



CONDEA Vista prevents power quality events from impacting 24x7 operations

emPowering Energy

Innova™ STS helps a global chemical manufacturer prevent disruptions to operations from power quality events.



Need

CONDEA Vista Company's Baltimore Chemical plant uses by-products from petroleum refinery operations to produce linear alkylbenzene (LAB) and other specialty chemicals. Because they are a 24 hour a day, 7 days a week continuous processing plant, even the slightest sag, swell or voltage interruption can cause the plant to experience a shutdown. They have been experiencing 12 to 20 events per year with a 12 hour downtime per event.

Solution

A 15 kV class, Innova STS sub-cycle transfer switch was installed by the local utility (Baltimore Gas & Electric - BGE) at CONDEA Vista's plant.

On Monday, February 17th, 1997 a cat got into BGE's distribution system, causing a fault on the normal source of power for CONDEA Vista's plant. As a result of the fault, their normal supply circuit

experienced a drop in voltage to less than 50% of nominal, large enough in magnitude to cause failures in continuous process equipment.

Fortunately, there was an Innova STS protecting the plant. The Innova STS detected the voltage drop and transferred the load to the alternate feeder, which was not affected by the fault, in just over 2 ms, thereby preventing any interruptions to CONDEA Vista or their sensitive process.

Jeff Chucko, Maintenance Manager at the plant stated, "Before we installed the transfer switch, we would experience several events a year. PowerDigm Transfer (Innova STS) has been in service 5 months now without a disturbance to the plant, saving us from experiencing those interruptions."

Success Story Results

Uninterrupted Operation



Before	After
<p>CONDEA Vista Company's Baltimore Chemical plant was experiencing 12 to 20 power quality events per year with a 12 hour downtime per event.</p>	<p>Since the Innova STS was installed, CONDEA Vista Company's Baltimore Chemical plant has not experienced any further power related plant interruptions.</p>

“The Innova STS makes utility events invisible to our daily operations”

- CONDEA Facilities Manager

Notes:

- 1. PowerDigm was later rebranded to Innova STS.



Silicon Power Corporation
Corporate Headquarters
280 Great Valley Parkway
Malvern, PA 19355-1313
+1.610.407.4700