

Muller Industries Australia



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GRANT HALL'S BLOG

Sustainability steps up a gear

Given the slow pace of change, I have for quite some time believed we have a 'snow flake's chance in hell' of reversing the impact of decades of carbon emissions across the world.

This is probably a bit negative however, as I've never really factored in the business case for smart, green technology. The good news is it's beginning to come clear that leadership is more likely to come from some of the world's top companies who will really accelerate change; and when you look at who and what they're doing, it's obvious the smart money is on 'the green stuff'.

While the technology may not be new, its application and use by top companies to ensure they are seen as good corporate citizens is. The exciting thing is that these large companies are looking to the future, and evolving to meet higher energy prices and tomorrow's demanding consumer who wants to know about the size of your feet!

So often you hear about the cost of going green, the lost jobs of green and so forth, but just take a look at what three of the Fortune 500 are up to:

Walmart is introducing a Sustainability Index for its products – in other words a rating scheme displaying the footprint of the products it stocks. How's that for a game changing statement? When the world's largest retailer wants to take a transparent look at what is on its shelves – to do business with them it's got to be green!

Google is building a smart platform for collecting, managing and analyzing home energy use for everyone on the planet!

General Electric, through its 'ecomagination' initiative is helping to solve the world's biggest environmental challenges while driving profitable growth.

Perhaps monumental change is just around the corner, because it's becoming clear that business as usual won't cut it anymore.

Grant Hall, Managing Director

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LOW AMBIENT SCAVENGING

Conventional thinking for heat rejection from water-cooled chillers or plant has focused on the need for secondary heat rejection to atmosphere, only when the refrigeration plant runs; however Muller Industries has recently received a number of enquiries from designers of new projects looking to use the Muller 3C for Low Ambient Scavenge.

According to Peter Schey, Business Development Manager with Muller Industries, Low Ambient Scavenge rejects heat from the chilled water loop when the heat rejection load is able to be handled solely by the 3C, thus reducing chiller run-times.

"Another variation being used in a number of new projects is where the 3C is used to reject heat in low ambient temperatures outside of normal plant running hours, to lower the entire chilled water loop and a mass water storage tank, thus delaying the need for the chiller to start up immediately when the plant resumes the next day," he says.

With a number of projects employing these concepts now underway, the team at Muller Industries are eagerly anticipating data to demonstrate how large the gains might be.

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MULLER FEATURES IN ECOS MAGAZINE AND INTERNATIONAL BOOK

Muller Industries has received wide publicity over the last few months, including an article in last month's ECOS Magazine, published by the CSIRO. This article explains the benefits of Muller's 3C Cooler technology, and has led to Muller Industries being featured as one of the leading case studies in the forthcoming international publication "Factor 5: Transforming the Global Economy through 80% Improvements in Resource Productivity".

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