



MANUFACTURING EXTENSION
PARTNERSHIP

*Mission: To advance economic prosperity, health and
quality of life in Indiana and beyond.*

Purdue MEP provides high-value solutions that help Indiana businesses maximize their success

by increasing profits, reducing costs, and implementing growth and innovation engineering systems. Our organization serves more than 500 companies annually by implementing continuous improvement principles in the areas of productivity, growth and technology.

Purdue MEP has helped our clients collectively achieve over ***\$1 billion of economic impact*** in Indiana since 2005.

MISSION-DRIVEN NOT-FOR-PROFIT:

YOUR SUCCESS IS OUR SUCCESS

**PURDUE MEP TRACKS ALL PROJECTS WITH A GOAL OF
MAXIMIZING POSITIVE IMPACTS**

LIFETIME ECONOMIC IMPACT

Description	Totals
Jobs Created and Retained	10,448
Sales Created and Retained	\$1.021 Billion
Cost Savings	\$117 Million
Investment	\$258 Million
Total Impact	\$1.396 Billion

MANUFACTURING EXTENSION PARTNERSHIP

Providing high-value solutions to help Indiana manufacturers maximize their success by increasing profits, reducing costs, and implementing growth and innovation engineering systems.

Manufacturing Services:

- ❖ Lean Manufacturing
- ❖ Leadership & Supervision
- ❖ Innovation & Product Development
- ❖ Lean Office
- ❖ Quality (ISO) & Environmental Improvement
- ❖ Six Sigma Certification
- ❖ Training Within Industry (TWI)



MANUFACTURING EXTENSION PARTNERSHIP



- **50% reduction in setup**
- **Saving 50 hrs./mo. in labor**
- **Eliminated 8 hrs./wk. in extra office processing**

*“Myers Spring Co. has had fantastic success through our collaboration with Purdue MEP. We’ve **increased sales and profit** each of the last 3 years by implementing lean improvements using Kaizen events. Our facilitator comes in monthly and keeps us on track with follow ups, action items, and confirmation of productivity gains! The program has **paid back 2x's the cost via ongoing savings**, and we will continue to contract through the Purdue MEP program.”*

- Jim Parsons, Vice President, Myers Spring Co.



SUSTAINABILITY & ENERGY EFFICIENCY

Helping companies improve processes, minimize wastes, and develop energy management practices through workshops, on-site training, awareness events, implementation and consulting services.



SEE Services:

- ❖ Develop internal capacity while sustaining productivity
- ❖ Teach you long term cost saving strategies
- ❖ Increase your energy efficiency & reduce your energy costs by up to 20%
- ❖ Reduce your carbon footprint & minimize waste
- ❖ Provide awareness and advice on renewable energy
- ❖ Implement industry Best Practices



SUSTAINABILITY & ENERGY EFFICIENCY

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Onsite Training:

- ❖ Demand Management
- ❖ Energy Savings 101
- ❖ Fundamentals of Lighting
- ❖ Fundamentals of Power Factor
- ❖ Sustainable Manufacturing
- ❖ W.A.S.T.E. Stream Mapping
- ❖ HVAC Optimization and Heat Recovery
- ❖ **Fundamentals of Compressed Air Systems – Public Workshop scheduled for December 13th 2016!**



W.A.S.T.E. STREAM MAPPING TRAINING

W.A.S.T.E. is an acronym that stands for

Water



Air



Solids



Toxicity
(Chemicals)



Energy



W.A.S.T.E. STREAM MAPPING TRAINING

The 2-Day W.A.S.T.E. Stream Mapping Training (WSM)

- On-site training of unique, Purdue-developed tools
- Interactive & exciting!
- Combined with project facilitation
- Participants identify actual opportunities to reduce W.A.S.T.E.!

By the end of Day 2, teams have collected data, generated potential solutions, and calculated costs and ROI for the top projects.

REAL projects with *REAL* cost savings.

CASE STUDY #3

Fabricator of Reusable Steel Racks for Automotive Parts



CASE STUDY #3



“...we were staggered by the results, both in knowledge gained and money saved. The Value Stream and W.A.S.T.E. Stream Mapping exercises taught us how to look with fresh eyes to find and eliminate non-value added activities.

Not only will these changes benefit the environment and our employees, but it will also allow us to be much more efficient and realize **savings that far outweigh the small cost of the program.**”

-Darin McCullough and Jay McCullough – Owners of IN-FAB, Inc.

CASE STUDY #3

W.A.S.T.E. Stream Opportunities



- 4 fork truck drivers moving pieces constantly
- Owner sometimes operating fork truck to help
- Changed plant layout to eliminate fork trucks
 - Reduced combustion of Propane in fork trucks:
12,173 lbs annually
 - GHG emissions reduced by **16.2 Metric Tons** of CO₂eq every year!
 - Improved safety with fewer lift trucks operating, and less hazardous materials and waste generation.

CASE STUDY #3

W.A.S.T.E. Stream Opportunities



- Cost savings from propane, fees, waiting time, & repurposed labor = **\$106,797 Annually**
- More efficient plant layout led to increasing production... **\$1Million in New Sales**

SUMMARY



- Projects vary widely based on specifics of each company
- Fresh eyes = innovative opportunities!
- Powerful impacts, every time
- Reoccurring cost savings go straight to the bottom line!

CONCLUSION

For more information, please contact:

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