



### **Tired of fixing problems? Learn to prevent them.**

Defects can be a big expense. No matter where in the product life cycle a defect is spotted, addressing the problem takes time and money. And, if a defective product or service makes its way into your customer's hands, you're also faced with the cost of repairing your reputation.

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*With Lean Sigma 180, benefits materialize immediately and can be sustained long-term.*

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Six Sigma is an engineering process that helps companies produce products and services that are almost uniformly perfect; the allowable rate of defects under the rules and principles of Six Sigma is only slightly over three units per million units produced.

Six Sigma guides its users in understanding how defects come to be, and subsequently eliminating their root causes. The goal of enacting Six Sigma improvement projects within an organization is to come as close as possible to achieving a defect rate of zero. Six Sigma awards different levels of 'belts' as practitioners gain experience with the system; 'black belts' are experts, while "white belts" are just beginning.

### **The IES Approach**

Lean Sigma 180 takes a unique approach by allowing green belt candidates to begin with an improvement project before any formal training is given. Our team of Lean Six Sigma experts works with your senior leadership to identify specific improvement projects that directly affect your organization's strategic initiatives.

Projects are not limited to production defects; they might include efficiency or capacity issues, process variation, materials management or maintenance. It is not unusual for these projects to generate savings and efficiencies of \$50,000 or even \$100,000. The organization benefits from these savings even as the Six Sigma students are training for green belt certification.

With Lean Sigma 180, benefits materialize immediately and can be sustained long-term. You'll see a highly energized, highly invested workforce, time and material savings, and improved processes resulting in fewer defects.

### **Work with the Industry Experts**

We have helped clients across the spectrum standardize production and decrease errors in production and operations. We've demonstrated that any organization in any industry can see positive results with Lean; our clients represent industries including construction, higher education, government and healthcare, in addition to manufacturing. For each and every client, we develop a customized approach to learning and implementation that results in a successful and sustainable Lean transformation.

Are you ready to take your processes to the next level? Get in touch with us to begin today.



Industry Expansion Solutions

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.

### **Grow Your Business With Confidence. Contact Us Today.**

Visit our website: [www.ies.ncsu.edu](http://www.ies.ncsu.edu) to find the IES Regional Manager nearest you. Contact us by phone: 1.800.227.0264 or email: [iesservices@ncsu.edu](mailto:iesservices@ncsu.edu)

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