



Sunho Biodiesel Corporation

10F-6 380 Linsen N. Rd., Taipei

Taiwan 104, R.O.C.

Tel: (02)2563-2720 Fax: (02)2543-1603

E-mail : info@sunhobiodiesel.com

November 4, 2010

FOR IMMEDIATE RELEASE

Can Biodiesel Ever Cost Less than Diesel?

Sunho Biodiesel Corporation provides an enzyme process for low-cost biodiesel production

Taipei—A complete enzymatic process has been successfully developed by Sunho Biodiesel Corporation for biodiesel production. The cost of biodiesel resulting from this technology is effectively lower than that of diesel.

Currently, biodiesel as a commodity is priced higher than diesel, making it less attractive to consumers. However, when there is no need to pre-treat the free fatty acids in the oil source, when glycerol is co-produced neat and becomes a profitable product, and when the reaction is operated at room temperature and pressure, biodiesel becomes more affordable than diesel. This is even more so if the oil source price is lower than that of crude palm oil, which describes a majority of the types of available feedstocks in the market. This is made possible through Sunho's Enzymatic Transesterification Process or the ET Process.

In the past, although it was well-known in the biofuel industry that the enzymatic process is better than the chemical process by the fact that it is greener and results to a greater purity for the glycerol co-product, people have been led to believe that enzymes are expensive and have short lifespans. This is further compounded by the overwhelming amount of journal papers that have overlooked the negative effects of the second liquid phase that forms during the reaction. This explains why, to date, enzymes have rarely been used for actual commercial plants. Beyond lab-scale experiments, it seemed that enzymes only added to the already high cost of production for biodiesel. By understanding and overcoming these pitfalls, the Sunho ET Process has combined the benefits of a rapid enzymatic process and a biocatalyst with a long lifespan.

Among the features of the plant is its ability to produce nearly 100% biodiesel and pharma-grade glycerine within 30 minutes. Sunho holds international patents to this technology and is opening its doors to interested parties for the establishment of demonstration and training centers worldwide. This technology could revolutionize not only the techniques currently used for biodiesel production but also consumer behavior towards renewable energy. Because biodiesel requires few or no adjustments for use on vehicles running on diesel, it is easily accessible to anyone looking for a greener and cheaper alternative. Ultimately, Sunho envisions a world that can be more responsible for its future using a technology that can now be within its reach.

Sunho Biodiesel Corporation is an R&D-based company that was established in 2004 but has been rooted in the industry since 1987. It has always been committed to the promotion of biodiesel as a means of sustainable energy. Aside from larger-scale plants, mini-units can also be constructed as well as other plants that are related to biodiesel production, such as oil degumming plants, provitamin A and vitamin E isolation plants, and oil extraction plants. These can be constructed in Taiwan or at the target location. The company is open to interested parties for profit-oriented joint ventures or private-public partnerships. To know more, visit www.sunhobiodiesel.com.

###

Contact:

Sunho Biodiesel Corporation
10F-6 380 Linsen North Rd.
Taipei, 104 Taiwan
Telefax: 886-2-25431603
Mondays-Fridays (8 am – 5:30 pm)
E-mail: info@sunhobiodiesel.com