

SBE Quarterly Newsletter

June 2009 Edition



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CHRISTOPH BEGERT AND PASSIV HAUS DESIGN

With his newly awarded position as Associate at SBE, Christoph Begert recently delivered a presentation on Residential Design and the Australian Context to delegates of the Passiv Haus Conference in Frankfurt, Germany.



Passiv Haus design aims to achieve superior comfort while minimising energy use. The concept was developed more than 20 years ago and is today an important residential building performance benchmark in Europe, where governments often mandate this standard for new developments. A thematic emphasis of this year's Passiv Haus conference was on how the concept can be applied in warmer climates. Chris's research demonstrated how the Passiv Haus design principles could be adapted to suit the volatile Victorian climate.

To find out more visit the Passiv Haus Institute

<http://www.passiv.de/>

A summary of the conference can be found here

http://www.passivhaustagung.de/dreizehnte/english/index_eng.html

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STEVE MOLLER A FINALIST IN THE FMA AUSTRALIA AND TRANSFIELD SERVICES ENVIRONMENTAL ACHIEVEMENT AWARD

SBE's ESD Engineering Team Leader, Steve Moller, was nominated as a finalist in the FMA Australia and Transfield Services Environmental Achievement Award, presented at the recent Ideaction 2009 conference in Melbourne.

The nomination was based on Steve's work developing two resources to assist Facility Managers to improve environmental sustainability in the buildings that they manage.



1. Greening Your Building, A Toolkit for Improving Asset Performance. Steve was the key author of this document, produced for the City of Melbourne and available to download

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- [here](#). Steve acknowledges the significant input of Nicki Taylor, also of SBE and the financial support of the City of Melbourne.
2. Your Building - Facilities management and maintenance for sustainable commercial buildings. This module is available [on-line at](#). Steve was the lead author for this module which forms a part of the Your Building web-site. Steve acknowledges the significant input of Danielle McCartney of SBE and Bryon Price of A.G. Coombs and the financial support of the CRC for Construction Innovation.

SUSTAINABLE MASTER PLANNING

Danielle McCartney presented a Professional Development Seminar at DesignBuild at the Convention and Exhibition Centre on the 23rd May at Darling Harbour in Sydney. She spoke on sustainable master planning, in particular the transition from urban sprawl to sustainable urban villages and what our suburbs of the future will look like. Danielle spoke about innovative sustainable community development strategies, such as integrated mass transport systems, district infrastructure systems, community engagement and innovative planning, design and technology. She also outlined best practice examples in Australia and exemplar developments overseas.



SBE PROJECT WINS THE VICURBAN DOCKLANDS ESD AWARD OF EXCELLENCE

Currently under construction, the first Costco store in Australia has received the VicUrban Docklands ESD Award of Excellence. SBE's work on this project enabled a wide range of water, energy and waste reduction strategies coupled with improved indoor environment quality and materials. In particular, Costco has a unique low energy lighting system that makes use of an array of skylights on the roof and light fittings controlled by photoelectric sensors. We look forward to its opening later this year.



MORE CAPABILITIES IN SBE'S MIX

We're continuing to develop our scope of capabilities, and in doing so announce Jane Toner as a LEED Accredited Professional. As a US-based standard, LEED is often the preferred tool for building and construction initiatives in the international arena. SBE has already provided ESD advice to projects in Indonesia, Hong Kong, China, India and Thailand using HK-BEAM, Green Globe and other local standards. Now, with LEED AP status, SBE is looking forward to further increasing its international presence.



Adding to our cache of expertise, we also proudly announce our most recent Green Star Accredited Professional, Pratik Shah, who completed his examinations in March of this year.

NORTHBANK AND LINFOX ACHIEVE GREEN STAR RATING

SBE is pleased to announce that two more of its projects have achieved 5 Star Green Star Office Design status.

The Northbank Place building's proximity to the Yarra River led to a focus on stormwater quality and water consumption, with the site achieving 100% on-site stormwater treatment and reuse and the installation of Enviropoles around the site to reduce the



impact of cigarette butts on the river. Other achievements are a 5 star NABERS base building rating, high levels of acoustic treatment and glare control due to the sites challenging location and the inclusion of arts incubators in a significant proportion of the ground floor.

The Linfox Group Head Office was opened by Kevin Rudd on 1 May. The building's 5 Star GreenStar rating is part of Linfox's strategy to reduce its rate of carbon emissions by 15 per cent by 2010. The building has been designed to achieve a 5 star NABERS base building rating and also includes strategies to optimise water and waste recycling. Low energy lighting is controlled by movement sensors and the rainwater tank waters the garden and supplies toilet flushing.

HOT OFF THE PRESS

We are pleased to announce that [Alila Villas Uluwatu](#) has achieved Certification as a Green Globe Best Practice Building and Design (BPDS) development. Green Globe is the only global benchmarking and certification



program for Travel and Tourism. It was established by the World Travel and Tourism Council in 1993 to recognise and promote sustainable travel and tourism based on Agenda 21 principles of sustainability. SBE has

worked with the project team since sketch design phase to achieve this outcome.

Stay tuned for more details of this innovative development in our next newsletter.

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