

Introducing Orbo

*a new way of looking at magnetic interactions
in asymmetric systems*

Agenda of the Presentation

- Steorn :
 - Who are we and what is Orbo?

- The Principle of the Conservation of Energy :
 - History of CoE
 - The math behind CoE
 - CoE under the Microscope

- Insight into Magnetism :
 - MH Curve
 - Types of magnetic materials

- Orbo – Principal of Operation :
 - Asymmetry and magnetic interactions

- Orbo – What is next in its development?
 - Where are we now?
 - Where are we going?



Abstract of the Presentation

The presentation is on the topic of "conservation of energy and specifically our claims with respect to energy in asymmetric magnetic systems"

This platform technology is called "Orbo"

<http://www.steorn.com/orbo/>

(please note that a new website will be released end of January)

The purpose of the presentation is to provide an insight into the principle theory and possible applications of the technology and is designed only to inform and stimulate student engineering and research understanding and interest.



Brief Company Introduction

Steorn is a privately held company based in Dublin, Ireland.

Steorn was founded in 2000 by a team with significant international experience in successfully building global technology centered businesses. The management team of Steorn has many years experience in the supply of technology into the energy market.



Currently Steorn has currently a total of 22 employees, who share an excellent educational record, with a total of 15 Degrees and 8 Masters distributed across the group.

Steorn embarked on its current technology development, called Orbo, in 2003 after many years of research by the company's founders.

Steorn's Technology Development Portfolio

Since its foundation Steorn has worked on projects for both blue chip and new technology start-ups. As well as offering project and technology management to such companies as Bank of Ireland and Fyffes, it has driven the development of technology products such as the **DiscMatch** counterfeit CD detection system for Microsoft and **CardSafe**, an anti-counterfeiting technology for the credit card market.



From 2004 Steorn has concentrated on the development of a platform technology called **Orbo**, which is a technology derived from unique asymmetric magnetic configurations.

Orbo Environment Product Developments :

- USB Hall Probes
- Magnetic Torque Measurement System

Current Orbo Development Projects :

- Non-Contact Torque Sensor
- MH Measurement System
- Magnetic Field Propagation System
- Atomic Magnetic Simulator



Docklands Innovation Park East Wall Road Dublin 3 Republic of Ireland

Brief Bio for Speaker

Sean McCarthy – Steorn Chief Executive Officer

B.Sc of Engineering – Dublin Institute of Technology

Sean has twenty years experience in selling and delivering large-scale technology solutions to global corporate clients. Eleven years were spent with industrial giant ABB in its technology segment.

During this time Sean was based in Ireland, UK, Ohio, Bahrain and Texas.



Sean McCarthy
CEO of Steorn Ltd.

Further Information

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