

Materials Management for a Lean Green Enterprise

A Lean strategy aspires to eliminate all forms of waste... core competency in a sustainable enterprise.



The Sustainametrics Edge

Our mission is to help our clients thrive in a rapidly changing world that demands a broad systems perspective, specific client insight, innovation, flexibility, and action.

Sustainametrics professionals help you anticipate changes in local and global regulations, customer expectations, supply chain issues, and the cost of doing business in a resource constrained world.

Our experts design collaborative implementation plans that utilize proven solutions and best practices for maximum competitive advantage.

We advise on metrics that make sense for your business to monitor and drive effective behavior change and enhanced performance.

We facilitate buy in from internal and external stakeholders to ensure the ongoing execution of plans.

Challenges and Opportunities

Overall, the U.S. economy is incredibly inefficient with only 6% of materials ending up in product. This level of waste represents a huge opportunity, and is not sustainable in a world where resources are finite. Maximum material utilization and conservation of natural capital is the new business imperative. A Lean strategy is the perfect framework to reduce waste, operate in a more environmentally responsible way, and take a company beyond regulatory compliance by embedding sustainability as a core business strategy. Creating a Lean Green enterprise drives innovation and competitive advantage while capturing cost savings and reducing regulatory risk through the relentless reduction of all types of waste and conservation of natural resources.

Lean is a continuous evolutionary process of change driven by internal stakeholders. Lean recognizes that all materials and steps in a process are necessary to produce or enhance the outcome, and applies Lean logic to articulate improved processes. Identification of waste in processes, production and services as well as the supply chain, waste stream and behaviors is the first step towards a lean enterprise.

Solutions and Approach

Sustainametrics is a team of energetic change agents. We take a holistic systems thinking approach to “leaning” an enterprise. Beginning with your sustainability goals, we apply Lean techniques that are focused on the customer and efficiency. The long-term result is a customer centric business that maximizes the value stream while minimizing impacts to the environment. The application of Lean techniques provides structure to a sustainable vision.

A sustainable vision delivers reduced costs, increased profits and positive brand image.

The Sustainametrics solution package includes an initial value stream process map that enables you to identify waste in the system and prioritize actions to eliminate all forms of waste including raw materials, process time, associate idle time, inventory, defects and unnecessary administration. This first step to leaning operations typically uncovers multiple areas of opportunity for improvement and cost saving.

Approach

A holistic lean approach to sustainability strives to make every business decision meet the criteria of adding value to the customer and the enterprise, while also having a positive impact on the environment. A sustainable enterprise is managed by people who care about the customer, the planet and the company's long-term growth.



Whether an enterprise has just filled its first recycling bin or is looking to fully integrate a sustainability strategy, our systematic approach will address your tactical questions. We align efforts at all levels toward easily understood goals.

We work with your team to:

- Perform a systematic assessment and eco-audit of the operations and resource use.
- Provide training and education of sustainability and lean concepts
- Identify areas to target for waste and/or toxicity reduction and cost savings.
- Develop an implementation plan. Incorporate quality control objectives.
- Engage and inspire employees and suppliers to optimize performance.
- Install a system of continuous improvement that keeps paying dividends into the future.

Your Benefits

The ultimate benefits derived from a Lean sustainable strategy are reduced waste and risk, improved profitability, streamlined processes and engaged employees. Additional benefits include:

- Energy and water cost savings and decreased Carbon (GHG) emissions
- Increased revenues from customer centric strategy and enhanced ability (and agility) to meet customer pricing and sustainability requirements
- Enhanced brand value
- Reduced regulatory risk

Tools and Deliverables

Sustainametrics' tools are designed to facilitate lasting change in an enterprise. Beginning with the key questions: "How can we do this better?" and "How does this add value to the customer?" we assess your needs, customize our tools, and then teach your internal stakeholders how to maximize impact by eliminating waste, reducing costs, streamlining processes, and improving service to the customer. Our customized tools include:

- Lean waste audit and waste reduction plan
- Lean Logic workshops and team development
- Life Cycle Cost analysis
- Value Stream Mapping
- Ongoing continuous improvement plan

Sustainametrics provides consulting expertise, web based tools and knowledge bases to businesses and government agencies to help them achieve high sustainability performance. Services include research/planning and assessments, energy/climate program planning, foot-printing, water/carbon/waste reduction, environmental risk mitigation, eco-market opportunity analysis and strategies for revenue growth, green product brand enhancement, organizational change management/training on best practices in sustainability.

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