

OPEN SHOP



The Newsletter of Cox Metalworks and Superior Tray

#10 DEC 2013

4MW DATACENTER:

Global relay successfully powers up with Superior Bus.

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VIDEO TOUR:

Exclusive video tour of the manufacturing facility.

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SHORT CIRCUIT TESTING:

Successful 200KA short circuit test of Superior Bus system.

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POWERING GLOBAL RELAY 4 MEGAWATT DATA CENTER

Global Relay successfully powered up their new 4 Megawatt data centre using Superior Bus. Global Relay is a cloud based archiving company who serves 22 of the 25 largest financial banks in the world. They put their confidence in Superior Bus as the power feeder of choice for its low voltage drop and small footprint.

The first phase of 200 rack / 5000 server data centre has been installed, is powered up and running smoothly. This installation was designed to allow for the future phases to be installed having minimal interference with the running phase. Some of the features that allow for this are wall penetrations with pre-installed openings for the future phases where required, the first phase was designed to be closer to the ceiling where possible to keep it out of the



First stage of Superior Bus installed.

way for future installations, and the future phases were modeled in CAD to ensure that there will be sufficient space with no possible interferences.

This data centre was designed for rock solid reliability. Five diesel generators, each with a 1 Megawatt capacity are all connected via

Superior Bus to a UPS system. The centre will be East coast / West coast mirrored for redundancy.

Global Relay is trusted to archive data for some of the world's most powerful companies and largest banks. We are proud to contribute to the reliability of their latest infrastructure expansion.

EXCLUSIVE FACTORY VIDEO

Superior Tray Systems celebrates the launch of our YouTube channel with an exclusive look inside the factory with owner Martin Cox.

We are increasing our online and mobile media presence based on the new ways our customers are looking for information. While we realize not everyone can come for a factory tour in person, we invite them to visit our online channel for a look at how our products are made.

Watch it here:



<http://youtu.be/qvu0q3xtrD0>

YOUTUBE

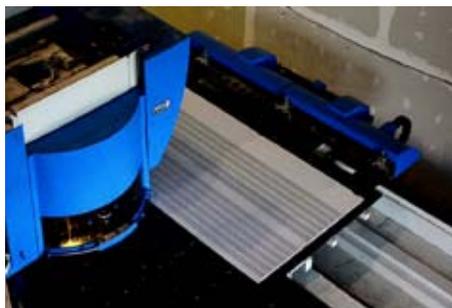
YouTube

http://www.youtube.com/channel/UCr_EV8FUIncaFzbv94evctw

LINKEDIN

LinkedIn

<http://www.linkedin.com/company/superior-tray-inc>



SUPERIOR BUS IN INFRASTRUCTURE EXPANSION

Superior Bus was once again selected for the latest phase of the JAMES Waste Water Treatment Plant upgrade.

When the city of Abbotsford upgraded the capacity of this facility in 2012, Superior Bus was selected for the low voltage power distribution. The Superior Bus system integrated cable bus with precast concrete trenching to provide a turnkey solution for the cable bus runs.

Now again in 2013 the latest phase of the project is nearing completion. Superior Bus was the preferred supplier and we are working closely with the customer to ensure the successful completion of the project.



Superior Bus in precast concrete trench.

Superior Bus was modeled in FEA to calculate heat rise and optimize the system within a concrete trench. Custom fittings were used at building entry points to achieve the required layout. The project is

helping the city meet the demands of its growing population, while improving environmental efficiency. We are pleased to support those goals with a reliable and efficient power distribution system.

200KA SHORT CIRCUIT TEST

Superior Bus has been put to the test – quite literally. In October, we had our system short circuit tested to 200KA.

This type of test verifies the system integrity under fault conditions. A test of this magnitude far exceeds even the highest requirements of any customer application. The system performed flawlessly without any damage over the 12 cycle short circuit.

There are several factors contributing to the success of Superior Bus in this test. The enclosure, support blocks, phase arrangement, and cables all have an effect on the outcome.

In an improperly designed system, the cable insulation could be

damaged, leading to repairs and downtime after a fault. During the test, the Superior Bus support blocks held the cables firmly in place and prevented damage.

We are willing to do whatever it takes to ensure our clients' piece of mind. This test verifies the safety and integrity of Superior Bus even under the most extreme conditions.



200KA short circuit testing.

All of us join in wishing you a happy Holiday Season and a prosperous New Year.

Cox Metalworks and Superior Tray Systems will be open as usual over the holidays, except for the following days:

Dec 24	Closing at 2:30 PM
Dec 25	Closed
Dec 26	Closed
Dec 27	Closed
Jan 1	Closed

CONTACT US:

Cox Metalworks Inc.
#2 13015 84th Avenue,
Surrey, BC V3W 1B3
604.572.4419
www.coxmetalworks.com

Superior Tray Systems Inc.
#2 13015 84th Avenue,
Surrey, BC V3W 1B3
604.572.4419
www.superiortray.com