

SUSTAINABILITY AND THE SEMINAR SERIES

Power Factor Correction – Potential, Pitfalls and Points to Consider

Date: Thursday Oct 28th, 2010
Time: 7pm - 9pm
Location: Lambton College - 1457 London Road, Sarnia, ON
Room: Lambton Inn—Ballroom A
Cost: **Free**

Introduction

Maike Luiken, Ph.D.,

Chair, IEEE London Section, Dean, Applied Research & Sustainable Development

Keynote

**Power Factor Correction –
Potential, Pitfalls and Points to Consider**

Keynote Speaker

Andrew Cooper P.Eng. B.Comm

Q & A—General Discussion

Beverages will be provided

**www.bluewatersustainabilityinitiative.com
www.compassminerals.com / www.siftocanada.com
london.ieee.ca**

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Power Factor Correction – Potential, Pitfalls and Points to Consider

Abstract

Energy is a major, and escalating, cost to industry so energy efficiency improvements are becoming increasingly important. Utility invoices often hide the cost of running at a power factor of less than 0.9, so savings are not initially apparent. Power factor improvement can, however, lead to significant annual savings both with the demand charge and KWh reduction.

The presentation uses the Sifto Goderich Mine power factor correction project as a case study to identify some of the important items, and possible pitfalls, to keep in mind if you are considering a power factor correction project.

Bio

Andrew Cooper is the Senior Mine Electrical Engineer at the Goderich mine of Sifto Canada Corporation, a Compass Minerals Company. The mine is one of the largest salt mines in the world and produced 7.5 million tons of rock salt last year. He spearheads Sifto's energy management initiatives, which look at energy reduction and efficiency projects and is also a member of the Ontario Mining Association Energy Committee.

Originally from Bulawayo in Zimbabwe, Andrew studied Electrical Engineering at the University of Natal in Durban, South Africa. He has a diversified background from working as an engineer in the mining, chrome, steel and petrochemical industries.

Andrew and his wife, Kim, moved to Canada in 2006 and currently live in Goderich. He is an avid runner and enjoys being out on the country roads and trails.

