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LIGHTHOUSE BAY SOLUTIONS:
EU TRANSITION & RESILIENCE FRAMEWORK

THE DECISION CHAIN ARCHITECTURE FOR CORPORATE, CAPITAL, AND GOVERNANCE EXECUTION

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CORE TOPICS: CLIMATE RESILIENCE | TRANSITION FINANCE | EU INVESTMENT GAPS | ADAPTATION FINANCE | BOARD GOVERNANCE | HARD-TO-ABATE SECTORS

TRANSITION & RESILIENCE FRAMEWORK:
A LIGHTHOUSE BAY SOLUTION, 2026

LIGHTHOUSE BAY SOLUTIONS

EXECUTIVE OVERVIEW: THE EXECUTION GAP

Lighthouse Bay Solutions is a European climate transition finance and resilience advisory boutique. We enable enterprise decision-makers, boards, and institutional investors to de-risk, finance, and govern complex climate transitions across hard-to-abate sectors.

"The transition plan is written. The compliance boxes are ticked. But the capital won't flow, the underwriters are hesitating, and the board is asking how to de-risk the balance sheet."

This is the execution gap facing European enterprise leaders today.

Lighthouse Bay Solutions is a specialized European climate transition finance and resilience advisory boutique. Founded by Dr. Sebastian Rath, we bridge the gap between high-level climate ambition and bankable, investment-grade execution. We enable enterprise decision-makers, executive boards, and institutional investors to navigate hard-to-abate sectors, secure European funding (InvestEU, EIB, Innovation Fund), and align governance with evolving regulatory realities (CSRD, CBAM, EU ETS).

We operate on a strict boutique model: fixed-scope deliverables, transparent timelines, and agreed fees before work begins. No endless advisory loops—just clear decisions that move progress forward.

THE DECISION CHAIN FRAMEWORK: WHAT IS IT

We structure your next transition progress along your inherent and own decision chain; typically across 6-nodes that enable it:

1. **SCAN:** Identifying your exact position in funding transition progress to determine which operational shift must be driven next.[3]
2. **PRICE:** Grounding asset values, climate risks, carbon pricing, and insurance premiums in bankable evidence.[3]
3. **DECIDE:** Converting transition insights into structured, phased execution pathways for boards and executive management.
4. **FINANCE:** Independent navigation of EU funding mechanisms (InvestEU, Innovation Fund, EIB) and lender underwriting criteria.[3]
5. **DELIVER:** Hands-on execution support to embed physical climate resilience and adaptation directly into capital deployment plans.[3]
6. **GOVERN:** Providing long-term board oversight and non-executive director (NED) advisory where transition deliveries raise complex governance questions.[3,4,5]

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CORE ADVISORY OFFERS: PROGRESS LEVERS

Lighthouse Bay Solutions does not sell disconnected services. We support one continuous transition journey: understanding where you stand ↠ structuring and financing investments ↠ strengthening the governance that keeps progress on track.

STAGE 1: TRANSITION UNLOCK

Designed to establish immediate clarity, diagnose roadblocks, and set a definitive execution rhythm.

14-Day Transition Unlock

- What It Means For You: *A fixed-scope diagnostic that reveals where your transition stands and pinpoints the three critical board-level decisions required to unlock immediate progress.*[3]

90-Day Execution Sprint

- What It Means For You: *Translates priority climate investment decisions into bankable, delivery-ready milestones, structured for rigorous execution against agreed checkpoints.*[3]

Retained Decision Partner

- What It Means For You: *Sustained senior decision support to maintain momentum, providing clear objectives, independent challenge, and committed agendas.*[3,4]

STAGE 2: RESILIENCE ACTIVATION

Designed to harden capital structures, asset-level climate data, and regional investment ecosystems against lender and insurer scrutiny.

Capital & Risk Elevator

- What It Means For You: *An independent review of capital and risk structures for priority assets or portfolio plans, hardened against lender, investor, and insurer requirements before financial close.*[3]

Adaptation & Resilience Elevator

- What It Means For You: *An independent review of asset-level climate risk data quality and practical upgrade paths—from live environmental data and digital twins to AI-agentic operational resilience.*[3,4]

Regional Implementation Elevator

- What It Means For You: *Scalable implementation pathways linking EU structural funds, private lenders, regional capitals, and adaptation partners for repeatable impact.*[4]

STAGE 3: GOVERNANCE PARTNERSHIP

Designed to equip executive boards and nomination committees with the hands-on governance oversight needed for long-term value creation.

Board & NED Support

- What It Means For You: *Independent board guidance, interim mandates, and fractional leadership for organizations steering major transitions[cite: 4]. We provide constructive challenge grounded in real-world experience, aligning corporate balance sheets with regulatory realities (CSRD, CBAM, EU ETS, and physical climate risk).*[4]

Bespoke Mandates

- What It Means For You: *Tailored advisory partnerships with fractional scope measured in months or quarters, anchored by a clearly defined deliverable and a named decision before signature.*[4]

THIS FRAMEWORK EXISTS FOR ONE REASON: TO MAKE SURE YOUR TRANSITION PLAN ACTUALLY MOVES FROM PAPER TO THE BALANCE SHEET.[3]

Whether you are addressing Europe's €344bn climate investment gap, preparing an asset for lender underwriting, or strengthening board-level climate oversight, Lighthouse Bay Solutions delivers the independent perspective you need.