

# MAJOR CANCER TREATMENT CENTER LOOKS TO IT EXPERT RESTECH FOR DATA STORAGE SOLUTION

## CUSTOMER PROFILE

*OncoLogics, Inc. is a recognized leader in the field of radiation oncology. As the only ACRO (American College of Radiation Oncology) accredited facility in Louisiana with multiple locations, OncoLogics is at the forefront of U.S. cancer research and therapies. The organization prides itself on treating its patients "personally, intelligently and locally."*



## THE CHALLENGES

With 10 cancer treatment facilities across southwest Louisiana and Mississippi, OncoLogics, Inc. is the most comprehensive provider in the region. The renowned cancer treatment organization is in the process of becoming one of only a handful of treatment centers globally to utilize a Proton Beam Radiation Therapy system. This state-of-the-art technology is considered the "gold standard" for treating cancer, allowing oncologists to deliver the maximum dosage of radiation while significantly minimizing damage to the surrounding healthy tissue.

Over the last decade, the influx of new technologies has permeated nearly every aspect of the radiation oncology field. In order to stay ahead of the technology curve, OncoLogics was already researching a better way to manage their ever-expanding digital patient data needs. Large patient files contain precise treatment data. They often include hundreds of pages of documentation, along with digital films and sophisticated 3D treatment plans. OncoLogics saw that the addition of their forthcoming Proton center, the only one in the region, would significantly increase their patient load. It would subsequently also considerably increase their processing, storage and archiving needs.

Despite their proximity to the Gulf of Mexico, OncoLogics has always managed to address the issue of data security, even in the face of huge natural disasters like hurricanes.

Teams of dedicated professionals worked effortlessly to secure OncoLogics' facilities whenever a storm threatened. Yet OncoLogics felt that their current reactive approach needed to be replaced with a more proactive, permanent solution to ensure not only the safety of their data, but the availability to it as well.

## RESTECH PROVIDES THE SOLUTIONS

OncoLogics looked to Jefferson, Louisiana IT company Restech to help them thoroughly assess the situation, knowing that Restech had extensive experience in critical system security, virtualization and disaster planning. OncoLogics was also aware that Restech had helped numerous New Orleans area businesses secure their networking systems prior to and during Hurricane Katrina's devastation in 2005.

Restech met with OncoLogics' team managers to understand all objectives and explore the basic geographic challenges. To assist OncoLogics with their anticipated patient data volume increase, Restech suggested an HP Enterprise Virtual Array (EVA) along with eight HP DL360 virtualized G7 servers. The HP EVA would supply a more robust infrastructure and the G7 servers would help speed up application delivery, increase energy efficiency and reduce OncoLogics' carbon footprint.

"The EVA and virtualized HP servers would allow OncoLogics to grow without hitting another technology ceiling," explained Shane Dantin, Restech's Director of Operations.

Restech also helped OncoLogics locate a new co-location facility. The designated site, in Baton Rouge, would be situated on higher ground, housing all networking equipment while providing uninterrupted internet connectivity and phone service.

Security would be guaranteed with the usage of finger scans and ID badges. Connectivity redundancy would be assured with multiple providers for power, heating and cooling. The Baton Rouge co-location facility would provide a safe, disaster tolerant, centralized repository where information could be easily accessed remotely by any of OncoLogics' authorized clinicians and personnel.

"Restech provided incredible knowledge when it came to understanding our applications," said Justin Bragg, OncoLogics' Chief Technology Officer. "This in-depth understanding led to choosing the right infrastructure to meet our needs."



## ABOUT RESTECH

*Since 1992, Restech has brought proactive, enterprise level IT solutions and services to the SMB market. Located just outside of downtown New Orleans, the company works closely with a variety of industry verticals including healthcare, legal, and banking to provide managed services, security, virtualization, disaster planning, e-mail archiving and unified communications.*

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## THE FUTURE

Restech's initial assessment began mid 2010. As of mid-2011 they're already completing configuration of the new SAN and servers and are migrating physical servers to the Baton Rouge site.

The new SAN solves the increased capacity challenges and will allow OncoLogics to consolidate disparate systems more cost effectively. Restech also provided OncoLogics with new networking equipment, backup solutions as well as a comprehensive review of their phone system to upgrade speed and performance.

"We're very excited since the combination of a new scalable SAN and virtualized servers are helping give us a technology data center for the future," says Bragg.

"The HP EVA is easy to manage, solves the problems of under-utilization of capacity by physical servers, helps OncoLogics save money and offers virtualized storage with enterprise class functionality," says Dantin. "Plus, it's backed by HP's great warranty support which gives us a lot of flexibility in managing the system for OncoLogics."

The Restech centralized storage solution means OncoLogics' professionals can now easily and securely access comprehensive patient care information from any of their locations. The secure Baton Rouge facility mitigates risk for data loss or corruption.

"When physicians and staff can more easily access patient information, it allows us even more time for patient interaction," says Bragg. "Whether our patients realize it or not, they're now in the hands of a multi-faceted oncology team working in concert from all of our locations. They are able to confer upon and revise a treatment plan from multiple locations in order to provide the best possible team-oriented treatment, all by having not only the best treatment modalities at their disposal, but the best IT solutions, which is a big plus in today's competitive healthcare arena."



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