

Lean Transformation



A Fundamental Change in How Your Organization Thinks

Lean is a production practice centered on achieving maximum value with minimal effort.

Through a Lean transformation, your company may realize:

- Reduced operational costs by more than 25%
- Guaranteed on-time deliveries more than 99.5%+ of the time
- 2X inventory turns
- 99.5%+ quality yields on the first pass

We can help you develop a sustainable, lean culture that can help you maximize productivity and profits.

Customized Lean Transformations

Your business is unique, so your Lean transformation should be too. Our experts can instruct your company in:

- Value Stream Mapping
- 5S and Standard Work
- A-3 methods of strategic planning
- One-piece flow and cellular manufacturing
- Identifying and eliminating 8 major waste sources
- 10-step Kaizen, waste walks and self-assessment methods
- Plan-Do-Check-Act methods

Lean Transformation Will Create a Sustainable Culture

We are committed to helping affect a sustainable culture change within your organization. To that end, we offer long-term mentoring and follow-up, coaching and further improvement recommendations.

With Lean, You Can:

- Compare your “state of Lean” to world-class metrics
- Create a culture that embraces problem solvers and waste eliminators
- Produce a comprehensive, connected and measurable strategic plan
- Develop a systematic tools application and a principled approach to process optimization

Interested in Learning More?

Connect with us online at www.ies.ncsu.edu or contact your IES Regional Manager for further details.

Industry Expansion Solutions (IES) is the engineering-based, solutions-driven, client-focused unit of NC State University. Our broad portfolio and deep industry expertise help organizations grow, innovate and prosper. Our extensive partnerships with business, industry, education and government generate a unique culture of collaboration that provides access to cutting-edge expertise, research, and technology.

The Plan

Below is a typical implementation schedule. Transformation is a continuous, daily effort on the part of everyone in your organization. This schedule reflects when and how IES may provide support to your effort. Please note: this chart is merely a guideline; we will customize the plan to fit your needs. At your journey's successful conclusion, you will have paved the way for continuous improvement, management involvement and workforce empowerment to become a way of life at your company.

Activity	# Of Days	Phase 1 Beginning the Journey				Phase 2 Growing the Culture				Phase 3 Expanding the Impact				Total Days
		Month				Month				Month				
		1	2	3	4	5	6	7	8	9	10	11	12	
Organizational Transformation Assessment	2	OTA												2
Executive Overview	1	EO												1
Hoshin Kanri/A3 Development	3		HKA3											3
Awareness Session	1		AS											1
Change Agent Development	1		CAD			CAD				CAD				3
Value Stream Mapping	4			VSM			VSM				VSM			12
Facilitator Training	3			FT		FT		FT		FT				12
Kaizens	4				K		K		K		K		K	20
Mentoring	1			M		M		M		M		M		5
Strategic Review/Shingo	1						SR						SR/S	2
		20				22				19				61

- OTA:** The first step - an accurate data-based evaluation of the organizational current state of Lean.
- EO:** Educate your leadership team as to the principles and concepts of a successful transformation.
- HKA3:** Your leadership team is challenged to draft a transformation plan, including strategy formulation in how to drive the cultural transformation throughout your organization and create objectives and goals that are aligned to a "true north" vision.
- AS:** Intended for all organizational members, this session focuses on creating awareness of what occurs relative to change across the organization, how each person is impacted and their role in the transformation.
- VSM:** Enables senior management, department managers and frontline associates to see the waste in their current state, and to project a future state value stream direction.
- CAD:** Addresses basic skills and methods necessary to be a successful change agent within your organization. Participants include middle managers and individuals that will be facilitators and leaders of Kaizen events.
- K:** Three- to four-day intensely focused events by cross-functional/multi-level teams on actual improvement opportunities. Outcomes should: (a) create improvement, (b) learn a tool and (c) grow a culture.
- FT:** Extensive coaching in how to manage kaizen events and teams, keeping focus on the objective and how to utilize the 10-step Kaizen approach.
- M:** Periodic one-day sessions with Senior Leadership Steering Committee to review previous activities, evaluate progress and discuss upcoming activities. The method will follow the Deming model of PDCA. The sessions will include time for one-on-one mentoring of leadership, facilitators and team members, as required.
- SR:** Gauge program effectiveness and direction. Key review items will include performance metrics, sustainability, associate involvement, and culture development. A one-day Shingo assessment is optional.