Implementation of the EED in the EU

A Presentation to the:
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Context & Opportunity

Stability, Jobs and Growth
Irish Presidency Focus as Response to Economic and Financial Crisis

European Commission Roadmaps
Energy Roadmap 2050, Low-Carbon Economy 2050, Resource Efficiency 2050

Energy Efficiency Directive
A Directive for Growth and Jobs!
Most Advanced Regional Legislation in the World
EU Buildings Sector

Scale of the Opportunity
210 Million Buildings; Area of Occupied Space Equivalent to Size of Belgium; 90% Still Used in 2050

Impact on Energy Use
40% of EU Primary Energy Use
36% of Energy-Related CO₂ Emissions

Technologies Exist Today
Reduction of 80% in Energy Use is Possible With Current Technologies and Processes
An Achievable Vision
80% Reduction in Energy Demand of Existing Buildings by 2050; Supported by European Parliament

Pathway to 80%
Requires Coherent Long-Term Planning; High Level of Investment; High Level of Continuous Returns

Measurement and Verification
e.g. KfW Scheme in Germany €5 Return on Every €1 Invested; Good Ex-Ante Conditions
Multiple Benefits of EE Renovation

Public Finances: €39bn per year
Boost to Public Finances in 2020
Rising to €78bn per year by 2030

New Direct Net Jobs: 1.1 million
Local, Permanent Jobs in Construction;
This Leads to over 2 million Total New Jobs

Boost to EU GDP: 0.7% per year
Estimate Increase in Construction Output is in the Range €670 to €830bn per year (from 2020)
Releasing the Potential

Binding EE Target for 2030
Provides Policy Predictability and Investor Confidence; Construction Sector Needs Certainty

Building Sector Contribution
Achievable Target: 36% Reduction in Energy Demand in 2030 as Compared to 2005

Innovative Financing Models
Banking and Pensions Sectors; Energy Performance Contracting; EU Structural Funds
Implementing the EED

Governments as Exemplars
Renovation of Central Government Buildings
Assistance to Local and Regional Authorities

Long-Term Strategies
Inventory of Existing Building Stock; Quantification of Potential; Calculation of Multiple Benefits

National Energy Efficiency Funds
Arising From Energy Suppliers Obligation Schemes
Address Worst Performing Buildings First

2013  2020  2030  2040  2050
Recommendations

Ambitious 2030 Policy
Binding Targets Work – Energy Efficiency Delivers Business Ready for the Challenge

Remove Structural Barriers
Rent Regulation; Public Accounting Rules; Subsidies for Fossil Fuels; Risk Management for Investors

Ambitious EE Renovation Schemes
Now is the Best Moment; Construction Industry Has the Capacity; Medium and Long-Term Schemes Only
Thank You for Your Attention!

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