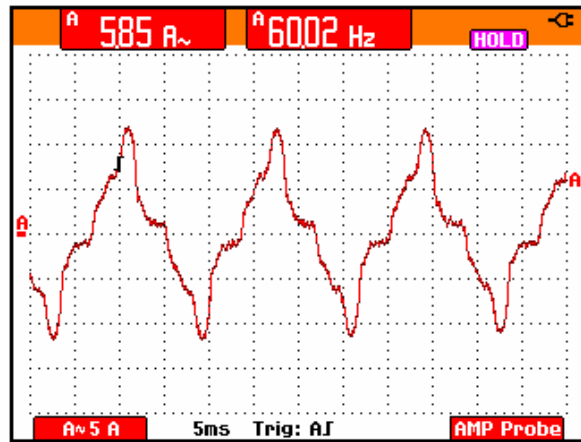
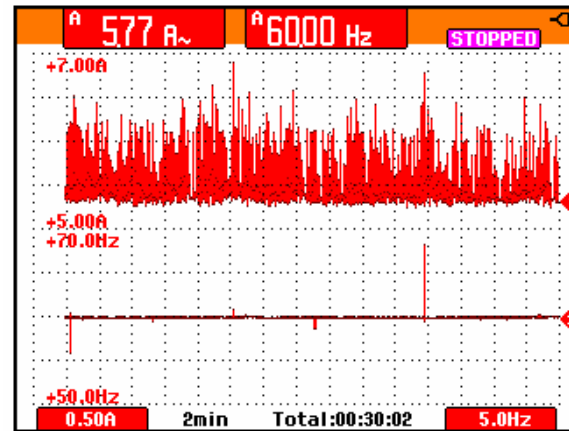


“Mac Victor® Power Network” – Case Study

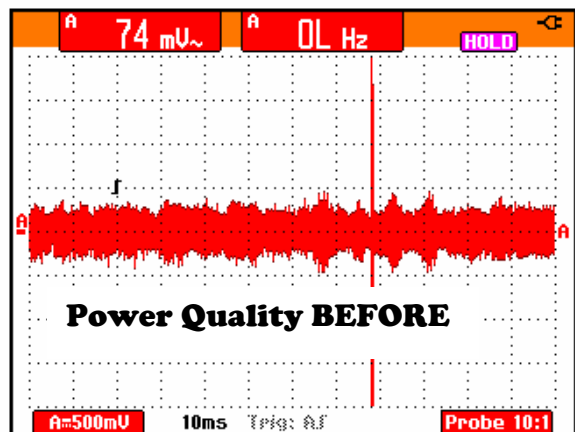
On The Run® C-Store – Dulles, VA (installed September, 2005)



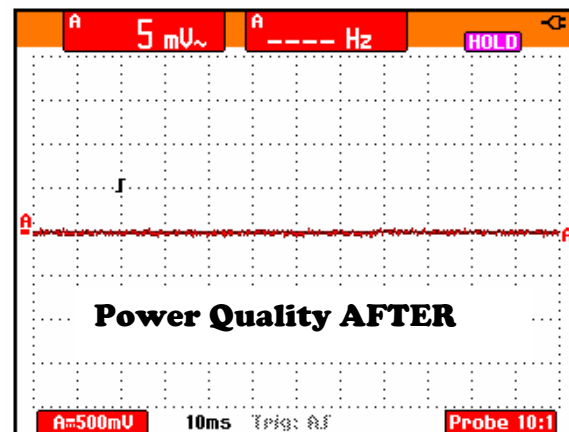
On The Run - Dulles, VA
"Snap shot" view of the steady state amp load (5.85 amps) on the entire P.O.S. system "power network".



On The Run - Dulles, VA
30 minute trend log of intermittent amp load on the entire P.O.S. system "power network". Spikes are printers which never exceeded 6.9 amps total.



On The Run - Dulles, VA
Common Mode voltage (Neutral/Ground)
Point of Sale (POS #1) receptacle
4 Vac peak to peak - actual
0.5 Vac - desirable



On The Run - Dulles, VA after MVPN
Common Mode voltage (Neutral/Ground)
Point of Sale (POS #1) receptacle
0.1 Vac peak to peak - actual
0.5 Vac - desirable

RESULT: Total P.O.S. load = 5.9 amps steady state / 6.9 amps maximum with printers operating. System capacity = 12 amps. (only 49% loaded)

RESULT: P.O.S. System run time during continuous power failure is about 20 minutes. Entire MVPN system has 50% excess load capacity remaining.

RESULT: Power Quality at all P.O.S. network receptacles is excellent.

The oscilloscope used to measure the amp loads on the Mac Victor® Power Network and the quality of power at each critical network IG receptacle was a Fluke 196C Color Scopemeter.

“Mac Victor® Power Network” – Case Study



On The Run® Convenience Store – Dulles, VA

(Copyright of ExxonMobil Corporation)

The “Mac Victor® Power Network” (MVPN) was installed at this facility in September, 2005 to supply a separate and high quality electrical power network for the entire P.O.S. system. This was a retrofit installation located at 44910 Rudder Road in Dulles, VA.

The MVPN provides a unique and hybrid approach to supplying clean and continuous power (battery back up) for all the Critical Electronic Systems in a local network. In this application, the connected Gilbarco Passport P.O.S. equipment and peripherals includes:

- 4 – IBM P.O.S. Terminals, monitors, scanners, printers
- 2 – Gilbarco Universal Distribution Box & Dispenser Hub
- 1 – IBM Credit Card Network Server, router, and hub
- 1 – Dell Back Office Computer, monitor, and hub
- 3 – Electronic Safes; 1 – Car Wash Controller

“Mac Victor® Power Network” – Case Study

On The Run® C-Store – Dulles, VA (installed September, 2005)



Counter POS #3



Counter POS #2



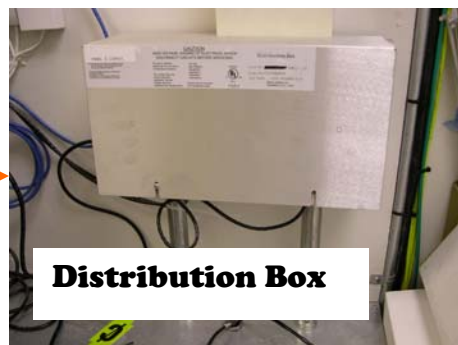
Counter POS #1



Server, monitor, and hub/switch



Food Service POS



Distribution Box



Electronic Safes



Dispenser Hub

P.O.S. equipment on this Mac Victor® Power Network:

- 2 – Back Office PC's, monitor, and hub
- 4 – P.O.S. terminals
- 2 – Distribution box / Dispenser hub
- 3 – Electronic Safes

“Mac Victor® Power Network”



Newly Derived Isolated Ground (NDIG)

This technology eliminates unnecessary breakers and / or electrical panels and the obsolete dedicated isolated circuits for critical networks

Up to four (4) “Power Trunk” wiring runs to all the parallel Isolated Ground (IG) receptacles-

- * Line
- * Neutral
- * Ground
- * Isolated Gnd

Critical Product Benefits

Expand Your Power® with the “Mac Victor® Power Network”

- The “Mac Victor® Power Network” (Patent Pending) is a unique and fully integrated electrical power system for your most critical electronic networks.
- Provides a dedicated, isolated power source for critical electronic networks with the “Newly Derived Isolated Ground” (NDIG) technology for direct wiring to remote Isolated Ground (IG) receptacles and hard wired control panels.
- Provides clean and continuous, single phase, electrical power and minimizes data communication problems associated with the “multiple-phasing” of network power.
- Reduces both operating and maintenance expenses from downtime due to software lockups and hardware failures.
- Increases revenues with continuous system operation during power failures and other power quality disturbances.
- Easy to override with “make before break” bypass technology for emergencies.
- Input and output power pilot lights for status indication and diagnosis.



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THE BOTTOM LINE IS CASH FLOW PRESERVATION