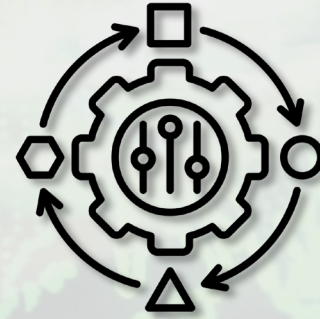
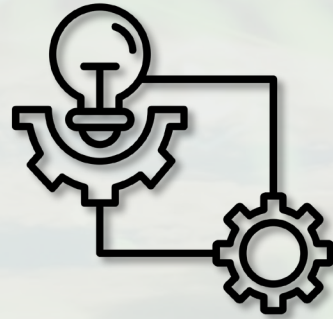


The MDB Framework: Sustainable Transformation

A modular and phased approach to building
sustainability capabilities across your organization





Sustainable Transformation in Pharmaceuticals: A Business Imperative

As regulatory pressures mount and stakeholder expectations evolve, pharmaceutical companies face unprecedented demands to demonstrate environmental and social responsibility.

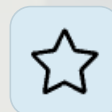
Sustainable transformation has become a strategic imperative for pharmaceutical leaders, providing a clear roadmap for implementation that drives business value through operational excellence, risk mitigation, and innovation.

Why Act Now?



Operational Efficiency & Cost Reduction

Energy-efficient systems, lean resource use, and waste reduction lower operational costs and improve production agility, directly impacting the bottom line.



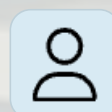
Regulatory Compliance

From SEC climate disclosure to EU Corporate Sustainability Reporting Directive (CSRD), regulatory expectations are evolving rapidly. Getting ahead reduces risk and protects license to operate.



Risk Mitigation

Water scarcity, energy volatility, and supply chain disruptions directly impact manufacturing and packaging operations. Sustainability initiatives build critical operational resilience.



Customer and Market Demand

Procurement teams, healthcare providers, and patients increasingly demand responsible sourcing and low-impact products. Sustainability strengthens market access and brand trust.

Core Pillars of Transformation

Greenhouse Gas Reductions

Comprehensive tracking of Scope 1, 2 & 3 emissions, coupled with energy efficiency initiatives and strategic supplier engagement to reduce carbon footprint across operations.

Waste Minimization

Process and packaging optimization that creates circular material flows, reduces production waste, and implements effective diversion strategies throughout the value chain.

Water Stewardship

Usage audits, treatment infrastructure upgrades, and resilience planning in water-stressed manufacturing locations to ensure operational continuity while reducing environmental impact.

Social Impact

Fair labor practices, community health initiatives, diversity and inclusion programs, and supplier responsibility frameworks that complement environmental goals.

Real Benefits, Real Results

25%

Energy Reduction

Potential savings through change and investment

30%

Packaging Waste

Reduction possible with circular redesign

3X

Talent Attraction

Improved recruiting success for key positions



Introducing the MDB Framework for Sustainable Transformation

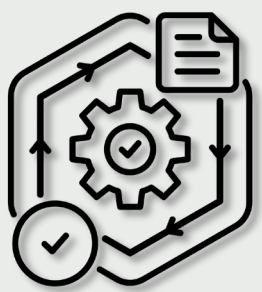
What is it?

A practical approach to transformation

- The framework is a **phased approach** for change that every organization can easily understand.
- **Developed by experts** in pharmaceutical manufacturing, supply chain and sustainable business, it integrates best practices in change management with sustainable principles to deliver real outcomes.
- **Modular**, enabling a tailored approach based on today's business priorities and desired sustainable impact.

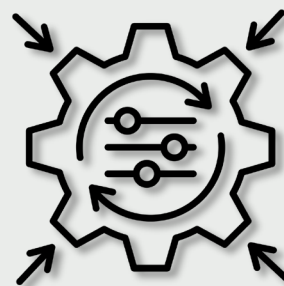


The Phases



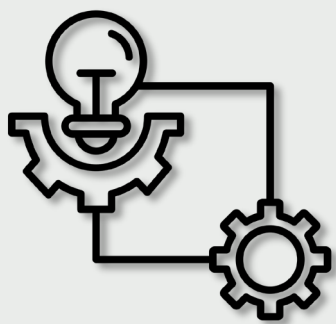
Phase 1 - Foundation

Achieve executive alignment, discover areas of opportunity for sustainable transformation and grow the capacity of the organization through education.



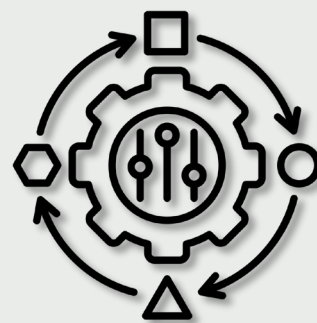
Phase 2 - Integration

Conduct materiality assessments, develop strategy and governance, assess risks and initiate transformative and sustainable change.



Phase 3 - Implementation

Pilot programs, progress stakeholder engagement and implement sustainable changes to product and processes.



Phase 4 - Analysis & Adaptation

Measure outcomes and impacts from change and adapt projects and programs to reduce risks and improve performance.

MDB helps pharmaceutical companies build practical sustainability roadmaps rooted in value creation and implementation readiness. **Let's build your business case for sustainability — with clear metrics, executive alignment, and actionable steps.**



Contact: Tim Marsh, Founder & Head of Visibility, MDB

📞 610-823-2420 ✉️ tim@mdb.limited