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# The TecEco Newsletter

Keeping you informed about the eco-cement project.

Issue 10

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## Yet another milestone!

### *Final Patent Lodged at Last*

We are a bit late with this newsletter. The fact is we have been hard at work trying to get together our final patent specification. We lodged it with about 20 minutes to spare. We are going for a global patent and that means we have to start raising a lot of money. PMT applications are however easier than applying for patents in individual countries.

### *What we are Claiming a Patent For*

We have made a cement predominantly from reactive magnesia that can be blended with most other hydraulic cements including Portland cement. We have also developed a proprietary accelerator for the cement that significantly speeds up setting times.

The important features of the new cement include much lower greenhouse gas emissions, the use of wastes, good stability and resistance to weathering as well as resistance to sulphates and other salts that attack Portland cement. Given economies of scale, because of lower mining, slaking and processing costs, the cement should also be much cheaper.

### *Welcome to New Team Members*

Welcome to Ken Farrell ex the Premier's department. Ken has a wealth of experience in dealing with bureaucrats to offer. Ken will be concentrating on corporate development and can be contacted at [szoka@our.net.au](mailto:szoka@our.net.au).

Also joining the team is Bill Fawdry from Island block and paver who can be contacted at [wfawdry@islandblock-paving.com.au](mailto:wfawdry@islandblock-paving.com.au). Bill has been in the concrete block making industry for over 20 years and has recently travelled to China and knows just what potential our product has in Asia. Bill's specific role will be to make blocks using the new cement.

### *Media Watch*

The heading in the local paper on Tuesday 30<sup>th</sup> January said "Three Billion Reasons to get Clever." The Mercury were of course referring to the new support for science and innovation. Isn't it great! - Couldn't have happened with better timing for us.

I remember my last editorial when a headline said "When will pragmatism STOP and be replaced by common sense? (Or is it about time dry economics dried up.)" At last the government are starting to realise the tremendous multiplier effect of research and development and supporting science a little more. We are trying to put together a research and development plan that will have a budget of around \$ 1,000,000 and need as participants strategic alliances, who will either get a licence, shares or both for their involvement.

## ***Where are we Going?***

Apart from raising money etc. our next goal is to achieve a measure of scientific credibility and from this greater business credibility. To do this we will be talking to selected scientists of world renown who have offered to have a look at our specification.

Thanks to a world icon in cement chemistry, Frederick P Glasser from the University of Aberdeen and Mary Gani ex Professor of Chemistry at Monash who have both offered to make comment on our discoveries, we will make a flying start. We need more friends however. If you are a cement or concrete expert or know one, please consider how you or your associate could assist. The world is a big place and we now want to tell all that reside in it about our new cement. What better place is there to start than with informed thinkers such as our scientists and engineers.

## ***A New Direction for Tasmania***

**Green, clean and clever** – that should be and is becoming the new slogan for Tasmania. We are trying hard to put the concept of supporting sustainable technologies across to the government and the University of Tasmania. With support for sustainable technologies Tasmania could lead the world. We think that in contrast money spent on the IT industry is too late to make any meaningful impact.

Hydro Tasmania are promoting the clean generation of electricity and are planning the largest windmill farm in the southern hemisphere. We already have rapidly growing sustainable aquaculture and forestry industries. Let's face it – sustainable industries are already the jewel in Tasmania's crown, we just have to recognise and then promote the fact.

## ***Forum***

To help us launch our new technology we are planning a sustainable technologies forum for Tasmania. Whether or not this comes off is still in the setting stage. Any ideas out there?

## ***Focusing Academics***

Whole university departments these days tend to have specialisations in order to focus their resources and gain recognition and through recognition students and through students, funding.

Funding for sustainable technologies will only increase in the future. Given that TecEco is a Tasmanian company with a great sustainable technology, the hope is that universities recognise this direction and focus research in it generally as well as specifically on our technology.

There are many directions we could take. The earth has abundant energy – we have just taken the easy route and dig or suck it up. TecEco predict it will not be many years before oil companies drill holes not for oil but to tap heat in thin areas of the earth's crust. TecEco would like to do research on this and on other natural cements that bind sediments together.

We are trying to sow as a seed the concept of specialising in sustainable technologies to the university and with appropriate government departments.

## ***Web Page***

We hope to go electronic soon and publish our newsletter on the web. About a month and our web site should be up and running. Look out for [tececo.com.au](http://tececo.com.au) and [ecocement.com](http://ecocement.com).

We welcome feedback and any help anybody has to offer to please contact me at [tececo@one.net.au](mailto:tececo@one.net.au) – please don't send me any viruses however – two in the last few months has been a bit much.