

# MANUFACTURING NEWS

A newsletter brought to you by the Business Excellence Group

Updates for the Manufacturing Community

10.25.2021



The Business Excellence Group



Space, Materials, and an Efficient Factory



2022 Strategic Planning Time



How to Do More with Data



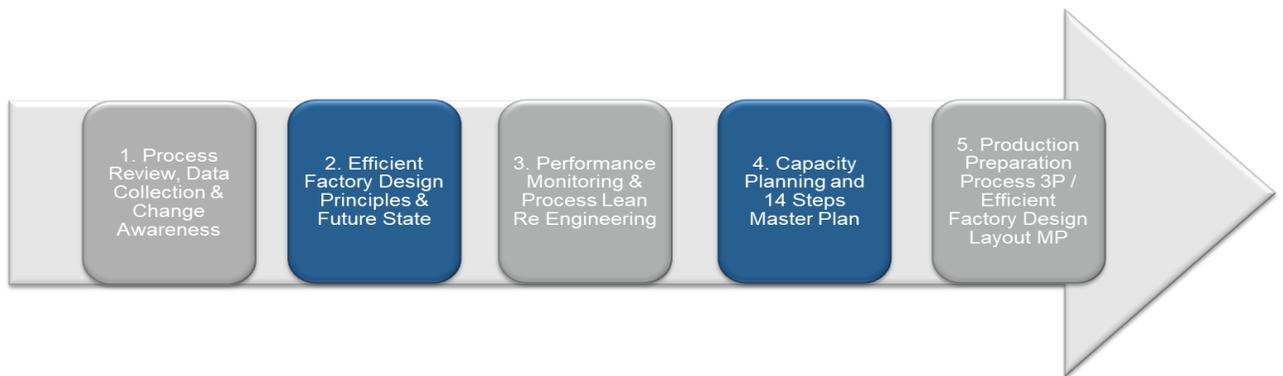
Meet the Expert

## The Business Excellence Group

Each of us have grown up around manufacturing and have spent the majority of our careers working directly in the industry. Our true passion is to serve the people who work in manufacturing today. The people who have created a career in manufacturing have several things in common, they like building tangible things with their hands, and they are good at finding and fixing problems. This runs in their DNA and it runs in ours. Which is why we have built the methods and tools that help optimize organizations to achieve their company's goals and to make each person's job a little easier.

## Space, Materials, and an Efficient Factory

As organizations grow, they need to manage the necessary space requirements, the availability of raw materials, and new investments in equipment and automation. When companies choose to make these large improvements, they need to do a thorough analysis to make sure they make knowledgeable decisions, manage cashflow, and minimize debt. That is why we have created a program that analyzes the facility layout, the materials flow, and the capacity for production with a headcount model.



### Efficient Factory Design in 14 Steps:

- Step #1: Forecast Demand Analysis
- Step #2: Demand Volume and Mix Weekly Requirements
- Step #3: Process Flow Diagram
- Step #4: Product Definition and Process Mapping Analysis
- Step #5: Capacity by Process Calculations
- Step #6: Labor Standard Times
- Step #7: Head Count and Work Station Calculations
- Step #8: Conceptual Layout
- Step #9: Line Balancing Chart
- Step #10: Support Services CAPEX
- Step #11: 3P Event—Layout Proposals
- Step #12: Layout Evaluation
- Step #13: Layout Costing
- Step #14: Master Plan Assumptions

### An Efficient Factory will:

1. Optimize your workflow
2. Reduce expensive inventory levels
3. Eliminate non-value-added steps in your production process
4. Avoid overstaffing and overproduction
5. Shorten lead times and reduce customer wait times
6. Create a clean, safe, "showcase" work environment
7. Build a strong foundation for continuous improvement
8. Reduce costs associated with rework, scrap, and equipment downtime
9. Develop standardized, best-method training guides for new employees
10. Provide consistent quality

Contact us if you would like to learn more. To watch a short video on the model [click here](#).

## It's that Time Again Plan Your Strategy for 2022!

No matter if it is a need for revenue growth, materials and supply chain management, or attracting and retaining talent our strategy program will help your leadership team develop a plan to deliver results to your company. We specialize in optimizing your organization and building a strategy to get the desired results. In our three day planning process we identify your company's competitive advantage, customer value proposition, and the strategic objectives that will optimize your company in 18 to 36 months. The outcomes are specific, measurable and will scale your company's capability. Don't wait for January like everyone else! Kick off 2022 with your plan ready to go for the new year!

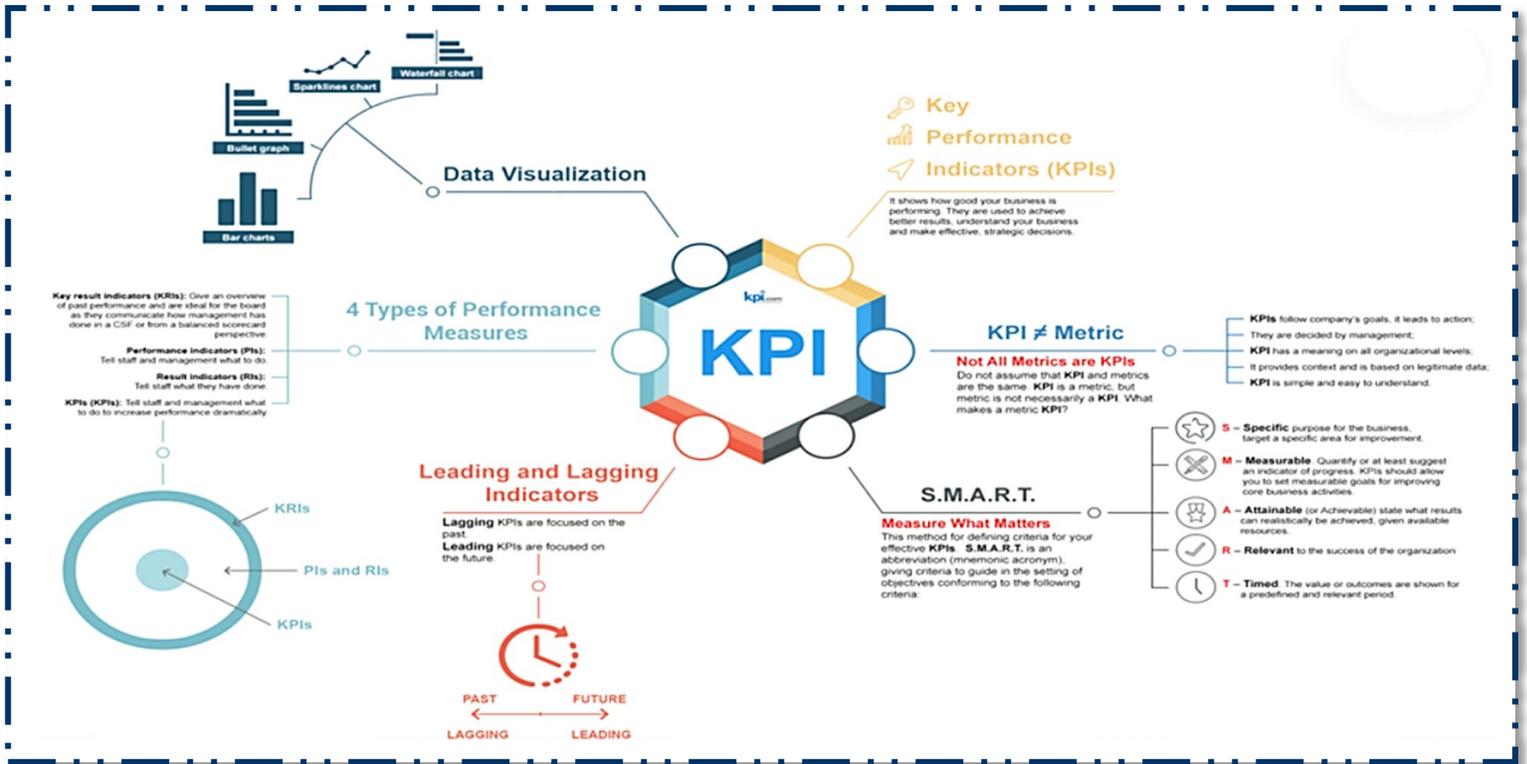


Adapted from the Burgelman Diamond Model

## Doing More with Data...

If you can't measure it, you can't improve it. Or as Deming said, "without data you are just another person with an opinion". Every business has data, the questions to ask are, is it the right data? What story is it telling? How do we improve using data? That is why we recommend the following tips:

- Step #1: Understand the business strategy and its requirements (objectives and metrics).
- Step #2: Define the value stream(s) and their objectives.
- Step #3: Define value stream measures.
- Step #4: Identify work teams/cells in the value stream(s), their objectives, and metrics.
- Step #5: Define non-production work teams' objectives and metrics.



Company metrics should waterfall from the company to the individual level. Leadership's role is to define, monitor, and manage both the results and the behaviors in the organization. The company metrics should waterfall down to the division or department level, which should flow down to the work teams and finally down to the individual. Once the metrics are set, it is the leadership's role to remove roadblocks and provide resources.

Click [here](#) to request a free business optimization assessment to help determine how you can fine tune your business's engine.

## Meet the Expert...

Alvaro Espinosa has over 25 years of experience in manufacturing and business management. He has brought over 80 products to market globally. Alvaro has led more than 100 production line designs and led over 500 kaizen events in 20 countries. Alvaro is an electrical engineer with business and finance master's degrees, certified in Six Sigma Black Belt and Lean manufacturing methodologies. Alvaro holds five patents in Mexico and the US.



aka the "Customer Experience Officer". He is always making sure the customer's goals are our #1 priority!

The Business Excellence Group partners with manufacturers to optimize their operations and help them achieve their strategy. Contact us anytime at: [sumer@thebizxgroup.com](mailto:sumer@thebizxgroup.com) or 303.981.2144 OR [shane@thebizxgroup.com](mailto:shane@thebizxgroup.com) or 505.301.0091

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