

# Internet host insists on 100% uptime with Current Technology® protection

Running a world-class data center means using quality products to stay online continuously. For Ray Abadie, that means using Current Technology® surge suppression.

The well-known data center consultant launched Triara.com in January 2001 at its headquarters in Monterrey, Mexico. The e-commerce company is a joint venture between Mexican telephone company Telmex and Hewlett-Packard, a U.S. computer equipment maker.

Triara.com offers shared and dedicated hosting to businesses around the world. It also is a colocation facility for clients with their own equipment.

"Triara offers more than our competitors internationally anywhere," Abadie said. "We have more reliable Internet connections and security than anyone. We examined the current offering of our competitors and went beyond that to achieve the finest data center." Detail is paid to every facet of the data center to ensure it runs 24x7.

"We have a fully duplicated power structure," Abadie said. "Each power distribution unit has a transfer feed from both sides of the house. It's all designed to survive dual failures. In essence, we went for double-overkill."

Arco Equipos y Servicios del Norte, S.A. de C.V. designed Triara's electrical structure. The electrical consulting firm is the Current Technology factory-authorized representative in Mexico.

"Arco stepped up and took the challenge," Abadie said. "We are extremely pleased with the innovative design."

## Critical Piece

Surge suppression was an important part of the facility's electrical design. Triara wanted to protect its computer equipment from damage and the clients from downtime.

"We want every piece of infrastructure to sell this facility's capability to potential clients. That's why we chose

equipment with brand-name recognition wherever we could get it," he said. "When it came to surge suppression, we wanted the finest equipment available."

## Right Fit

Abadie specified two Current Technology Select® SL300 units with MasterMIND® monitoring to protect Triara from electrical surges.

The Select is designed for applications requiring split-second precision, absolute data accuracy and maximum protection from downtime and equipment damage.

The MasterMIND monitoring option provides real-time analysis of the percent of surge protection online and displays the number of surges the system has suppressed.

Each of Triara's numerous power distribution units are protected with a TransGuard® TG100 to protect against internally generated transients. By combining the Select units

at service entrance and TransGuard downstream, Triara qualified for the Current Technology MasterPlan™ protection plan, which extends equipment warranties to 10 years. It also improves voltage clamping, expands distribution system reliability, increases product life expectancy and reduces surge current stress resulting from upstream higher exposure protection.

## Uptime

"Even if zero downtime is only an ideal, we want to get as close to it as possible," Abadie said, "because it doesn't matter if it's the flower shop on the corner or GM Mexico, our customers want 100 percent availability. It is critical that the power piece of Triara's design doesn't give anyone room for doubt." Using the best products in the market place complements the data center's design, said Gerardo Garcia, Arco's commercial manager.

"Arco was pleased to design the data center's electrical infrastructure and offer the best protection available with Current Technology surge suppression," he said.



Two Select® SL 300s protect Triara's service entrance and several TransGuard® TG100s protect downstream equipment.

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