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The TecEco Times *Printed in cyberspace on recycled electrons*

Keeping you informed about the eco-cement project. Issue 14 1 September 2001

Favourable Appraisals Now Received

The eco-cement system has been endorsed by leading scientists around the world and has enormous medium and long term potential.

Favourable appraisals have now been received from Prof F Glasser (Aberdeen, UK) and CSIRO dbce (Melbourne, Australia).

Prof Fred Glasser, in his appraisal has this to say about the economics of eco-cements.

“There can be little doubt that where suitable resources exist locally, so as to minimise transport costs – especially land transport – MgO based cements could have a significant economic benefit.”

And in relation to technical proof of concept:

“With the limited resources at their disposal, TecEco have demonstrated that products are:

- Simple and flexible in terms of formulation.
- Have adequate fluidity and workability time prior to set.
- Develop adequate compressive strengths as a function of time.
- Not affected by common aggressive environments and indeed, may be improved as a consequence of reaction with atmospheric carbon dioxide.
- Ecologically more satisfactory than Portland cement.
- A technological product capable of being implemented under typical industrial conditions, using methods and equipment borrowed from operations which normally use Portland cement.
- Compatible with typical mineral aggregates, fibres and steel.”

Dr Kwesi Sagoe-Crentsil from CSIRO, building construction and engineering, Melbourne said in their second paragraph. “the scientific concepts for developing a new generation of binders, as outlined in the document, appear to be sound for a range of construction applications. The theoretical basis of the proposed eco-cement is logical and the economic and environmental benefits appear excellent.”

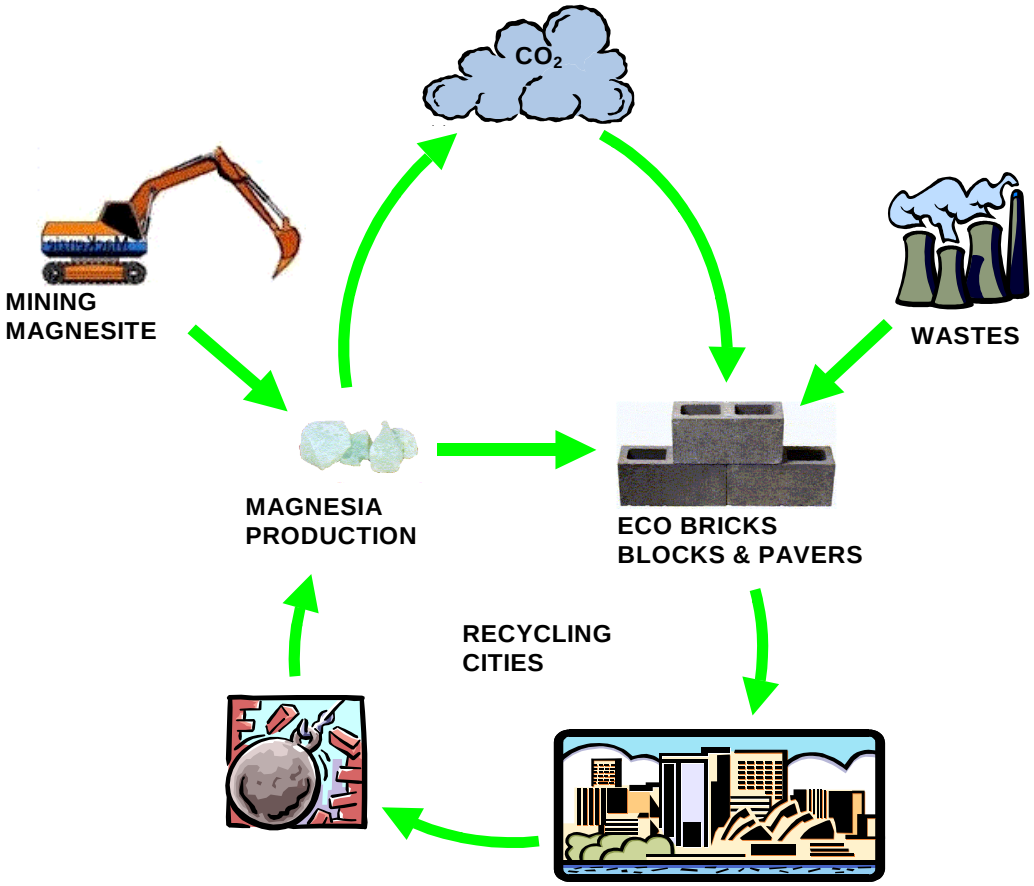
Seriously interested readers are invited to obtain the full text as the above comments should not be read in isolation. Unfortunately the size of the TecEco Times precludes more detail. Copies are available from our web site, or by emailing us at john.harrison@tececo.com.au

Eco-Cements for the Built Environment of the Future

Last newsletter we gave some gloomy statistics about global demography.

To summarize we said that the earth must support an additional billion people every ten years, over 94% of whom live in the urban environment. With sustainable development cities could support large numbers of people with limited impact on the natural environment.

TECECO – RECYCLING CITES WITH ECO-CEMENT



Help required

TecEco are meeting the challenge of making cities more sustainable but we need all the help we can get.

We need friends - There is nothing like moral support when the going is tough. If you are a leader in a relevant field of endeavour then please write to us and give us your support.

We need money - Research cost – if you have any fund raising ideas then please contact us.

Web Page

We have our old web page up and running and very soon, thanks to my twelve year old son JJ, we will have our new page uploaded. In the meantime if you are having any trouble contact us on tececo@our.net.au.

Focusing Owners of Magnesite Deposits

It looks like AMC Ltd. will be the first to establish magnesium metal production in Australia. Last week we were given a favourable reception by one of the many players owning magnesite reserves in Australia. Hopefully the others will now realize that we are a white knight for them.

Statistics

We are having a lot of trouble obtaining global statistics. This is a long and arduous process – anybody out there with a handle on global clay brick production, block production fly ash and other wastes etc. – please contact us and swamp us with numbers!

Thanks for your time – John Harrison