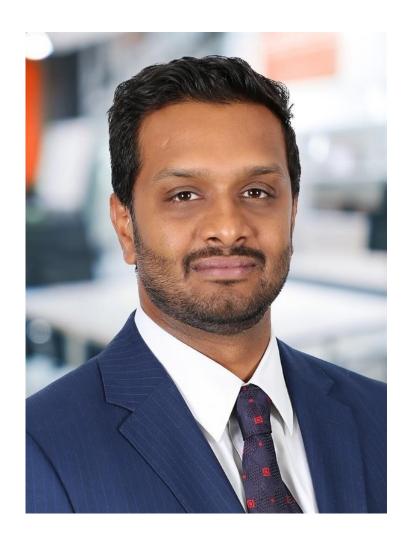


Today's Presenter





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Partner & National Leader of Value Creation

MNP LLP

Yohaan Thommy draws on more than 15 years of consulting experience, most of it in the manufacturing and distribution space, including having helped 10 companies in the kitchen cabinetry, millwork and furniture businesses with transformational projects and about 75 other manufacturers. Yohaan focuses on delivering measurable financial results for his clients, helping them make their organizations more valuable and bringing them greater financial predictability through operational improvements.

Yohaan works primarily with owner-managed, privately held businesses and private equity firms. Yohaan is a certified Project Management Professional and has his Lean Six Sigma Black Belt. He is also a Certified Management Consultant.

About MNP





MNP is the fastest growing and the 4th largest chartered accounting and business consulting firm in Canada.











Industry Overview: Cabinet & Vanity Manufacturing in Canada



The Canadian industry is expected to decline annually by 0.6% between 2021-26. As the housing market cools, interest rate pressures, and export to US cools likely due to cost pressures and availability of supply from China



Despite reducing market size, research suggests of increased entrants over the next 5 years by 3% to 3255. The key differentiator in the increasingly competitive market may be pricing, on-time delivery, and design. The industry is fragmented with the five largest companies contributing to 15% of revenue.



Overall the industry Net Profit Margins have decreased from 5.3% in 2016 to 3.6% in 2021. The margins are expected to decline further as imports from overseas Cabinets, increased price competition, and a rise in wages are all anticipated to create an impact.



The Avg. workforce / per business is 10, with average productivity with revenue/employee of \$143K vs. the US at C\$243K. Access to automation / scale a challenge in Canada

The Canadian industry has seen an average annual growth rate of 1.3% between 2016-21. However, decline annually by 0.6% between 2021-26

Ontario and Ouebec contributed to 2/3rd of the annual revenue in the industry and 2050 establishments.

Between 2016-21, Ontario saw the fastest growth. Avg. annual revenue growth rate of 5.03%, followed by British Columbia at 4.28%.





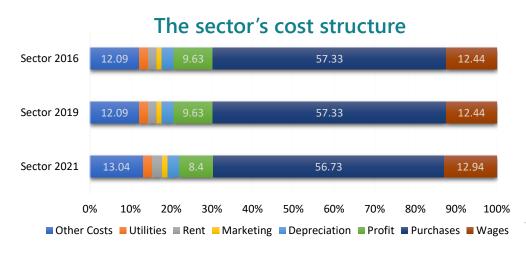




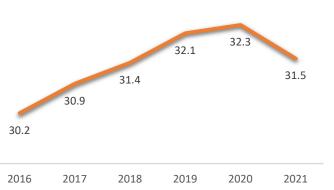


Industry's Financial Performance

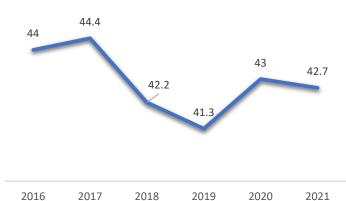




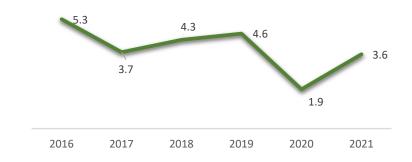
Wages (Production & Other) / Revenue



Purchases / Revenue



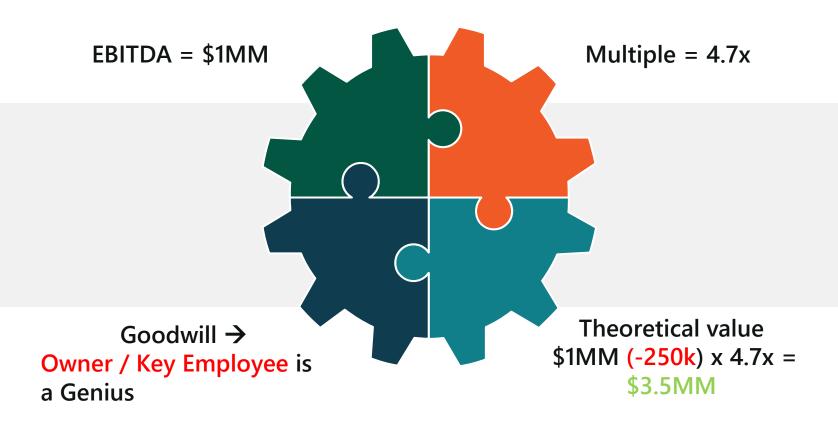
Profit Margin



Cost structures vary among operators in the Canadian Cabinet and Vanity Manufacturing industry and are based on cost efficiency and automation. This industry has high labor costs compared with other manufacturing industries due to skilled labor such as carpenters, furniture assemblers and inspectors, etc. Purchase costs have experienced slight volatility over the past five years due to decreasing sawmill lumber prices.

Enterprise Value: Link to Productivity



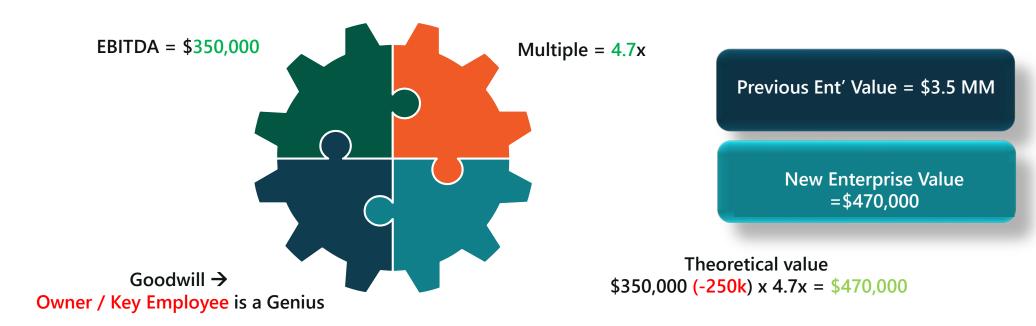


Expected Value = \$4.7MM

Delta = \$1.2 MM

Impact of the economy





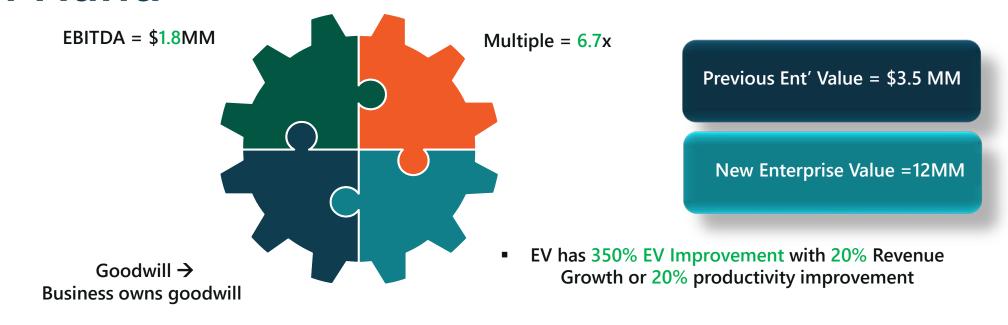


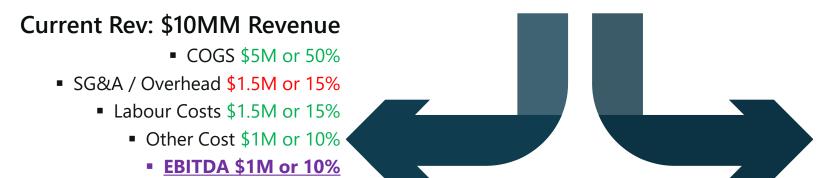
10% Cost Increase: \$10MM Revenue:

- COGS \$5.5M or 55%
- SG&A / Overhead \$1.65M or 16.5%
 - Labour Costs \$1.5M or 15%
 - Other Cost \$1M or 10%
 - **EBITDA \$350,000 or 3.5%**

Productivity & Enterprise Value Go Hand in Hand







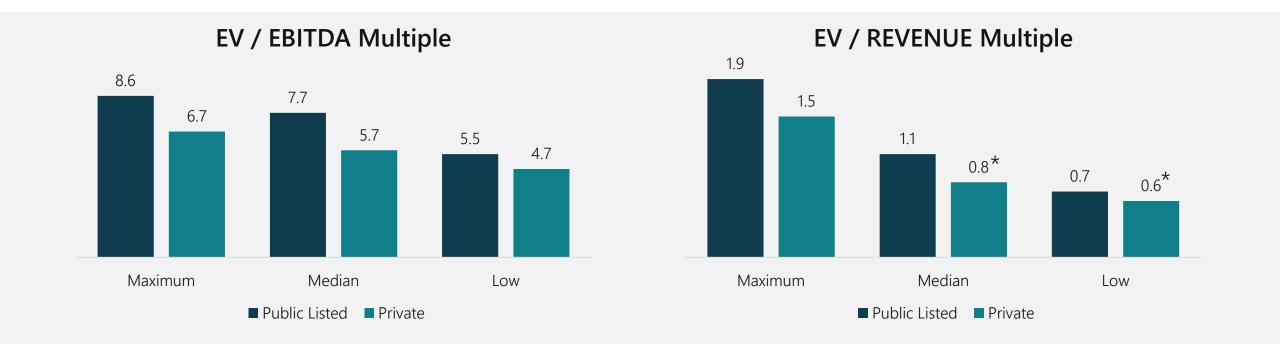
Rev. Growth: \$12MM Revenue:

- COGS \$6M or 50%
- SG&A / Overhead \$1.5M or 12.5%
 - Labour Costs \$1.5M or 12.5%
 - Other Cost1.2M or 10%
 - **EBITDA 1.8MM or 15%**

Industry's Valuation Metrics*



Privately held companies usually have been valued at multiples lower than those publicly. The two key valuation multiples traded at 2x less for EV / EBITDA and 0.4x for EV / Revenue.



Highest Valuations Rule of 30: the principle that a company's combined growth rate and profit margin should exceed 30%



Trends and Insights in Today's Economic Climate

How Could Your Business Be Impacted?



Below we outline a few ways in which a market downturn could effect your business operations.



Growing Threats: Rent Expense - Example



The cost of Rent in the GTA has skyrocketed 53% from 2021 to 2023 levying additional financial stress on Business owners.

2021 \$11.73 PSF, Assume

100,000 SF

Revenue: \$14,662,500

Rent Expense: \$1,173,000

Other Expenses: \$12,181,674

EBITDA:

Amortization:

Net Profit Before Tax:

\$1,307,826

\$1,000,000

\$307,826

2023

\$18.01 PSF,

Assume

100,000 SF

Revenue:

\$14,662,500

Rent Expense:

\$1,801,000

Other Expenses: \$11,181,674

EBITDA:

Amortization:

Net Profit Before Tax:

\$679,826

\$1,000,000

\$-320,174

In 2 years, the company saw and 11.8% decease in EBITDA as a result if the increase in rental costs.

Growing Threats: Interest Expense - Example MNP

Business owners in 2023 must navigate interest rates that have doubled over the last 2 years.

2021

3.25% Rate,

Borrowing

\$2 Million

Revenue: \$14,662,500 Interest Expense: \$65,000

Other Expenses: \$12,181,674

EBTDA: \$1,307,826
Previous Net Profit: \$307,826
Net Profit before tax \$242,826

2023

%
6.95% Rate,
Borrowing
\$2 Million

Revenue: \$14,662,500

Interest Expense: \$139,000

Other Expenses: \$12,181,674

EBTDA:
Previous Net Profit::
Net Profit before tax

\$679,826

-\$320,174

-\$459,174

The Interest Expense increased by 213% from 2021 to 2023. This increase has a direct impact on net income and impacts the company's overall borrowing strategy.



Your Mitigation Plan

Preparation



Anticipating the next business cycle is key. Preparing for it is paramount.

Take Stock

Your first step could be to understand the health of your business and how a market downturn could impact its operations.

- Set aside time with your top decisionmakers to wargame and scenario plan how a recession or soft market could impact your business.
- Understand where the risk lies, this can come from both internal and external sources.
- Ascertain what are your biggest contributors to both revenue and margin. What's driving both of these metrics.

"By failing to prepare, you are preparing to fail"



Develop your strategies

What offensive and defensive strategies could you employ.

- Once you have a clear picture of what to expect and what could be, you can begin to build a series of strategies that will build company resilience, and help you thrive.
- Defensively, we are looking at ways in which we can mitigate the impact of a market downturn on the business. Examples being, cost cutting, foresight response, productivity boosts.
- Offensively, we are looking at ways to gain opportunity from a market downturn and look to the other side. Where can you invest for future growth, moving ahead with acquisitions (both in personnel and assets) etc.

The healthier your business is today, the more resilient you will be in the event of any market downturn



What are your proactive options?

Are you able to leverage any of your strategies to get ahead of potential problems.

Look into your strategy options. Can you begin moving on those whilst the business is in good health? Building resilience in good economic times pays dividends when market conditions take a turn for the worse. Some companies that thrived during the great recession were pre-emptively executing strategy.

Focus on Margin



A key company resilience factor noted during the great recession was margin. Specifically being proactive with how they handled margin both before and during the downturn.

Focus on products and services that **provide you with the best margins** and be willing to compromise on those with high overhead and low returns — **Divesting** from these can aid in releasing dead weight and provide opportunity to **pivot and re-invest** in channels that may reflect the revised economic outlook.



You can start with a rationalization exercise to ensure you're being strategic and maximizing your margins. Begin with products and services that contribute to less than 20 percent of your overall revenues. Is it worth placing large orders or having a large inventory when consumer spending drops?



Bring your costs under control.



Where can you lower operational expenditure?



What cost cutting avenues are open to you?



MNP's Performance Improvement team are experts in delivering a multitude of holistic analyses tailored to the specific needs and circumstances of your business

Improving Operational Efficiency



Gaining efficiencies across the organisation will yield returns in your financial statements affecting a plethora of metrics, from productivity to margin. Its best to start this process as early as possible in order to move your business towards pole-position.



Are you getting the most out of invested capital?



Is your human capital performing as required?



What are the key productivity drivers and where is it falling short?



Can you achieve higher output per unit of labour without capital investment? You can begin by **conducting a analysis** of your current business operations to determine where value and opportunity lies.

Where can you simplify processes, strip out waste, improve quality and reduce cost without making significant equipment and/or personnel changes.

Use these findings to pinpoint key areas of influence where untapped efficiencies can be leveraged into bottom line improvements and margin gain.



At MNP our Performance Improvement team specialise in extracting all manner of productivity and efficiency gains throughout organisations from top to bottom.

Enhancing Cash Flow

As the economy slows, businesses can find themselves in a cash crunch. Not only could receivables be slower, suppliers could be requesting quicker payments and inventory becomes more difficult to convert.

The pandemic has moved businesses from a "just-in-time" model to a "just-in-case" model. This could create greater risk in a market slowdown and leads to cost conversions — or how long it takes to turn your inventory to cash. You might consider shelving items that take longer to sell and focusing on those that bring cash in quicker.

A supply chain evaluation can help you identify opportunities to shorten lead and "procure to sale" cycle times, which will improve your ability to convert cash quickly, carry less inventory, maximize margins, and ultimately minimize risk.



Cash flow planning will be critical moving forward.

Organizations with cash can pay off more debt as interest rates climb and hold high.



How can we help you?

At MNP, we provide a collaborative, cost-effective approach to doing business and personalized strategies to help organisations succeed.





Looking Ahead

Opportunities



Even in bleak market conditions, we can leverage the times to yield opportunity. And whilst we address the concerns of the day, we can plan for the future.



Stay Calibrated

When downturns hit the normal response is to cut, cut, cut. However the decisions we make towards the future in these conditions are just as important as those we take to react to them. Profit margins can take a hit, very quickly, which makes anything but cutting a difficult pill to swallow. Keeping the calibration between the two approaches is paramount to ensure you are in the best possible position once market conditions improve.



As businesses emerge from recessions or periods of economic uncertainty, there are often opportunities for those seeking to grow through acquisitions and those looking to exit. Those that are struggling because they couldn't make changes, cut costs and manage cash flow may provide strategic merger opportunities at a discounted price.





Market Share

A prepared business may find itself in a position to capture market share and grow through consolidation. You can also enjoy competitive advantages if you can predict what products / services will take off, focus on higher margins, and improve cash conversion.



Similarly, knowing other firms may be looking to acquire, this is a good time for those considering an exit to conduct a readiness study. The assessment will identify and inform a stepwise plan to eliminate any value inhibitors prior to putting the business on the market. You've worked hard to build your business. This or a similarly structured process will help you "stage it for sale" and maximize the return on your investment.



MNP's Financing and Consulting Service Lines are perfectly positioned to help you take advantage of any opportunities that can be unearthed.

Opportunities Cont.



Even in bleak market conditions, we can leverage the times to yield opportunity. And whilst we address the concerns of the day, we can plan for the future.



Talent Acquisition

Depending on how a soft market impacts your business area of influence, talent pipelines can open up as other companies begin lay-offs and engage in hiring freezes. Securing top talent at this stage of the business cycle can position you well as the conditions improve. It also offers an avenue to address difficulties with the labour shortage in Canada.



The change in market conditions may force you to re-evaluate how you want to do business in the future. In particular what products and services you offer. This may require a modification to the skillsets of your employees. Perhaps you have acquired automation on the cheap and now you need technical personnel to deal with its own unique challenges. Expanding the skillset of your workforce will yield gains in flexibility moving through and out of a recession.







Our Offering To You

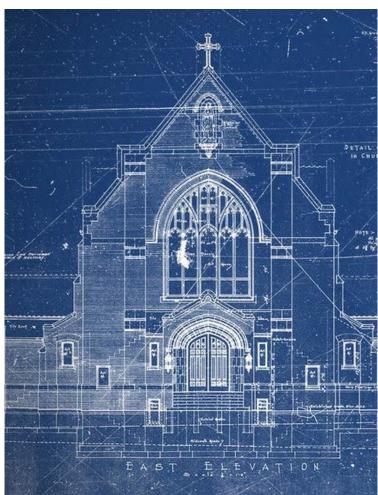
Industries are complex. To be a leader you need to be at the forefront, anticipating and adapting to innovations, economic shifts, market trends and evolving legislation. That's why we continually invest our time and resources into fully understanding the key industry segments our clients operate in. This allows us to provide in-depth insights and tailored solutions to help our clients succeed in a diverse range of sectors



BUSINESS PLANNING PRODUCTIVITY: OPERATIONALIZING YOUR STRATEGY



Business Process Design





The Management Operating System (MOS) is the mechanism for how an organisation translates corporate goals into actions where the work is performed. How are your strategic goals operationalized?



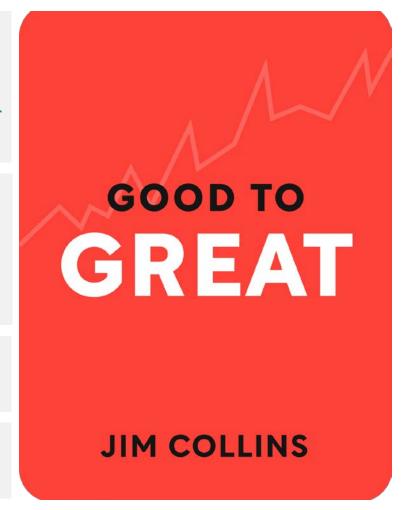
A properly structured MOS allows organizations to better control and predict routines, organizational effectiveness, driving higher outcomes in customer service, quality, and cost.



Does your MOS support the needs of the current business and future growth?

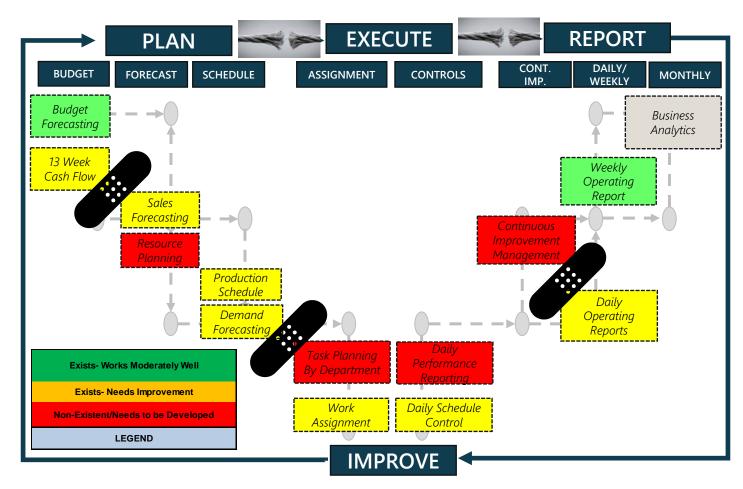


Freeing up your best people to help them lead better and in a more focussed manner





Business Architecture



Most importantly, the Operating Model provides a structure and playbook that provides an organization repeatability regardless of who is in the leadership roles. This drastically increases the enterprise value.

The purpose of the Management Operating System (MOS) is to improve an organization's ability to:

- Effectively manage resources.
- Effectively identify and develop solutions to problems.
- Measure and improve results using indicators such as productivity, quality, attainment & throughput.
- Use historical information to develop and maintain long term planning of finances, and resources such as labour, materials, and equipment.
- Effectively communicate information between managers and supervisors and between departments.
- Effectively schedule and assign work.
- Encourage the identification of methods improvements and their effective installations.



Driving Capacity Improvements

How to grow amidst a skilled labor shortage?

How to grow your profitability by 20%?



Theory of Constraints Explained

- In every process, there is a constraint.
- Depending on the nature of the process, the constraint can be easy or very hard to identify.
- In a manufacturing environment, the constraint is the slowest producing process step.

A process can only produce at the rate of the constraint.

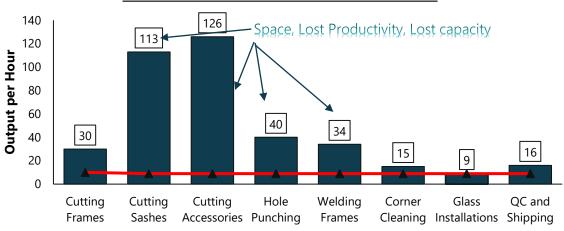
- The constraint here is "Glass Installations" step. The organization can only produce at 9 windows/hour regardless of how efficient the other processes are.
- However, if they are able to reduce the amount of Non-Value Add time spent in the department, a throughput of 16 windows/hour can be realized.

Actual Output: 9 windows/Hour

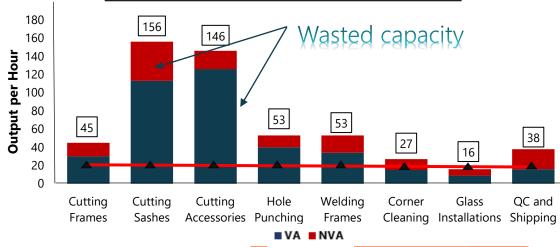
Theoretical Output: 16 windows/Hour



Actual Windows Produced Per Hour



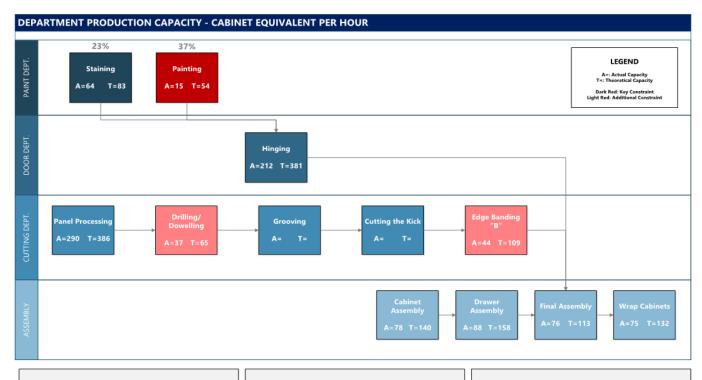
Theoretical Windows Produced Per Hour





Scheduling & Rated Capacities — An Example From The Industry





The measure of actual capacity in each department shows that Painting is the overall process constraint, as well as Drilling/Dowelling, and Edge Banding.

Due to the constraints in these areas, the total process output can not exceed 25-38 cabinets per hour.

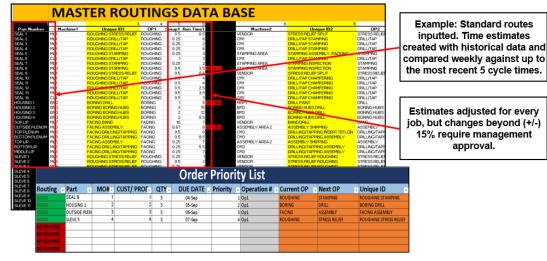
Actual capacity was calculated using a combination of historical data from sequence, management estimates, and time studies performed by MNP while on site. All production output was converted to cabinets per hour by normalizing output into its cabinet equivalent. A cabinet equivalent is calculated as: production output / output required per cabinet.

Theoretical capacity was calculated using actual capacity and the observed NVA time per department. The theoretical capacity represents the total production output possible if all NVA time in the process is recaptured. Therefore the theoretical capacity represents the upper limit of output possible in the department, without major capital expenditures.

Using Math to understand where your theoretical and actual bottlenecks are. This changes with product mix.

This data should be linked to a production schedule to smoothen out the ebbs and flows.

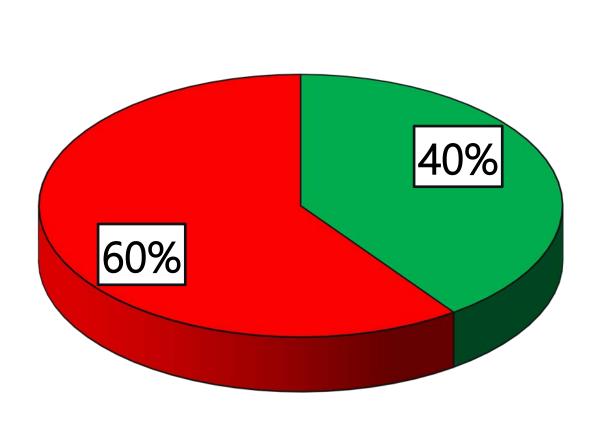
Using the determined rated capacities in conjunction with customer deadlines, we will develop a work routing algorithm that alleviates your constrained workstations and ensures schedule attainment.

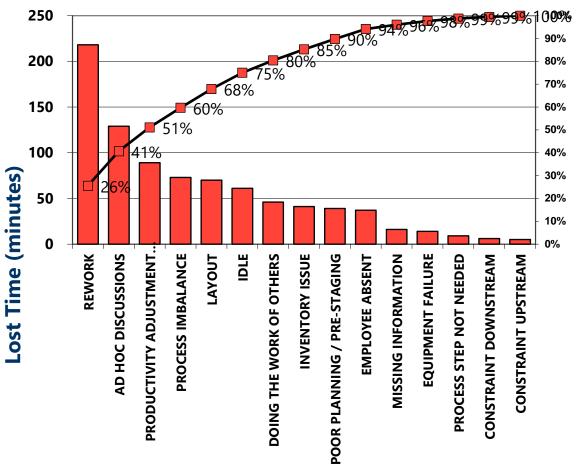


Total Observed Lost Time



Labour Productivity Assessment





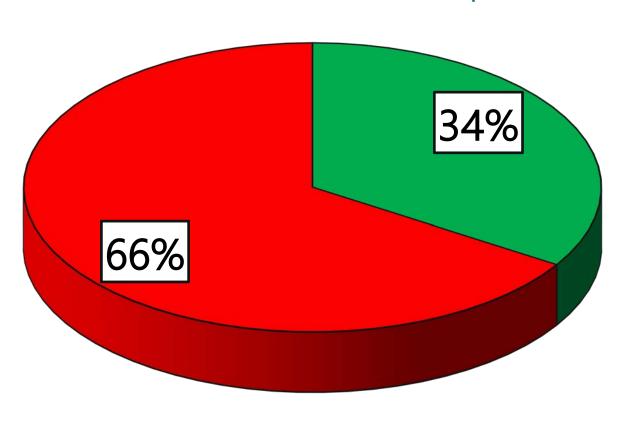
- Value-Added Activities
- Non Value-Added Activities

% of Total Lost

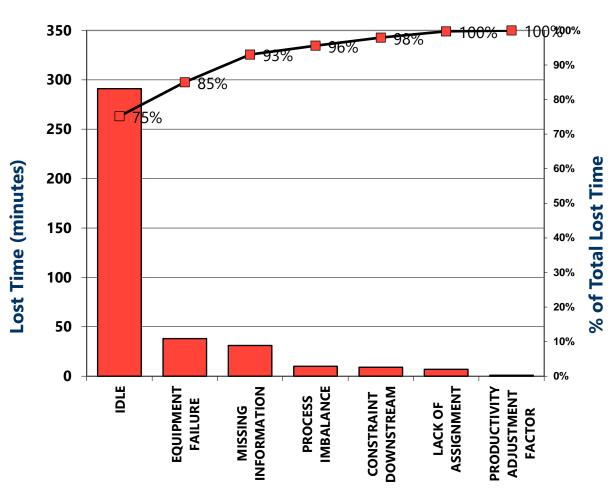
Total Observed Lost Time



Capital Productivity Assessment









Planning and Scheduling

Once the bottlenecks are identified, data can be linked to the schedule to smoothen out the ebbs and flows.



Key scheduling considerations:

Resource (staff) allocation

Product mix

Work order prioritization

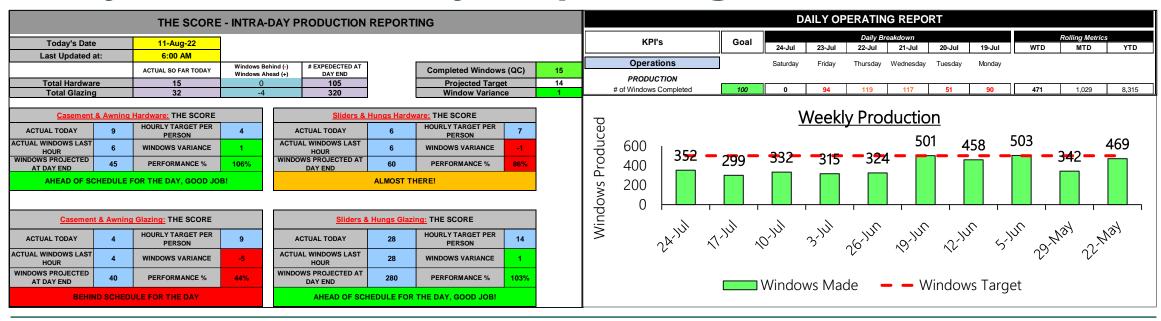
Training constraints

Space constraints

Material availability



Daily and Intra-Day Reporting





The Intra-Day Production Reporting is a dashboard system designed to track, summarize and display intraday performance metrics.



Staff are continuously aware of their output and typically push to "see the green".



Supervisors can manage by exception, meaning the time they spent touring the floor is focused and generates higher value.



Results are then published via the Daily Operating Report.

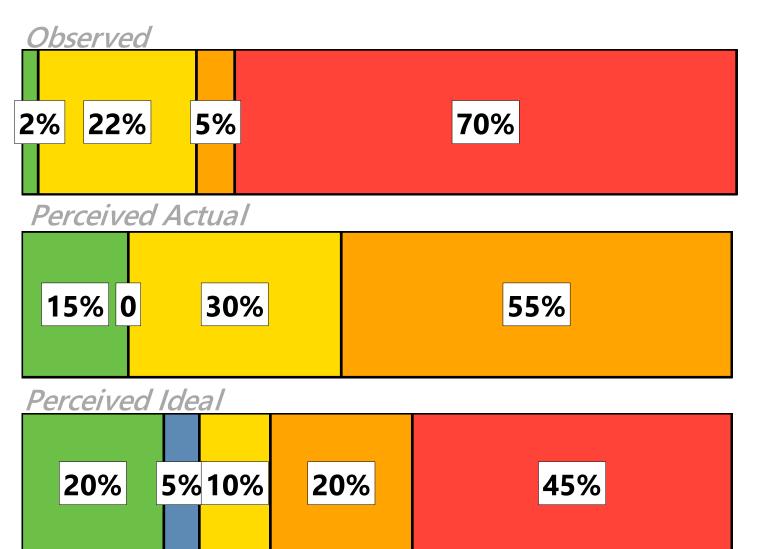


Trends and performance is tracked to ensure that production is meeting their targets.

Front Line Leader



Behaviour Profile



Supervisors typically do not have the performance measurement tools required to manage the production departments and staff appropriately.

Great supervisors have "unconscious competence" but you cannot scale.

Active Management					
Training					
Value Added Admin					
Process Activity					
Available to Manage					



Supervisory Tour Checklist

SUPERVISORY TOUR CHECKLIST								
RESPONSIBIL	TY: SUPERVISOR SUPERVISOR NAME:	OK CHE	CKLIST					
1,251 51151512	SI GITSISIET I. SOI ERVISOR SUFERVISOR IMPIRE.				Initial when complete:			
	COMMUNICATION:	6:00 AM	8:30 AM	10:30 AM	12:30 PM	2:30 PM	COMMENTS:	
PRE-SHIFT STARTUP	Check production and crewing schedule. Communicate to work centers who we are anticipating having challenges today and / or are bottlenecked [BOTTLNECK ID AND COMMUNICATION] Quality Spot Check of inbound receiving [REVIEW 1 BATCH]							
Plant	Is each station following the production schedule? What are their reasons for variance? [AUDIT AND FEEDBACK]							
	Has the lead operator completed their Process Control form ? Is the lead operator motivating and communicating actual output last hour with the team? [AUDIT & FEEDBACK]							
	Spot Check. Are the Operators working to standard? What is one thing they can do to improve their productivity? Do a 1 minute observation. [OBSERVE AND FEEDBACK]							
	Is the Work Centre Organized , are all the tools and consumables available to the operators? [AUDIT AND RESOLVE] How can we get 2 more windows out? [ID AND COMMUNICATE]							
TRAINING	ID one person that you will train on your tour. Provide coaching on one of the following items: quality, efficiency, safety, process technique/change. [ID and FEEDBACK]							
	Spot Check one window from each area. Are there any damages/mistakes that need to be addressed? [AUDIT AND FEEDBACK]							
QUALITY	Review Process Control form. Are there any quality issue callouts from downstream that need to be addressed? [AUDIT AND FEEDBACK]							
	Are there any pieces with quality issues? Do we have the full order being processed? [AUDIT AND COMMUNICATE]							
	Expedited orders. What orders do we have that are outstanding that are missing windows? [AUDIT AND FEEDBACK]							
END OF SHIFT CHECKS	Review Actual vs Target windows produced. What were the main 3 challenges faced on the shift? What steps can be taken to avoid them in the future? [ID AND COMMUNICATION]							
	Recognize one person that went above and beyond today. And thank them for their work [ID AND FEEDBACK]							
	Look at the production schedule and identify what items are outstanding and needs to be prioritized for tomorrow. [ID AND COMMUNICATION]							
SAFETY CONCERNS								
MNTCE ISSUES								
NOTES / ORG. REQS								



The purpose of the Supervisory Tour is to structure a supervisor's daily tasks.



If a supervisor/manager does not have structure to their day, it usually fills with firefighting issues.



The Supervisory Tour supports the supervisor's **proactive** team management and catches issues before they occur



How Can We Help?

Unlock Your Businesses Full Potential

- Are you looking at improving the effectiveness of your organisation?
- Perhaps you want to find ways to reduce costs and improve margin.
- Maybe you are exploring a sale and want to maximise enterprise value.

MNP's Performance Improvement and Value **Creation consulting services** are here to help.

A Sample Of Our Offerings



Conduct a deep-dive analysis across your business to identify opportunities to improve both the revenue and cost sides of the income statement



Program **Implementation**

Develop and implement actionable solutions to address your core performance challenges



We help align your supply chain with your strategic goals, optimizing the key drivers that allow you to create and deliver on your products and services



We offer uniquely well-rounded services from strategic advice to detailed implementation, ensuring you achieve your desired outcomes.



Operational **Effectiveness**

Optimize your organizations operational footprint by enhancing quality, productivity, reducing complexity and lowering costs.

Typical Outcomes



Improved Financial Stability and Predictability



Eliminate barriers to growth & competition



Solve complex business challenges



Project management and Strategic planning





Contact a Member of Our Performance Improvement Team



Yohaan Thommy, LSSBB, PMP,CMC, is a Partner with MNP and leads the firm's performance improvement practice nationally.

Email: Yohaan.Thommy@mnp.ca









Q&A

Yohaan Thommy, PMP, LSSBB, CMC

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Partner & National Leader of Value Creation



Take our Manufacturing Operational Health Check







What our clients have to say about our work:

Scan QR Code for Video



