



eastwest interconnector



Benefits of the East West Interconnector

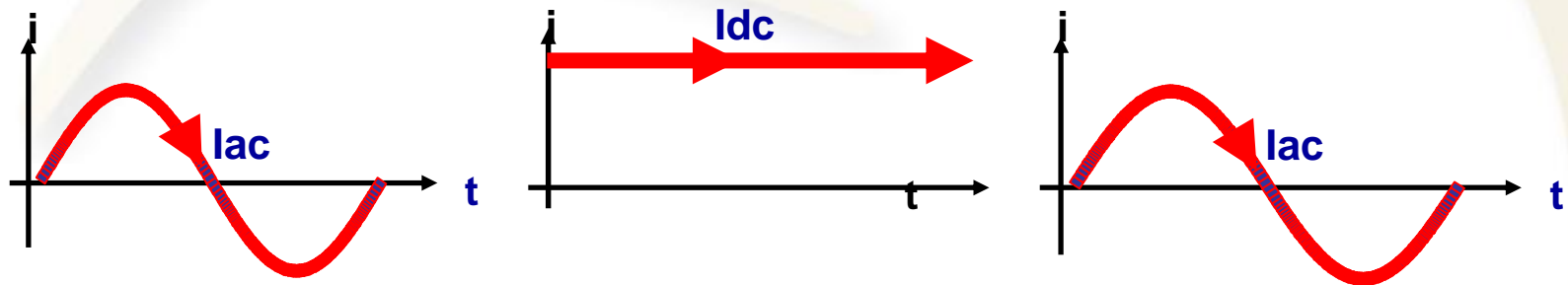
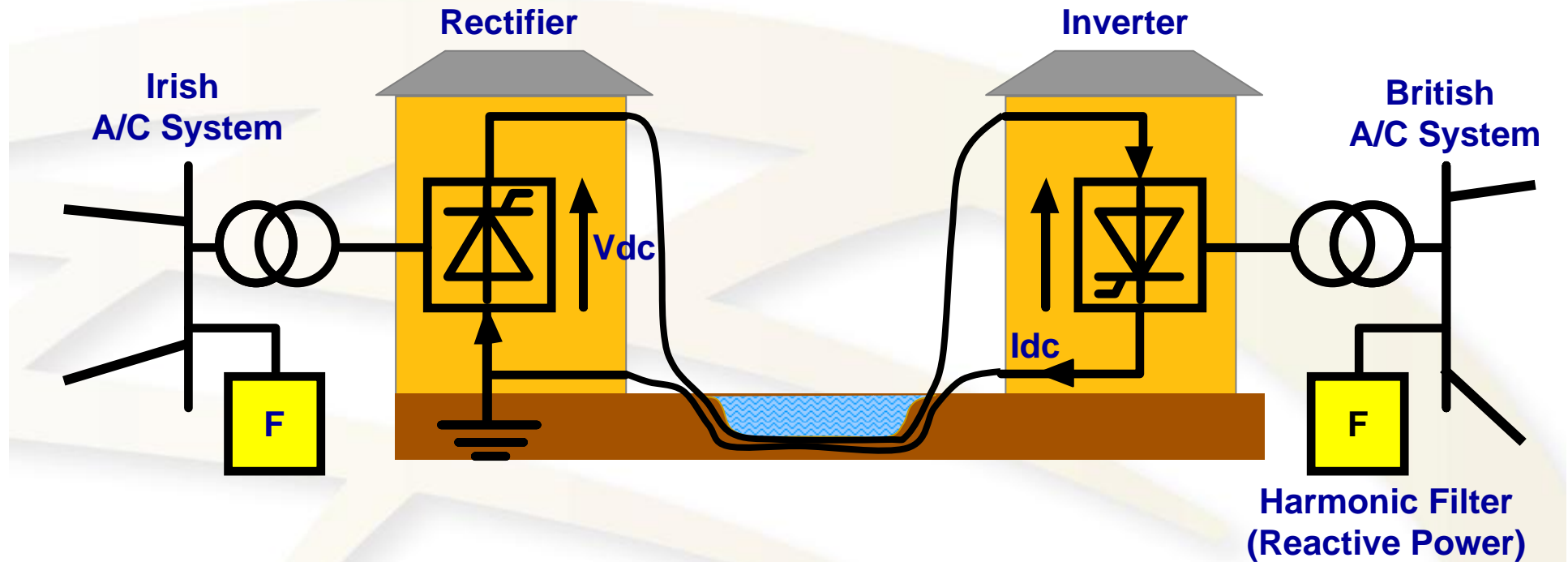
- Link Ireland to larger system in UK and Europe
- Deliver increased security of electricity supply
- Promote competition in the electricity market
- Encourage growth of renewable energy



Project Overview

- Key Strategic Project
 - Priority Interconnector Project - DG TREN January 2007
 - ‘..Critical National Strategic Importance..’ – NDP 2007-2013
- Project Parameters
 - High Voltage Direct Current (HVDC)
 - 500MW with potential expandability
 - 180km Subsea, 80km Land Route + 2 Converter stations
- HVDC Technology
 - Well established method for interconnection
 - Two types of technology available:
 - Line Commutated Conversion (LCC)
 - Voltage Sourced Conversion (VSC)

HVDC Transmission Point to Point with Submarine Cable



Approach to Competition for Main Contracts

- Competition Design by EirGrid (with PWC)
 - Approved by CER
 - Design and Build (EPC)
 - Preference for Turnkey
- Demand for HVDC buoyant – particularly cables Market
- Create competitive tension
 - Lots approach
 - Considered newer technologies as well
- Contract award necessary to secure cable manufacturing slots
- Full Notice To Proceed post receipt of planning and consents
- ABB Lot 3 proposal emerged as the most economically advantageous
- Contract Awarded in Q1 2009 to ABB

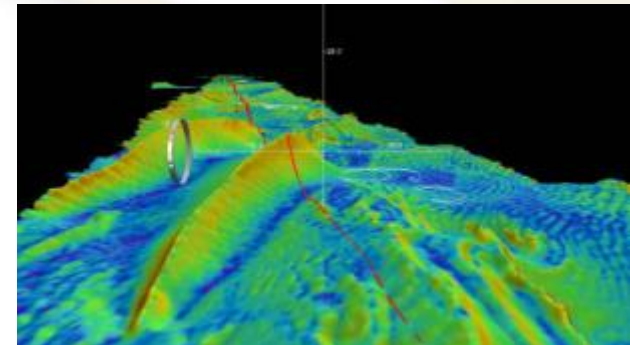


HVDC Converter Station



Planning Processes / Environmental

- Integrated route selection
- Committed to end to end Environmental Reporting in 2007
- Multi-jurisdictional
 - Differing planning legislation in Britain + Ireland
 - Foreshore Licensing required on both sides
- Consultation with statutory bodies since 2007
- Planning applications to:
 - Strategic Infrastructure Division ABP
 - Flintshire County Council in Wales for converter station



Marine Survey



Milestones and Progress

- 1. Project Scoping and Planning** Q1 2007
- 2. Integrated Route Selection** Q3 2007
- 3. Competition Design Completed** Q3 2007
- 4. Grid Connection Points secured** Q3 2007
- 5. Invitation to Tender issued** Q4 2007
- 6. Marine Survey completed** Q2 2008
- 7. Enactment of EirGrid Act** Q3 2008
- 8. Receipt of Tenders** Q3 2008
- 9. Government Approval / Contract Award** Q1 2009
- 10. Planning Permissions Granted in Britain & Ireland** Q3 2009
- 11. European Investment Bank funding secured** Q3 2009

Project Plan

ID	Task Name	2009				2010				2011				2012			
		Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	
1	EWIC Milestone Delivery Sche																
2	Limited Notice to Proceed					■											
3	Final Notice to Proceed						■										
4	Cable Manufacturing Period							■									
5	Installation of Land Cables Completio														■		
6	Conceptual Designs, mechanical and							■									
7	Start of Civil Works									■							
8	Land Cable Factory Acceptance Test:										■						
9	Civil Construction Ireland Converter S									■							
10	Civil Construction Wales Converter St									■							
11	Installation Ireland Converter Station									■							
12	Installation Wales Converter Station											■					
13	After Installation Test Complete															■	
14	Taking Over Certificate Issued															■	

Next Steps

- Secure competitive funding of €601m for Project
- Secure necessary permits and way leaves
- Full Notice to Proceed
- Site Enabling works
- Contract/Cost Management is paramount



A 3D architectural rendering of a modern interior space. The scene features a curved wall on the right side, composed of several vertical panels. In the center, there is a star-shaped table with five legs, each ending in a small, dark, rounded tip. The table is surrounded by four square tables, each with a white top and a light-colored frame. The lighting is soft and even, creating a clean and minimalist aesthetic. The overall color palette is neutral, with light beige and white tones.

Thank you