

EGOWS® Oil-Water Separation

Business Opportunity

Regulatory requirements for release of oily water to the environment are becoming stricter worldwide. A limit of 10 parts per million Oil & Grease is common and in some situations the required limit is 'no visible sheen' on the water receiving the contaminated oil-water.

A new Extended Gravity Oil-Water Separator (EGOWS®) removes oil down to below 10 parts per million. The EGOWS® success is in its ability to take episodic inflows of oily water and extend the time the oily water mixture spends in a separator tank. The EGOWS® is simple to implement, cost effective and industrially robust. It requires no power, has no moving parts and is virtually maintenance free.

The EGOWS® can be used in new installations and can also be applied as a retrofit to existing API separator sites.

The Market

The main users of the EGOWS® have predominately been the electricity power industry but, because of the simplicity and the effectiveness of the technology, EGOWS® are also finding applications for protection against catastrophic oil spills and oily water runoff on industrial sites, oil refineries, road/sea/air terminals and highways.

Competitive technologies have relative high operating and maintenance costs and are unable to capture a major oil spill completely.

The market for EGOWS® installations is growing as interest in the protection of the environment grows and there is increasing concern with the severity of penalties for breaches of environmental regulations.



EGOWS Installation at Kurnell Oil Refinery, Sydney

Note: EGOWS is worldwide registered trademark

The Technology

The EGOWS® technology has 2 patents. After extensive searches and due diligence both have reached National phase and entry was in April 1998 to: Australia, USA, Europe, Korea, New Zealand, Malaysia & Philippines. Patents have been granted for Australia, USA, Europe and Philippines with most major countries being designated in Europe.

The Management/Scientific Team

The EGOWS® IP is owned by NewSouth Innovations Pty Ltd (NSi) and the inventors are David Tolmie and Peter Stone from the Water Research Laboratory of the University of New South Wales School of Civil and Environmental Engineering. Both NSI and the inventors have had considerable industry and consulting experience and are well placed to commercialise and support the EGOWS® technology.

The inventors received a high commendation award from the Institution of Engineers, Australia for the innovative EGOWS® system.

Investment Opportunity

As the Australian industry becomes more aware of the consequences of breaches to environmental laws in the area of oil-water separation and environmental regulators are also aware that technology exists which enables industry to comply with tighter environmental regulations so has the number of EGOWS® installation increased. There are over 70 EGOWS® installations in Australia and the EGOWS® invention is now being commercialised overseas. The commercialisation plan is to build on the success of EGOWS® in Australia and market EGOWS® technology in the US and Europe.

NSi would like to speak with companies interested in either licensing the EGOWS® technology or becoming an agent for a particular country or territory.

Any interested companies would gain the benefit of the considerable wealth of technical and market knowledge collected by the inventors over several years and depending upon their level of expertise would be able to grow a value-add business across many areas of industry.

Further Information:

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