

Testimonial:

"We approached AKA because we wanted help to layout our future building. AKA helped us by mapping our processes, which led us to change a few of them and immediately improve our overall productivity. We also feel much better about our new building design and our future production flow. We liked that the training was fun and interactive. Overall it was a great experience! We would definitely recommend AKA to any other manufacturing business in need of production consulting.."

Larry Robinson, President
Indelac Controls, Inc.

Company Profile:

Indelac Controls Inc. (ICI) is an American actuator manufacturing company located in Northern Kentucky. Product production is performed in our 15,000 square foot factory utilizing state of the art machinery throughout the manufacturing process to ensure the highest possible quality. ICI offers a wide variety of actuator types, and fail-safe solutions for use in industrial valve and damper automation applications. Industries served include: Food / Beverage, Oil / Gas, Power Generation, Water / Wastewater, and other associated industries.

Situation:

We are working to become more energy efficient while making constant improvements to our production processes. A sustainable future is a concept taken very seriously here at Indelac, and we are doing everything we can to fulfill this objective while constantly improving our quality. Indelac's main goal as an actuator company and electric actuator manufacturer is to design, develop and manufacture a high-quality electric actuator at a competitive price while maintaining "on time" delivery.

Solution:

First we created our team, and laid the ground work with a 1 day Value Stream Mapping course. Next, we chose a product line for mapping, and benchmarked our current state making sure to listen to employees closest to the processes for insights. Once we completed benchmarking the current state, we brainstormed ways to make improvements as well as to review our insights from the factory floor. Finally, we created a future state value stream map that included our ideas and process improvements from the previous exercise. On the last day, we broke up into teams and created 4 new potential factory floor layouts based on everything we had gathered, and from the best practice recommendations Tim provided to our staff.



Direct Results:

No less than 80 ideas for improvements were raised. Many of these ideas will require the new facility before they can be fully implemented. At this point however, 4 items have been eliminated completely and 17 others have been implemented in our current facility. The goals for the "future state" improvements below have been discounted to 64% in an effort to be realistic and conservative for the first 12 months:



Cycle Time is expected to decrease by 40% in the first year.



Lead Time is expected to be cut by 14% in the first year.



Efficiencies due to new plant floor layout are expected to produce a 49% decrease in the distance goods travel within the plant, within the first year alone.