Improve processes.
Ensure prosperity for the future.

Survey results show that an organization sponsoring a Kent State Black Belt trainee will see an estimated 37-to-1 return on the training investment with the first project alone.

Sharpened processes, greater efficiency and cost savings are just a few of the advantages that will make your organization more competitive when you implement Lean and Six Sigma continual improvement principles.

Lean tools and techniques eliminate wasteful process activities, and Six Sigma is a disciplined method for meeting customers’ expectations and eliminating defects in any process.

Investing in Lean Six Sigma training and certification is the beginning of a new way of doing business. It especially makes sense in today’s economy. A commitment to implementing these methodologies and tools creates a culture of operational excellence. In the end, you will achieve bottom-line results from the projects your Black Belts undertake, and your organization will become more efficient and customer-focused.

The Kent State Lean Six Sigma Green Belt program has been a huge asset for my development. It has provided a clear roadmap for leading a continuous improvement culture in my organization, as well as gaining the knowledge in how to get there. With the help of Kent State and John Novak, I have learned a wide variety of tools. I highly recommend this program for those wanting to increase their skillset and help their companies drive a continuous improvement culture!

– Lauren Lavo, Shearers Snacks
Why Kent State University?

Unique Program
Kent State offers the unique approach of weaving Lean, Six Sigma, Team-Oriented Problem Solving (TOPS) and Theory of Constraints (TOC) methods into a seamless certification that can help you achieve substantial improvements in your organization.

What’s Involved?
The Black Belt training and certification is held one week each month for four months (160 contact hours, 16 CEUs), and a project is required for certification. The Green Belt and Master Black Belt training and certifications are held two weeks over two months (80 contact hours). For Green Belt certification, project completion is also required.

Who Should Attend?
Key candidates for Kent State’s Lean Six Sigma training and certification programs are:
- Quality technicians, supervisors and managers
- Plant managers
- Directors and managers of engineering
- Vice presidents or managers of customer service
- Operations managers
- Vice presidents of manufacturing
- Directors and managers of patient services
- Patient quality managers
- CFOs
- Presidents
- CEOs

Organizations in the manufacturing, healthcare and service-based industries, as well as in higher education, will reap significant benefits from employees attending these programs.

I would highly recommend the program. Steve Skillman does an exceptional job in teaching Lean Six Sigma Black Belt concepts using classroom training, real-time practicums, lab experiments, and capped by a real-world project related to your organization.

— David Northern, University Hospitals
ENROLL NOW.
Kent State Lean Six Sigma Training and Certification

Programs are offered at the following locations and times:
ALL WEEKS OF TRAINING ARE HELD MONDAY THROUGH FRIDAY FROM 8:30 A.M. TO 5 P.M.

LEAN SIX SIGMA BLACK BELT
FALL 2017
- SEPT. 18 – 22, 2017
- OCT. 16 – 20, 2017
- NOV. 13 – 17, 2017
- DEC. 11 – 15, 2017
The Conference Center
Kent State University at Stark
North Canton, Ohio

SPRING 2018
- MARCH 12 – 16, 2018
- APRIL 9 – 13, 2018
- MAY 7 – 11, 2018
- JUNE 4 – 8, 2018
Regional Academic Center
Twinsburg, Ohio

LEAN SIX SIGMA GREEN BELT
FALL 2017
- OCT. 2 – 6, 2017
- OCT. 30 – NOV. 3, 2017
Hilton Garden Inn
Twinsburg, Ohio

SPRING 2018
- MARCH 19 – 23, 2018
- APRIL 16 – 20, 2018
The Conference Center
Kent State University at Stark
North Canton, Ohio

LEAN SIX SIGMA MASTER BLACK BELT
FALL 2017
- OCT. 23 – 27, 2017
- NOV. 27 – DEC. 1, 2017
The Conference Center
Kent State University
North Canton, Ohio

LEARN MANY FOUGHT IN YOUR ORGANIZATION'S FUTURE GROWTH AND PROSPERITY.

Web: www.kent.edu/leansixsigma
Email: LeanSixSigma@kent.edu
Phone: North Canton: 330-244-3508
Twinsburg: 330-672-5802

WEEK ONE
- Project identification; team building
- Introduction to Lean thinking; process capability
- Six Sigma methods and quality
- Basic Minitab measurement system analysis
- Six Sigma helicopter simulation

WEEK TWO
- Participant project reviews; Lean tools
- Hypothesis testing; comparative analysis
- Tests for data stability and normality
- Theory of Constraints
- Catapult simulation

WEEK THREE
- Participant project reviews
- Advanced Lean methods
- Regression and correlation
- Quick changeovers (SMED); Airplane simulation

WEEK FOUR
- Participant project reviews; team dynamics
- Advanced statistical tools; design of experiments
- Putting it all together to achieve wealth and prosperity for any organization

PROJECT
Each participant of Kent State’s Lean Six Sigma Training and Certification is required to complete a project using the methods learned. This will contribute significant results to the sponsoring organization.

INVESTMENT
Black Belt Training and Certification: $6,950
Master Black Belt Training and Certification: $4,975
Green Belt Training and Certification: $3,750

These prices include breakfast, lunch and afternoon snack each day of training. The Black Belt and Green Belt program prices also include two reference books. All participants receive an electronic copy of the participant materials. After the required capstone project is submitted and approved, participants will receive an engraved plaque. Those who earn a Black Belt or Master Black Belt receive the Kent State University Lean Six Sigma polo shirt and are entitled to use the designation “Certified Black Belt” or “Master Black Belt” as a professional credential. Lodging accommodations are not included.

LAPTOP and SOFTWARE
So that participants can maximize the benefit of attending Lean Six Sigma training and to realize a return on investment for future Lean Six Sigma projects, Kent State requires that each participant bring a laptop loaded with current versions of Minitab and Quality Companion to each day of training. Kent State will provide information to purchase through Minitab.
BOB SKILLMAN
Kent State training and certification facilitator Robert Skillman is a Six Sigma Master Black Belt and a Lean Master Sensei who has been training and certifying Black Belts in Six Sigma and Lean methods since 1997. Skillman received his Lean Master certification from the Shingjutsu Limited Group, the founders of the Toyota Production System. Skillman is an engineer with 35 years of experience. He is also a certified quality engineer, certified quality auditor and is RAB-certified. His background includes extensive experience in automotive, aerospace, nuclear and service industries. Skillman has held quality, Master Black Belt, metallurgical engineering, corporate director and vice president positions with TRW, RB&W, Cleveland Container and SPS Technologies. Skillman facilitates Kent State’s public offerings of the Lean Six Sigma certifications, as well as many of the contracted Lean Six Sigma training and certifications.

JOHN NOVAK
John Novak, CQA, is an industrial engineer and Lean Six Sigma Master Black Belt who has provided consultation and training to improve work flow and methods for clients. He has experience as a software developer and in internal auditing. Novak received his bachelor’s degree in industrial technology from Bowling Green State University and his MBA degree from Kent State University. He has worked with many organizations, including TechniGraphics Inc., M.K. Morse, Elyria Foundry, University Hospitals and W.W. Grainger. Novak facilitates Kent State’s public and contract offerings of the Lean Six Sigma training programs.

STEPHEN SKILLMAN
Stephen Skillman is a Lean Six Sigma Master Black Belt, serving as a facilitator for Kent State University, training Lean Six Sigma Black Belts. Skillman received his bachelor’s degree in business administration from Lake Erie College. He has worked in the automotive, government ballistics and electrical insulation industries. Skillman has held production scheduler, purchasing manager, shipping manager and quality and continuous improvement manager positions with Nescor Plastics and Iten Industries.

“Bob, Steve and John showed the tools and taught us the techniques to overcome persistent, costly production issues saving us money and dramatically increasing our productivity.”

— Mike Andrzejewski, Samuel Steel Pickling Group
Sponsoring Organizations
of Kent State’s Lean Six Sigma Training and Certification Participants

A. Schulman Inc.
Accurate Metal Machine
Adhesives Research Inc.
Akon Rubber Development Laboratories
Allied Machine & Engineering Corp.
Ambaflex Manufacturing Inc.
AMKO
American Axle & Manufacturing
AMRESCO
Anchor Fastener
Ansell Occupational Health Care
Antares Solutions
Applied Industrial Technology
A.R.E.
Army Fleet Support
ASHTA Chemicals
Aultman Health Foundation
Automated Packaging Systems
BDI
Beckett Air
Cable Manufacturing & Assembly
CCL Industries
Charter Steel
Chromoflo
Cleveland Clinic
Cobra Plastics
Coca-Cola
Coleman Data Solutions
Colfor Manufacturing Inc.
Colgate-Palmolive
Combi Packaging Systems LLC
Concord Steel
Consumers National Bank
County of Ventura, California
Crane Aerospace and Electronics
CSA Group
Delta Systems Inc.
Diebold Inc.
Direct Energy
Dover Chemical
Elgin Fastener Group
Elster Perfection
Elvira Foundry
EPG Inc.
Ericson Manufacturing
FedEx Custom Critical
Flinchbaugh Engineering
Gabriel Performance Products
Genesis Healthcare System
GOJO
Gradall
Grand River Rubber & Plastics
Grand Rock
Greif Inc.
Harley-Davidson Motor Company
HDT Global
Hendrickson International
Hess Print Solutions
Hill’s Pet Nutrition Inc.
Horsburgh & Scott
Howden Buffalo
Iten Industries
Jamestown Container
Jergens
JLG Industries
John Hassall Inc.
Joy Mining Machinery
JP Morgan Chase
Kaydon Corp.
Kenan Advantage Group
Kennametal
Kent State University
KeyBank
Kimble Manufacturing Company
Lake Health
Lauren Manufacturing
LG Fuel Cell Systems
Marsh Industries
Medical Mutual of Ohio
Metallics Inc.
Meteor Sealing Systems
Miba Bearings
Midlake Products
Morgan Advanced Materials
Morton Salt Inc.
MTD Products, Inc.
Newark Electronics
Nova Machine Products
Ohio Metallurgical
Parker Hannifin Corp.
ParkOhio Inc.
PCC Airfoils
Pentair Water
Plastpro Inc.
Pomerene Hospital
Praxair Inc.
Preformed Line Products
Process Technology
Progressive Foam Products
Quaker Manufacturing Corp.
Rea & Associates Inc.
Reall Alloy
Republic Steel
Riverside Spline and Gear
Roll-Kraft
R.W. Beckett Corporation
Saint-Gobain Crystals
Saint Vincent Health System
Samuel Steel Pickling
Smathers-Oasis
Snyder Manufacturing Inc.
Socket Systems
Southeastern Packaging
Summa Health
Swagelok
TechniGraphics Inc.
Tekfor USA
The Goodyear Tire and Rubber Company
The Step2 Company LLC
TT Electronics
Tusco Display
U.S. Cotton LLC
U.S. Endoscopy
Union Hospital
University Hospitals Health System
V&M Star
Valley Fastener
Valourec Star
Venture Plastics
Victory Capital Management
Viking Forge
Waltco Lift Corp.
Warren Screw Machine
Washington Penn Plastic Co. Inc.
Wayne Dalton
Williams Companies Inc.
Wrayco Industries
Zimmer Surgical