



Clean Technology Development in the

GREEN ISLAND

Ireland has a worldwide reputation as a successful location for Foreign Direct Investment (FDI). Almost 1,000 multinational corporations, in sectors including Life Sciences, ICT (Information Communication Technologies), Engineering and Financial Services, have chosen Ireland as their strategic European location.

Ireland is now emerging as a significant location for investors in the exciting and rapidly developing Clean Technology sector

Our unique location on smart grids and European Clean Tech business management is a major advantage, particularly for wind and ocean energy. This natural advantage is backed by a talented skilled workforce, a thriving research and development environment, and pro-business government policies

"We have such energy natural resources that could make us the Saudi Arabia of ocean & wind energy"

Eamon Ryan

Minister for Energy & Natural Resources



become leaders not followers

The Irish Government views the potential of the green enterprise sector as central to the development of the smart economy and has designated it as one of Ireland's target sectors for investment and job creation. The rapid increase in the demand for "green" goods and services has continued even in the midst of the current global recession. The demand for change is clear.

Ireland can be the engine of this change. We have the natural resources, the talent and the Government commitment necessary to become a hub for green enterprise. The sector already provides strong employment and export opportunities. It is our goal to build on that potential, attract further investment from the leading overseas companies, further grow our indigenous base, and ensure that it becomes an engine for future job creation and economic growth.

Ireland's active plan to become a major player in Clean Technology is underpinned by its research and manufacturing expertise in Information Communication Technologies (ICT), Engineering, Software and Sensor Development. Utilising its embedded high value manufacturing skills Ireland is well positioned to capture a significant share of the enabling technologies to support the infrastructure of this growing sector – many of the world's leading companies have a presence in Ireland.



ENERGY POTENTIAL

Due to its strategic location between Europe and the Atlantic Ocean, Ireland has an abundance of natural renewable resources. Coupled with grid access to the UK and Europe, this puts Ireland in the ideal situation to become a leader in the Clean Energy industry.

GOVERNMENT COMMITMENT

The Irish Government is firmly committed to developing the Clean Technology industry and positioning Ireland to become a world leader in this rapidly-growing sector. Clear policy targets have been set: 40% of all electricity generated from renewable sources by 2020, a 20% saving on current energy costs by 2020 and a penetration rate of 10% for electric vehicles by 2020.

BUSINESS EXPERTISE

Ireland's experience across the sectors of ICT, Engineering, Life Sciences and Services and the high level of academic and SME engagement with the leading companies located here will be a key driver in the development of a strong Clean Technology industry in Ireland.

RESEARCH

Ireland boasts a number of world class research centres operating in the Clean Technology sector ranging from integration of renewable onto grid to sensor research and from optimised building systems to solar.



“Taking advantage of Ireland’s agility, as well as Europe’s commitment to ‘clean’ technology, we intend to demonstrate emerging technologies on a scale ranging from individual buildings to district-wide applications.”

Dr. David Parekh

UTC Vice President, Research, and Director,
United Technologies Research Center (UTRC).



EXAMPLES OF EXPERTISE IN IRELAND



- Established 1978
- NTR plc builds and runs green energy and resource-sustaining businesses.
- Stirling Energy Systems in conjunction with sister company Tessera Solar produces the sterling engine powered SunCatcher concentrating solar system.
- Green Plains Renewable Energy is a vertically-integrated, low-cost ethanol producer and an emerging leader within the biofuels industry.



- Established 2008
- Development, construction and operation of wind, solar thermal and ocean current plants
- Have been awarded a contract to develop 4GW of wind farms by 2020 as part of UK's Crown Estate Round 3 offshore wind farm programme



March 2010

- Establishment of IBM's first Smarter Cities Technology Centre in Dublin where IBM will build a highly skilled and cross-disciplinary team to help cities around the world better understand, interconnect and manage their core operational systems such as transport, communication, water and energy.
- The Smarter Cities Technology Centre will create 200 new roles with an investment of up to €66 million over the next three years
- Dublin City will collaborate with IBM as a 'Test bed', positioning Dublin as a smarter city, embracing technology to stimulate economic activity and meeting the challenges of a globally competitive city for the future.



April 2010

- United Technologies Corporation is to establish a unique research centre in Ireland creating 37 new jobs over the next four years through a 15m investment.
- The research agenda is based on two main themes - energy & security systems.
- UTRC are taking advantage of Ireland's agility and commitment to 'clean' technology to demonstrate emerging technologies at scale
- UTC also announced that it will become the founding member of the International Energy Research Centre (IERC).
- The state funded IERC will create 50 research positions and will work with leading Irish, European and international researchers working in the area of sustainable energy systems.

THE IRISH ADVANTAGE

Ireland's success is based on the unique combination of benefits we offer to global business:

- Stable political environment and respected regulatory regime
- Pro-business culture with a 12.5% corporate taxation rate, taxation credits for RD &I activities and an extensive double taxation treaty network with 46 countries
- Robust legal structure for the exploitation and protection of intellectual property rights
- Excellent research environment with highly productive alliances between industry and academia
- High-skilled, knowledge based economy delivering highly productive employees
- with excellent technical, language, managerial and customer service capabilities
- Location for clusters of global leaders in key high-tech industries including Life Sciences and ICT
- Experienced and innovative leaders focused on proactively identifying and solving business challenges, with a proven ability to build close working relationships with global senior management
- Proximity to EU customer and revenue base
- Strong cultural integration with US multinational management practices
- Reputation for flexibility, responsiveness and innovation

IDA IRELAND

IDA Ireland is Ireland's inward investment promotion agency. The agency works with foreign companies to secure investment and collaborates with existing foreign investors in Ireland to help expand and develop their business. Key areas of focus are High Value manufacturing Operations, Global Business Service Centres and RD&I operations in Ireland.

For companies active in Energy and Environmental Technologies or considering expansion of their activities into this area, IDA Ireland offers information, advice and support on all aspects of the industry in Ireland.



IDA CLEAN TECHNOLOGY DEPARTMENT

Manager

George Bennett
Tel: +353 1 603 4263

Project Manager

Ray Bowe
Tel: +353 1 603 4252

Project Manager

Shay Power
Tel: +353 1 603 4237

IDA OFFICES WORLDWIDE

Europe

Ireland (Head Office)
Tel: +353 1 603 4000

France

Tel: +33 (0) 1 43 12 91 80

Germany

Tel: +49 (0)69 70 60 99 0

United Kingdom

Tel: +44 (0) 20 7379 9728

USA

New York
Tel: +1 212 750 4300

Boston

Tel: +1 617 357 4190

California North

Tel: +1 650 967 9903

California South

Tel: +1 949 748 3547

Chicago

Tel: +1 312 236 0222

Atlanta

Tel: +1 404 816 7096

South America

Brazil
Tel: +55 11 4992 1812

Asia-Pacific

India
Tel: +91 98201 60408

Japan

Tel: +81 3 3262 7621

Australia

Tel: +61 (0)2 9273 8524

China

Tel: +86 21 6279 8500

Korea

Tel: +82 2 755 4767/8

Taiwan

Tel: +886 2 2552 6101

To learn more, log on to

www.idaireland.com

