

## Here Are Some of the Benefits of Working With ERM:



### Make Confident End-Of-Life Decisions that Protect Value

Developers face increasing uncertainty when choosing between repowering, life extension or decommissioning, with grid constraints, waste liabilities, ESG exposure and consent risk often determining viability as much as economics. ERM supports integrated end-of-life strategy assessments that compare pathways holistically - factoring in grid access, permitting risk, decommissioning obligations and circularity requirements - so developers can select the option that protects asset value and balance-sheet outcomes.



### Manage Waste, Circularity and ESG Exposure at Scale

Blade waste, foundations, cables and balance-of-plant materials are emerging as material financial, regulatory and reputational risks as end-of-life volumes increase. ERM helps developers design and deliver compliant waste and circular-economy strategies - covering blade recycling, materials recovery, logistics and lifecycle assessment - aligned with EU and national waste regulations, investor expectations and ESG frameworks.



### Maintain Social License During Transition

Waste handling, construction impacts and perceived grid or landscape change can quickly erode community support. ERM integrates stakeholder engagement with waste and repowering strategies, helping developers maintain trust, manage expectations and secure social acceptance across both repowering and decommissioning pathways.



### Enable Compliant Closure and Future Land Use

Where repowering is constrained, ERM delivers decommissioning plans, cost assurance and site restoration strategies that resolve legacy liabilities, meet regulatory expectations and enable future land use, redevelopment or nature-positive outcomes.

## Why ERM?

50+

Years of experience

500+

Generation assets supported

8000+

Professionals

150+

Offices

40

Countries & territories

For more information visit: [ERM Power Industry](#)

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# End-of-Life and Repowering Solutions for the Wind Industry



# Sustainable End-Of-Life and Repowering Outcomes For Europe's Wind Energy Fleet

More than a quarter of Europe's wind fleet is approaching the end of its economic and regulatory life, triggering a critical transition across the sector. With around 80 GW expected to reach end of life by 2030, owners and developers face increasing liability to manage assets responsibly, while protecting long-term value, safeguarding scarce grid access and leaving a positive legacy in host communities.

Where feasible, repowering offers the highest-value pathway, increasing generation and revenue while maximizing existing infrastructure. Success depends not only on technical and planning viability, but on managing decommissioning obligations, waste and materials, regulatory risk, and social license.

ERM supports clients across Europe to assess and deliver the right end-of-life pathway - life extension, repowering or decommissioning. We help clients to control risk, secure compliance, find pragmatic circular economy outcomes and unlock long-term strategic value from ageing wind assets.

## SERVICE HIGHLIGHTS:

### Strategic Assessment



- Defining optimal pathways: full repowering, partial repowering, life extension or decommissioning based on constraints and site viability.
- Feasibility studies to assess suitability for replacement turbines or co-location of technologies.
- Establishing favorable consenting strategies.
- Early stakeholder mapping and strategic planning.

### Planning & Permitting



- Regulatory review and liaison.
- New consent applications including full multi-disciplinary impact assessments.
- Preparation of de-risked turbine and infrastructure layouts.
- Discharge of planning conditions for decommissioning or repowering consents.
- Assessing and securing new or revised grid connections.
- Development of capital project supply chains designed with the end in mind and leveraging responsibly resourced materials.

### On Site Works



- Driving safe and compliant field execution of decommissioning activities.
- Preparation of waste-management plans targeting high recyclability and traceability.
- Technical oversight and practical management of peat, biodiversity, and habitat during site restoration.
- Ecological monitoring and aftercare.
- Effective community and stakeholder engagement.

