

# Linear Accelerator CVPH



**Client:**

Champlain Valley Physicians Hospital.

**Location:**

Plattsburgh, NY

**Project:**

CVPH Medical Center faced an urgent requirement to expand the Fitzpatrick Cancer Center facility to meet the growing health care needs of the community. Salem Engineering was selected as Design Team Leader for this fast-track construction management project to add facility space for a used linear accelerator machine.

This time sensitive project was complicated by the fact the design had to proceed without full data on the specific linear accelerator machine being procured, and the need to design the facility to accommodate a new machine in the future. The new facility was fully operational in less than 100 days from start of design. Systems engineering included structural, high energy shielding, neutron shielding, power conditioning, process refrigeration, HVAC, power and lighting, signaling, and communication systems.

