



Forging a Greater Path in the Green Energy Transition

Darren Sherry



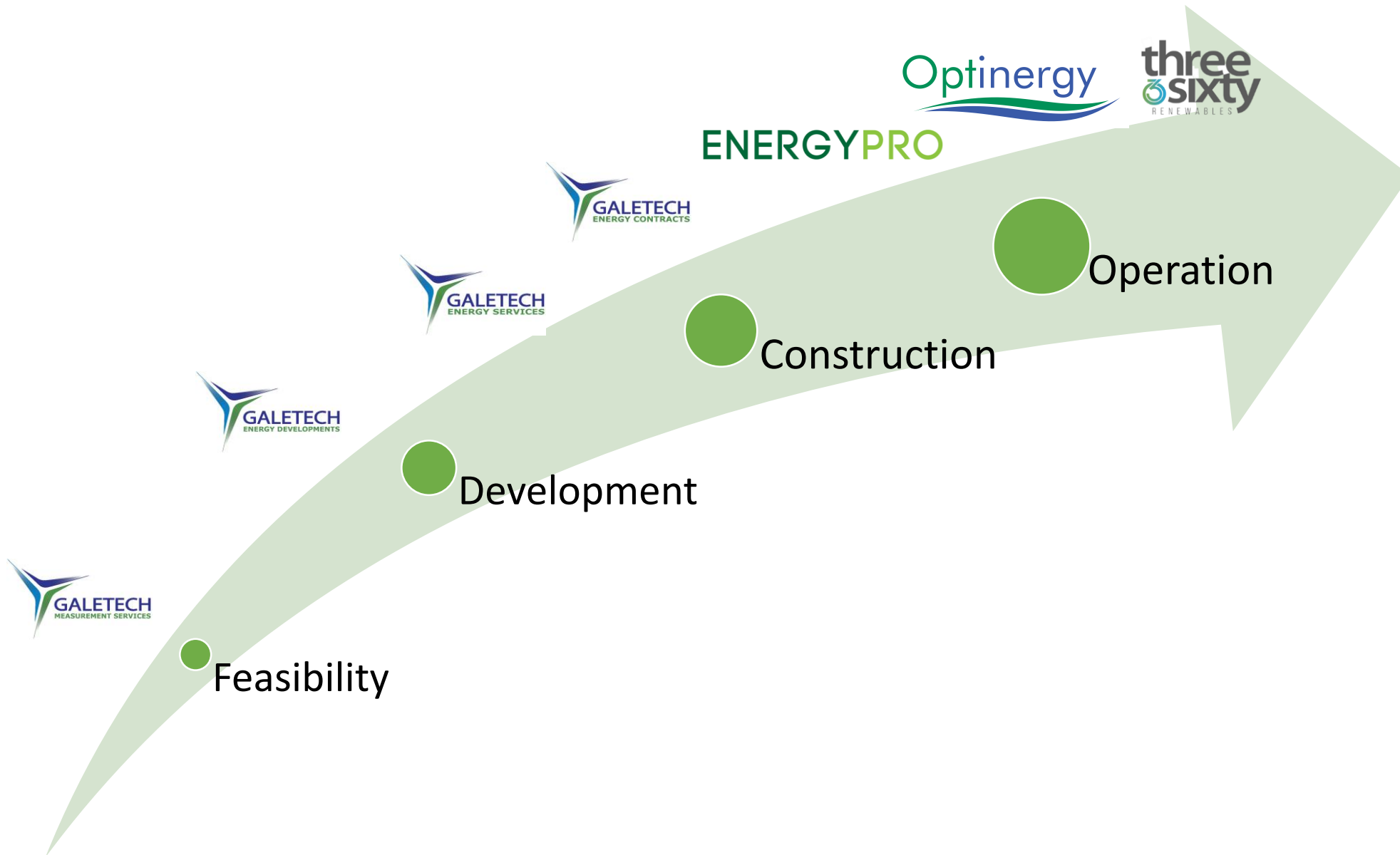


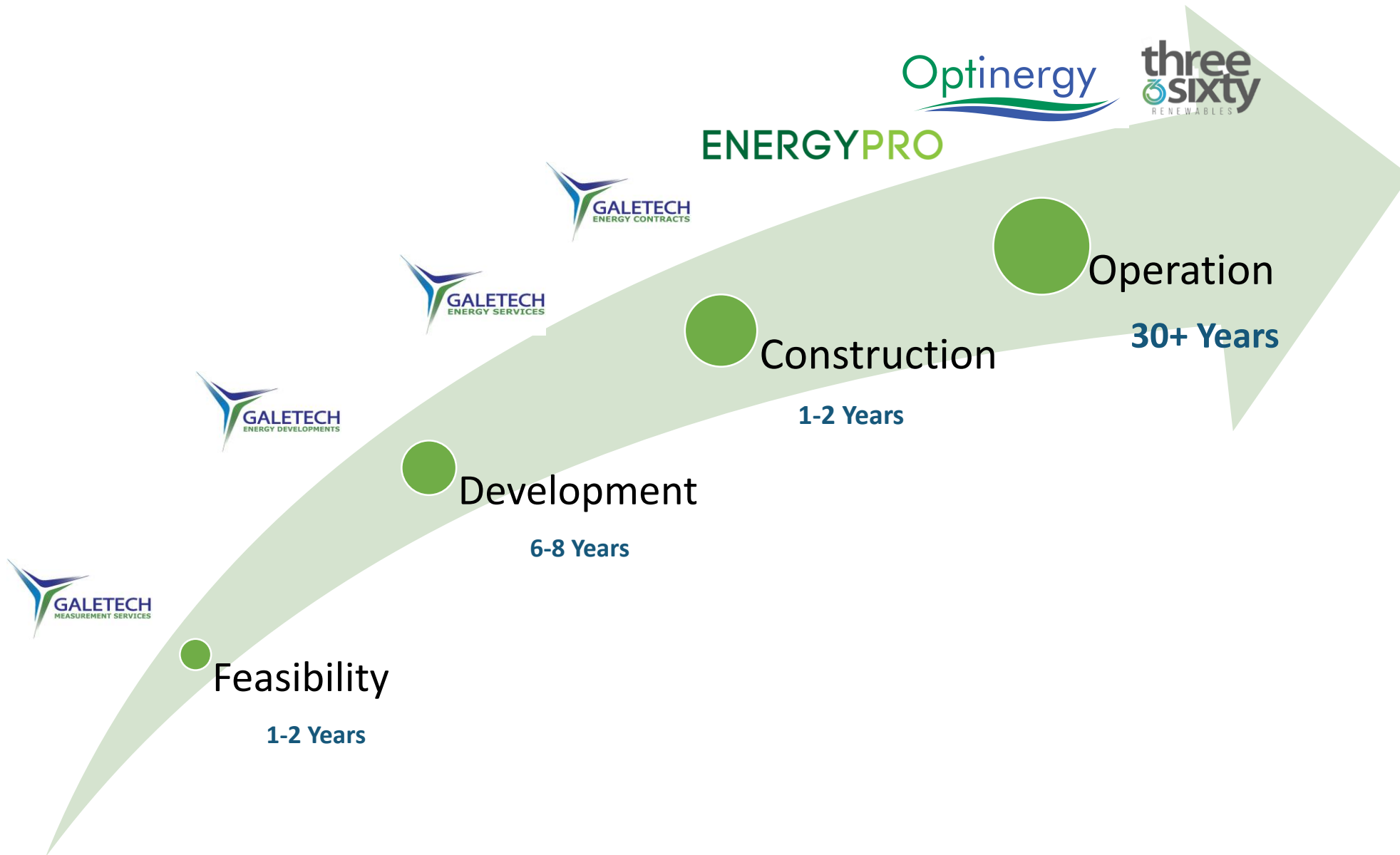
Introduction



- **Founded in 2000**
- **Expert Team of 110**









Project Development

- 680MW Wind in Development
- 300MW Wind Previously Developed
- 300MW Energy Storage
- Partnership Approach

Partners



GE Renewable Energy

GREENCOAT
CAPITAL



energía
Switched on



Specialist Consulting

- Project Management
- Planning & Environmental
- Due Diligence
- Banks Engineer
- Grid Connection Design



Precision Measurements

- Lidar measurements
- Wind Masts
- Solar Radiation Stations
- Acoustic Monitoring
- Foundation Monitoring

Asset Management

- Technical Management
- Stakeholder Engagement
- Financial Control
- Operational Control 24/7
- Specialist Analytics



Operations & Maintenance (Ireland)

- Remote Control
- Physical Maintenance
- Fault Finding
- Project Upgrades
- Emergency Response

Operations & Maintenance / Asset Management (UK)

- Remote Control & Operations
- Asset Management
- Physical Maintenance
- Fault Finding
- Project Upgrades

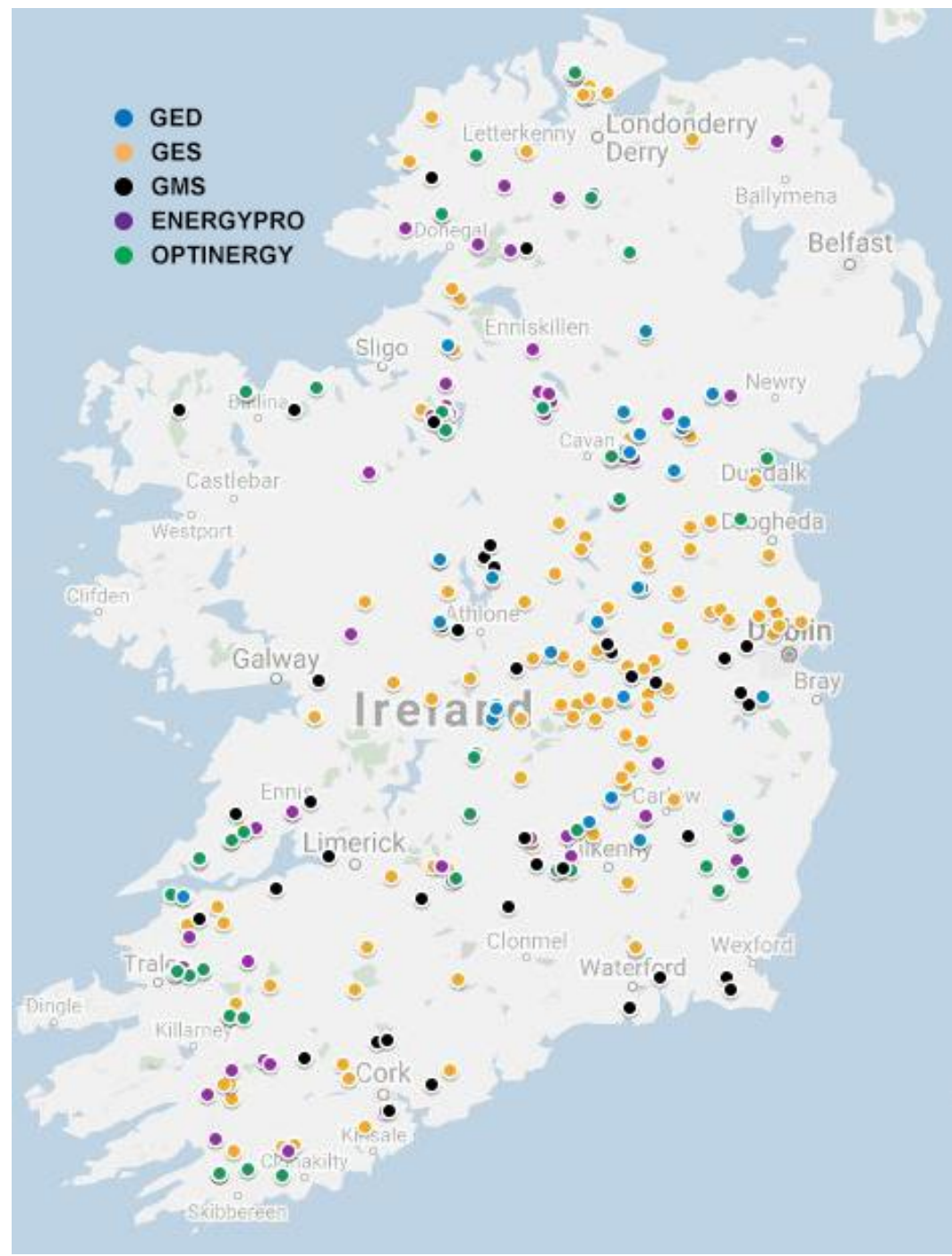
Balance of Plant Works

- Civils Works on Energy Projects
- Infrastructure Projects – Education, Industrial
- BOP Maintenance Works



Sustainable Housing

- Cost Effective Sustainably Built Housing @ Scale
- Modular Volumetric Construction in Factory Environment
- Highly Efficient Materials
- Low & Medium Density Housing
- Regional Focus
- Partnership Approach





Renewable Energy in Ireland



State of the Nation



Onshore Wind

2021

- 360 Windfarms
- 5585MW Installed
- 4400 people employed
- 3.3m Homes Powered Annually
- €2.5m Community Funding Annually
- €45m Local Authority Rates Annually



Onshore Wind

2030

- 8200MW Installed
- 7000 people employed
- 5m Homes Powered Annually
- €22.5m+ Community Funding Annually
- €100m+ Local Authority Rates Annually



Offshore Wind

2021

- 1 Windfarms
- 25MW Installed
- 22,000MW Pipeline



Offshore Wind

2030

- 18 Windfarms
- 5000MW Installed
- Established Infrastructure
- Extensive Interconnection



Solar

2021

- 4 Solar Farms
- 60MW Behind The Meter
- 200MW Installed
- 3000MW Pipeline
- Import Driven Supply Chain



Solar

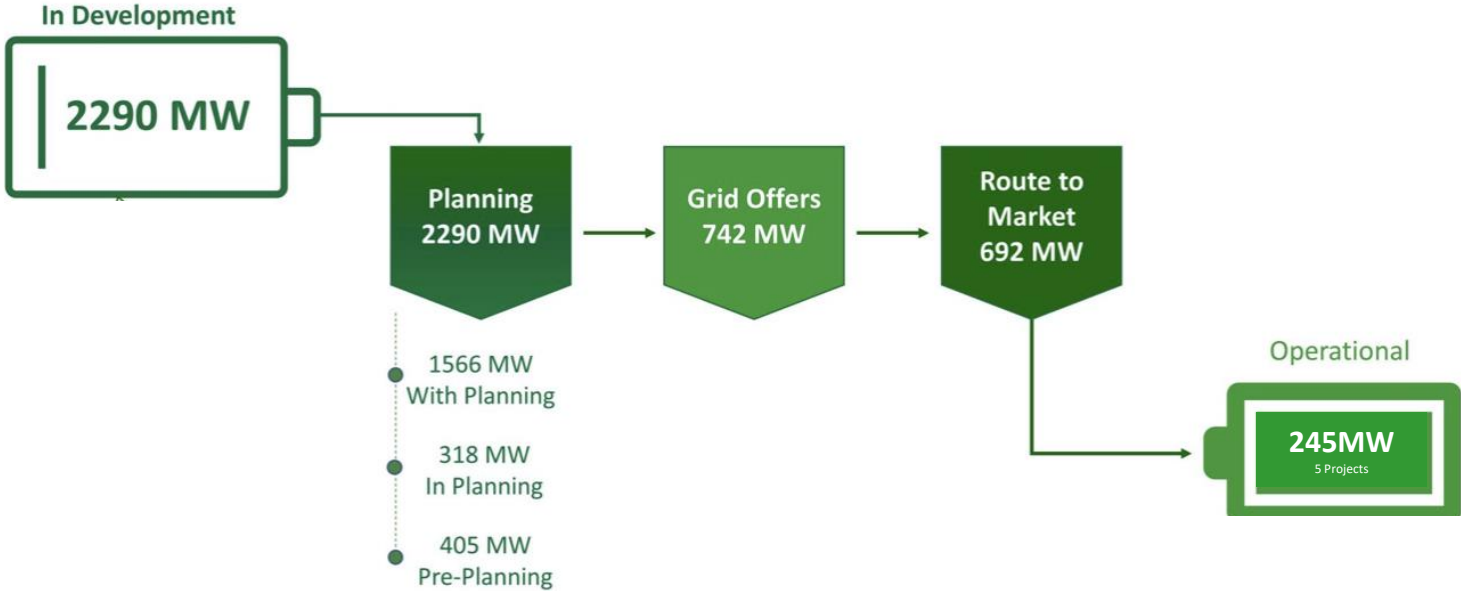
2030

- 10 Solar Farms
- 500MW Behind the Meter
 - Additional Domestic Solar through FiT?
- 4000MW Utility Scale Installed
- Established O&M Base



Energy Storage

Battery Storage Development Pipeline





Hydrogen

Next Big Thing?

- Primarily Industrial Production from Fossil Fuel
- Multiple Large Scale Storage & Production Plans Announced
- Multiple Trials on Hydrogen in Transport
- Green Hydrogen Price up to €8/kg
- Target Price of €2/kg over Time



Opportunities



20% Local Spend – Do Nothing Scenario

Up to 80% Local Spend Available to Win





Onshore Wind

Opportunities

- Operations & Maintenance
- Retrofitting
- Community Fund Deployment - €20m+/PA
- Hybrid Projects



Offshore Wind

Opportunities

- **Construction & Assembly Ports**
- **Operations & Maintenance Ports**
- **Balance of Plant Supply Chain**
- **Marine Specialists**
- **Training**



Solar

Opportunities

- Construction & Balance of Plant
- Operations & Maintenance
- Building Retrofit
- Hygiene & Cleaning



Energy Storage

Opportunities

- Embedded Storage – Electric Vehicles, Buildings
- Grid Scale – Balancing Load
- Hybrid Firm Renewable Projects
- Domestic Storage
- EV Charging Stations



Hydrogen

Opportunities

- Greening Dirty Industries
 - Steel & Metals
 - Chemical Production
 - Data Centre Backup Power
- Huge Export Potential
- Transport Fuel



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GALETECH
GROUP