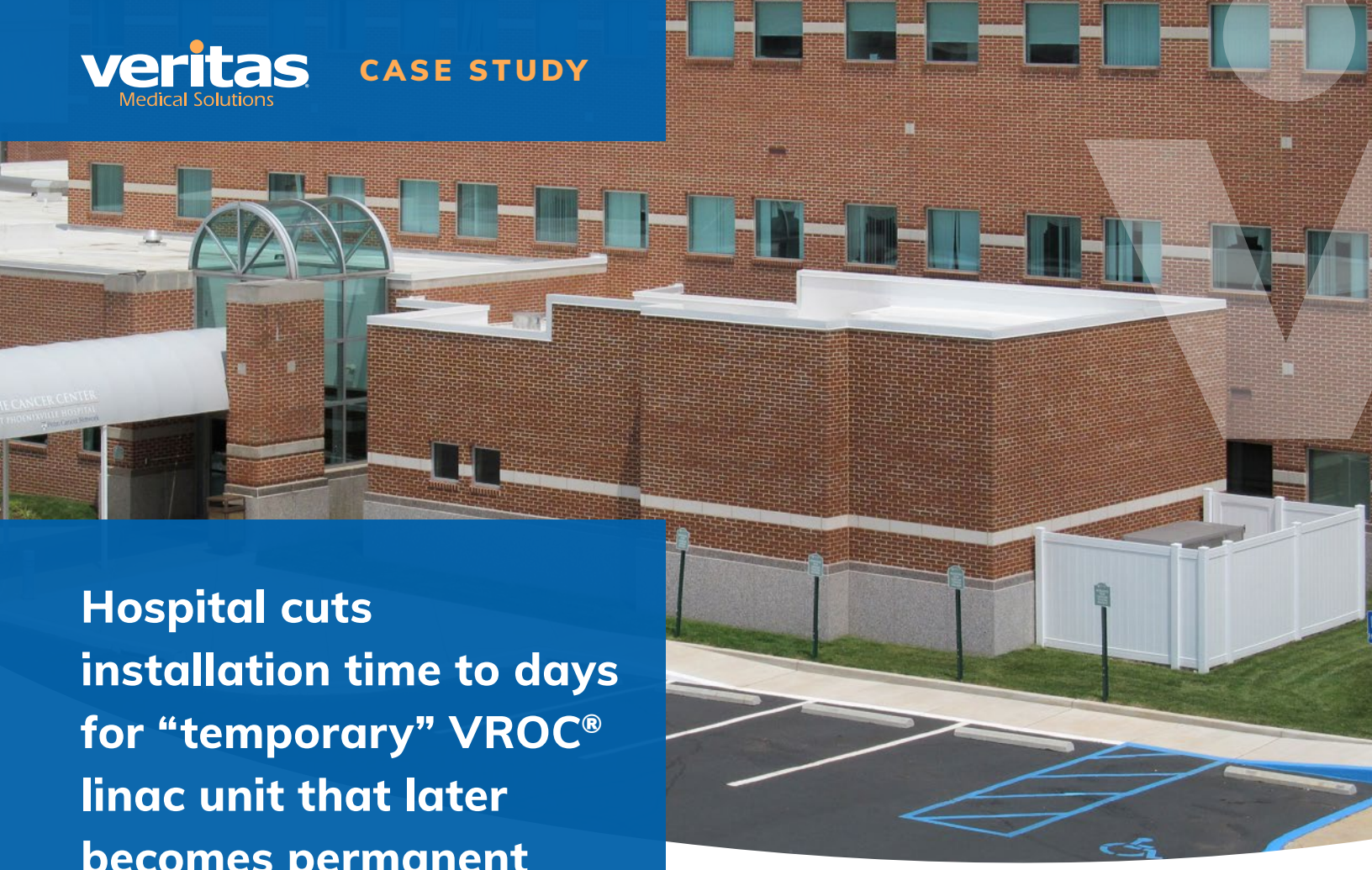
veritas Medical Solutions

CASE STUDY



Hospital cuts installation time to days for “temporary” VROC® linac unit that later becomes permanent

PHOENIXVILLE HOSPITAL

Penn Medicine Cancer Network | Member

PROJECT
Phoenixville Hospital Cancer Center
Linear Accelerator Expansion

LOCATION
Phoenixville, PA USA

GC/PROJECT MANAGER
IMC Construction, Inc.

VERITAS SCOPE OF WORK
Design, construct and install permanent Veritas VROC facility, including additional service module

SITE LOCATION
Outdoor open location with adequate

The Challenge

Phoenixville Hospital wanted to upgrade an existing linear accelerator in its Cancer Center. To avoid a complete shutdown of the facility while the renovations were under way, Phoenixville explored the possibility of a “temporary” facility that would be in full use while its existing unit was being refurbished. Then, when the project was complete, the temporary vault would be disassembled and removed. Like many hospitals, however, the landlocked facility had relatively little available land other than parking lots, where spaces were usually at a premium.

The Solution

The hospital contracted with Veritas to install the company's modular Veritas Rapid Oncology Center (VROC) as a temporary stand-in while the hospital's existing linac was being upgraded. Several additional rooms, including a control module, were included in the project. The hospital selected the Vermont-style interior from a Veritas standard package of SmartSuite™ finishes with some customization.

Veritas assumed sole-source responsibility for the environmentally friendly, ultra-high-density shielding and provided its standard 100% guarantee, supported by Veritas multi-disciplinary team of physicists, architects, engineers, and construction specialists.

Because the VROC was designed and assembled at a Veritas facility, site preparation and room construction were able to occur simultaneously, dramatically shortening the construction schedule. After internal and client reviews and updates were completed, the modules were disassembled and shipped to the hospital site. Because of the way the modules were packed and shipped, no special road transportation permits were required.

The Results

The Veritas VROC installation went off without a hitch. Veritas shielding packs (called VPAC®), some of which weighed as much as 22,000 pounds, were craned into position to shield the treatment room. Veritas factory-certified construction team installed the 48 VPACs in three days and the finished modules in less than a single day, despite a late-season snowstorm that might have disrupted construction had they resorted to traditional poured concrete methods.

The finished structure, which weighs a million pounds, is half the weight and thickness of a similar concrete vault but has the same level of radiation attenuation.

After the facility was in use, Phoenixville discovered that its personnel liked the "temporary" linear accelerator unit so much that the hospital decided to make the facility permanent. And once again, Veritas flexibility paid off: the new structure required virtually no adjustment to make it permanent.

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

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