



CONESTOGA
Connect Life and Learning



WHAT IS VALUE STREAM MAPPING (VSM)?

Realizing success in the dynamically complex global economy is challenging. Many organizations do not know where to start to address the myriad challenges they face. Value stream mapping offers a proven, structured approach to improving operational and financial performance and clarifies the path to sustainable competitiveness.

\$178 MILLION REASONS TO EMPLOY VSM!

BENEFITS OF VSM


- VSM, when effectively employed, can transform your operational and financial performance!
- It helps you to clearly and objectively see your system for delivering customer value.
- It provides a horizontal view of the customer value delivery system, versus the vertical functional view of departments/silos
- It illuminates the connections, flow and interactions between information, material, processes, and people
- It helps identify sources of waste
- It addresses the labour shortage by freeing up much needed labour for business growth
- It provides a common language for improvement process
- It makes your decisions for improving flow clear
- It becomes the basis for an implementation plan
- VSM identifies real, implementable opportunities to improve customer value delivery, resulting in improved operational and financial performance and a path to sustainable competitiveness for your organizational

VALUE STREAM MAPPING

- A proven application of system thinking (see 'What is System Thinking?' brochure) and continuous improvement
- A proven approach to map the current state of the system (flow and processes) used to deliver customer value
- Allows for a comprehensive analysis of the current state with the aim of improving flow and processes, identified in a future state map
- Proposed future state improves customer value creation and delivery, productivity, operational and financial performance, and competitiveness
- Improvements identified help reduce energy consumption and carbon footprint
- Value stream mapping works in any organization where a product or service is delivered through a series of processes

VSM RESULTS

The value stream maps shown are for a project that resulted in an increase in system valued added activity (reduction in waste) from approximately 12% to virtually 100%. Importance? Remember, customers only pay for value, everything else is waste (cost). Further, the project resulted in an increase from 87% to 100% of orders filled each day at current volumes, the re-deployment of two employees to another department, and a 17% increase in productivity to take on new business. Your firm could see similar outcomes. Value stream mapping works!



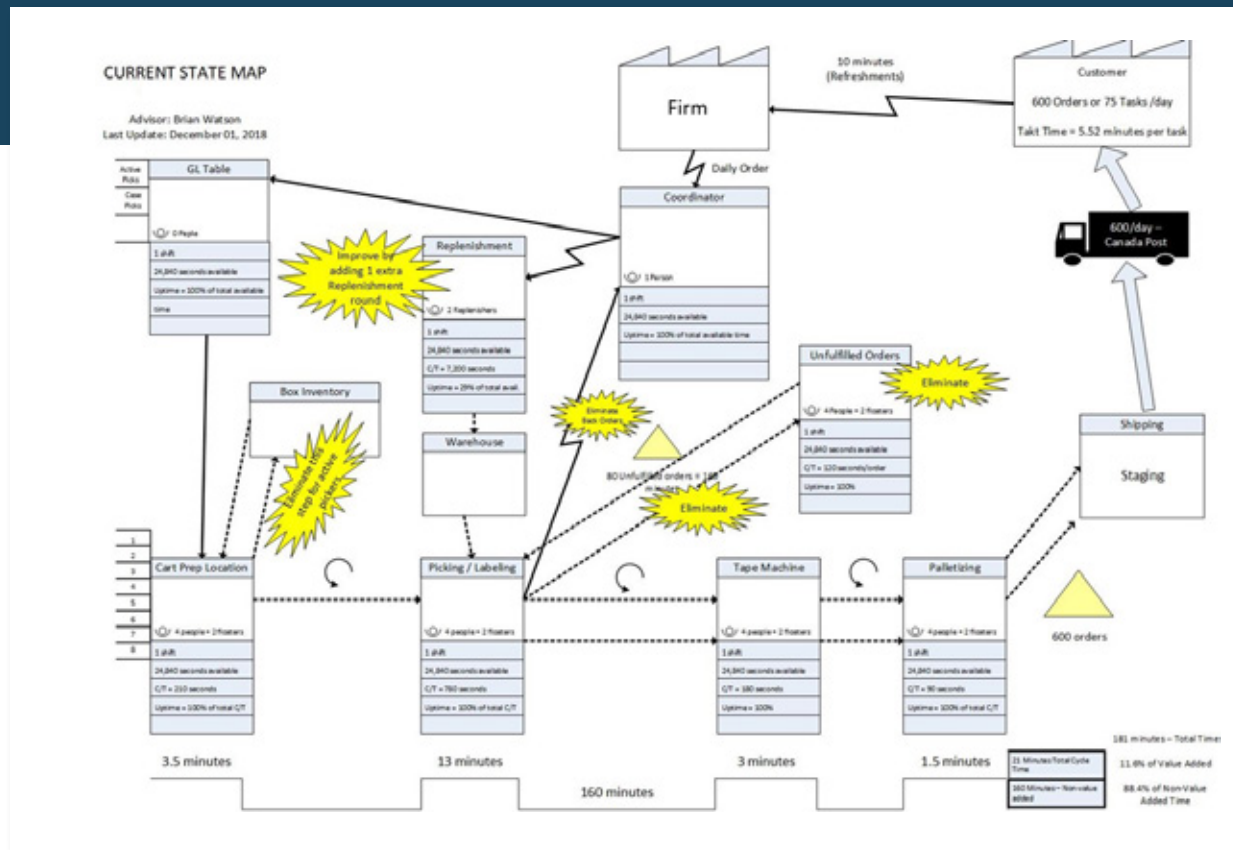
61 industry VSM projects completed from Sept. 2017 to May 2021 resulted in a total financial impact of over \$178 million!

Value Stream Mapping works!

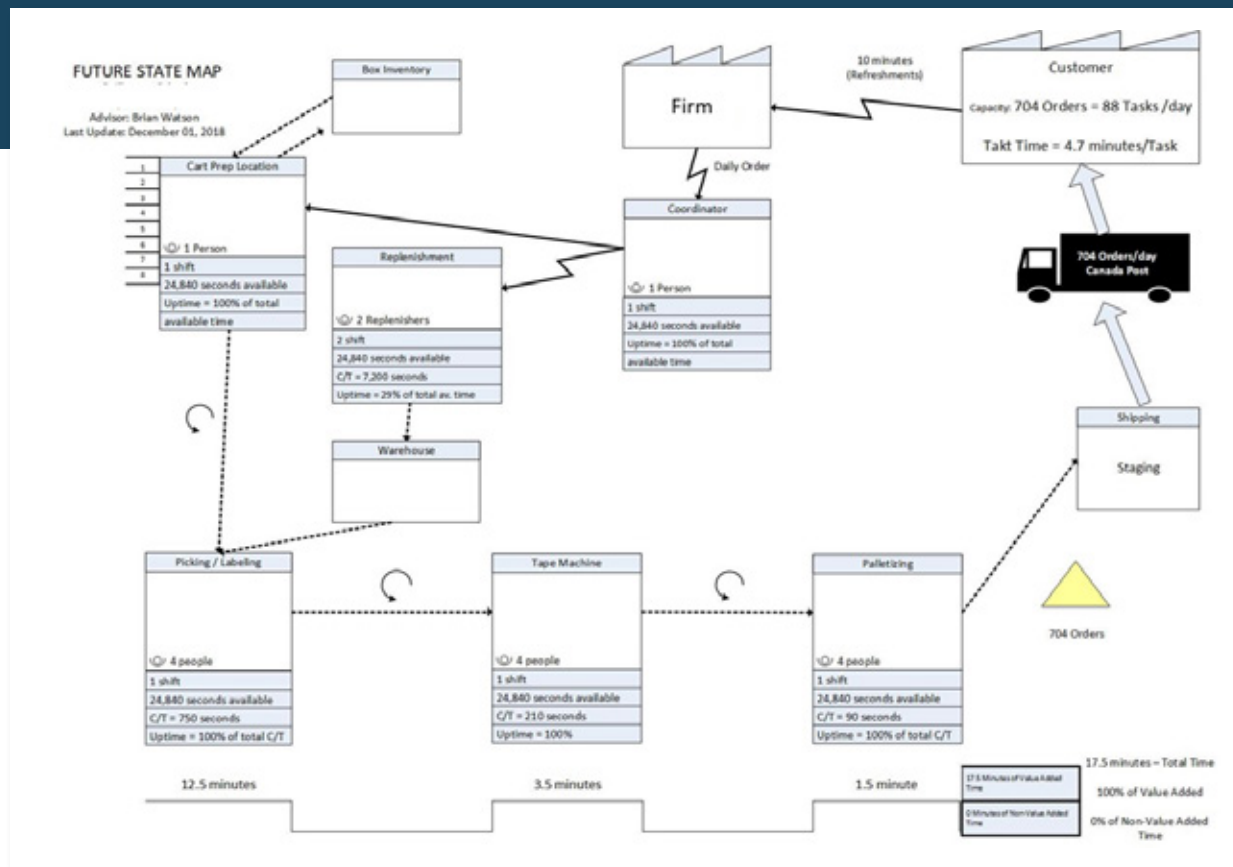
VALUE STREAM MAPPING PROJECTS WITH CONESTOGA COLLEGE

The Business Administration Supply Chain and Operations Management (SCOM) program has a capstone course in value stream mapping. Students engage with clients across all sectors, conducting a value stream mapping project in their firm. Based on feedback from industry, VSM course theory is taught one day per week over four weeks at the beginning of both the fall (September start) and winter (January start) semesters. This allows organizations to send one or more of their employees to take the training with our students. Your cost to register for the course is under \$500 per person including the text book. Your employee then teams up with 2-3 SCOM students and completes a project at your firm. Projects run a total of 14 weeks start to finish (including the classes). A faculty advisor is assigned to each team. The deliverables include a completed VSM project with a written report, identified improvements (operational and financial), an implementation plan, and a presentation to management, in addition to the knowledge transfer to your firm to allow you to continue the continuous improvement journey.

CURRENT STATE MAP



FUTURE STATE MAP



WHAT INDUSTRY IS SAYING

“Excellent job! Awesome job! Thoroughly impressed with your insights. You are tuned into what our associates are dealing with. You far exceeded my expectations. You have identified quick wins for us! We believe that you are conservative on your estimated savings. We commend you for your time, effort, and level of detail.”

DHL Supply Chain Canada

“Our partnership with the College on this VSM project was invaluable as it gave an objective view of areas within our business to focus on. Aligning College industry advisors with students and our staff made for an effective, professional, collaborative project outcome and result. We would highly recommend to any business.”

Septimatech

“This is really good. Well done team! Very professional presentation. We are going to implement this immediately. We are going to roll this out to all the lines. With the space saved we will be putting in an additional line! Would be very open to future VSM teams and wanted information on how to get Supply Chain and Operations Management co-op students.”

Skyjack Inc

“Great job! Excellent work! Very thorough! The depth of your analysis was unexpected. The detailed data analysis documentation provided was excellent. This was a professional quality report and presentation. We appreciate this. We place very high value on your work beyond these two projects. We are really interested in your process of analysis and recommendations. We plan to adopt your approach into our business planning process as the approach to use for future improvements. You have given us a new insight/understanding on how our E-coat management system is impacting our assembly lines. We need to now review how we manage E-coat to synchronize with assembly. You have given us new insights/understanding on material handling that we haven’t considered. We appreciate the simplicity (easy to understand) of the approach you used, the analysis, and the way it was presented. Excellent program (SCOM). You are truly preparing your students to contribute in a real way to the workforce.”

Modatek Systems

LEARN MORE

To inquire about a VSM project at your organization, please contact us.

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