

HOW TO SUCCESSFULLY:

IMPLEMENT A MES/QMS SYSTEM

BY

Bluestreak | **Bright AM™**
MES/QMS | Additive Manufacturing
Manufacturing Execution + Quality Management System

IT'S TIME FOR IMPLEMENTATION, BUT... ARE YOU READY?

There is a 'formula' for successful implementations. There is a way the best of the best approach their work and craft; that differentiates themselves from others. This formula is predictable, repeatable and simple to understand. But it's a process and it requires initiative, dedication, and a 'get it done' mindset. You cannot rush into a MES implementation. Take the time to investigate, ask questions, get feedback from your internal team, learn what it's going to take to complete such a demanding project. Is it going to be worth the effort? What needs to happen for the MES/QMS system to resolve current limitations and positively affect the bottom line?

Don't leave
success to chance.
Plan for it and
execute accordingly.

Success should be/must be embraced by all parties alike. By working in the way we suggest, you are better equipped and better skilled to get you and your organization to project completion as quickly and productively as possible. However, you are not alone in this grand exercise. Your MES provider must be equally involved and all about your success!

It behooves the MES provider to keep you focused throughout the process of implementation by well thought out, detailed and planned steps. Within the initial core concerns of the implementation, we advise the client to:

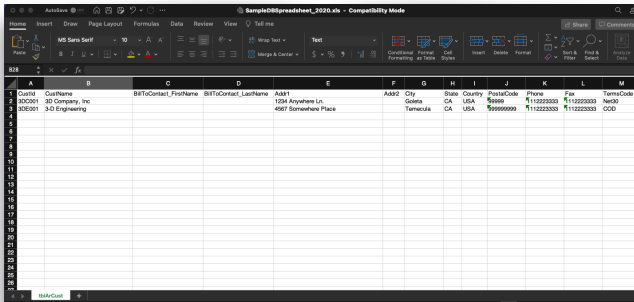


- ⦿
Build an implementation Project Team - establish what human resources are going to be used and how you will cover their potential/partial absence from their normal responsibilities. Think front office, plant floor, supervision, accounting, quality, or more;

- ⦿
Become familiar with the provider's implementation Project Plan, which is a detailed guide and will be closely monitored to promote a 'culture of success' with frequent communication; from pre-implementation to post-implementation product support;

	8123 Main Street 12345 Gateway South West, CA 98800	PH: 555-555-5555 FX:	Order/Quote No. 555
INFORMATION: BLUESHIFT™			
Customer ID: 555	Order No: 2012	Requested Date:	Entered By:
Project Name:	Project Description:		Invoice City:
Business Unit: Blueshift MES			
Processing Method: EXAMPLE			
Process: Blueshift Implementation - Customer Hosted		Description: Project plan for a Customer hosted Blueshift implementation	
Applicable Specs:			
Process Step/ Milestone:			
Pre-Install Professional Service (2000) - Used to connect quoted operational priority to the project to facilitate invoicing.			
Invoice method, without Tax (2000) - Invoice percentage required by the contract			
Launch & Onsite Meeting (2000) - Walk-off the project and requirements gathering with the client or on-site if necessary.			
Data Questions:			
1. Do files get archived first?			
2. How will the existing system handling files (TOD)?			
3. How do all of the primary connections look about an archive within 30 minutes?			
4. How do all of the secondary connections look about an archive within 30 minutes?			
5. How do all of the other connections look about an archive within 30 minutes?			
Planning for Blueshift Implementation (2000) - Plan the implementation. Go over Data Migration requirements, Server Configuration, Upload the Project back order in Blueshift.			
Data Questions:			
1. Data Migration Requirements completed yet?			
2. Server Requirements reviewed and customer tested setup?			
3. Is the project plan modified for customer's needs?			
Project Kick-Off (2000) - Used to receive within sign-off, attend in Proj. Mgr. Project Plan.			
Data Questions:			
1. Sign-off also signed off by owner?			

- **Know what data you desire to be migrated,** where that data is currently housed, how easily retrievable that data is, and that the data will be thoroughly reviewed and scrubbed of all pertinent inaccuracies, duplications, or incompleteness, formatted and ready for exporting. You want to begin this project with clean data;



Client	Contact	Address	State	Country	Phone	Fax	TimeZone
000001	3B Company, Inc	1234 Anywhere Ln	GA	USA	800555	8112223333	NorESt
000002	3D Engineering	4567 Somewhere Place	CA	USA	8005555555	8112223333	CDT

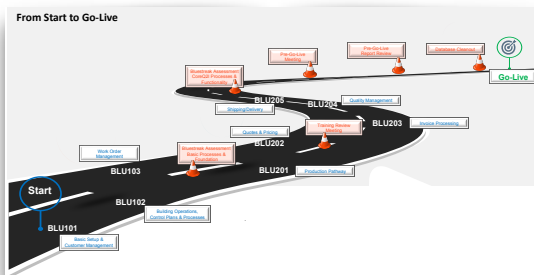
- **Determine software system environment** - will MES software be installed and run from the Cloud or as a part of your own internal server;
- **Focus on internal Change Management.** Let's be clear on this point - managing change within your organization is paramount. A project of this magnitude requires top-down buy-in and adherence;

IDEALLY, YOUR MANAGEMENT TEAM WILL HAVE A COMPLETE AND FOCUSED RESILIENCE TO DRIVE THIS PROJECT THROUGHOUT THE ORGANIZATION. THE CHANGE MUST COME FROM THE TOP AND BE SUPPORTED BY THE TOP. IF NEED BE, FORMALIZE THE CHANGE INTO A PLAN, TO MINIMIZE RESISTANCE AND HELP EVERYONE IN THE COMPANY TO EMBRACE THE CHANGE.

- It's also time to **standardize and evaluate your workflow and processes.** In addition to the cleansing of the raw data we mentioned earlier, it is also a prime time to review the organization's workflow and all of your processes, by following today's best practices - not because you've always done it that way.



- Follow a **'roadmap' of training tasks** that give the project definable shape and form from concept to completion - easily seen and understood by all;





Have a focus on complete and thorough training - when the implementation is over, you the customer will attest that going ‘live’ becomes a non-event


Core Q21 Processes & Functionality		
BLU102-Building Operations, Processes & Control Plans	BLU103-Work Order Management Basics	BLU201-Production Pathway
<p>Delivery Method: Virtual Instructor-Led (VILT) Duration: 1.5 Hrs. (2 Sessions) Skill Level: Basic Processes & Foundation Language: English</p> <p>Course Objective</p> <ul style="list-style-type: none"> Define and Set up Operations and review settings Define and Set up Processes Define and Set up Control Plans Explain Quality Characteristic Types Set up Equipment Set up Alloys (if applicable) <p>Audience</p> <p>Key Functional Users, Quality, Power Users, Admin Champions</p> <p>Prerequisites</p> <ul style="list-style-type: none"> BLU101 Basic Setup & Customer Management 	<p>Delivery Method: Virtual Learning (VILT) Duration: 1.5 Hrs. (2 Sessions) Skill Level: Basic Processes & Foundation Language: English</p> <p>Course Objectives</p> <ul style="list-style-type: none"> Understand the Work Flow at a Work Order Identify the various functional areas of the Work Order Create a Rapid Add Work Order Manage Work Orders Search for Work Orders Define Data Fields on a Work Order Review Data Default Settings <p>Audience</p> <p>Key Functional Users, Admin Champions, Power Users responsible in Work Order Management</p> <p>Prerequisites</p> <ul style="list-style-type: none"> BLU102-1 Operations, Processes & Control Plans BLU102-2 Operations, Processes & Control Plans 	<p>Delivery Method: Virtual Led Learning (VILT) Duration: 1.5 Hrs. (2 Sessions) Skill Level: Intermediate Language: English</p> <p>Course Objective</p> <ul style="list-style-type: none"> General Overview of Production Pathway module Setup Production Pathway interface Equipment setup and work center relationships How ship floor tracking works How to record direct & indirect labor Create a trackable Work Order <p>Audience</p> <p>Admin Champions/System Mgr, Key Functional users responsible in Production, Quality, Shop Floor Management are encouraged in participating in this course.</p> <p>Prerequisites</p> <p>Basic Processes & Foundation Series</p>



Make sure all training sessions are recorded and saved for future review or onboarding of new staff.



Be sure your MES supplier provides support and partnership every day, both before and after ‘Go-Live’ – you should not be left alone to make the system continue to work for you.




SUCCESS is not a puzzle!

Under the guidance of our knowledgeable and skilled project managers and in accordance with the Success Support framework:

- ★ Risks are minimized
- ★ Implementations are controlled and predictable
- ★ Complexity is reduced and every phase is made fully transparent
- ★ Customers experience an accelerated time to value

While every customer and project is different, Success Support provides a methodology that ensures successful implementation every time.

And although implementations are a journey - the Bluestreak™ project team knows the way. We've been down this path before...



At Bluestreak™, we embrace the journey. By virtue of working in the way we do, we are better equipped and better skilled so that we are able to provide exceptional Success Support to every implementation. Every time - all the time. It is about your Success!

PROLOGUE

Technology advancements, like MES software, do not have to be complicated. Modern solutions peel back the complexity, and bring real advantages to businesses at many levels.

Here's a question; What must happen to realize the power of such a solution – “to create a system and process to master the fundamentals?” It certainly won't drive itself. The answer lies in the engagement of your company's MES users, and the way the business organizes itself (and it's culture) to realize the huge benefits — both financially and operationally — through the implementation of a set of best practices, specifically tailored around the solution.



ONE FINAL WORD

And that word has to do with limitations. Now, technology solutions are quite effective. However, as Eli Goldratt* pointed out, “technology is a necessary condition, but it’s not sufficient.” Technology is not the end-all. There’s more to a successful implementation than just technology.

We’ve learned that it is quite possible that each organization implementing MES will have to re-think the entire way they run their business. The MES (the new technology) was obtained so it would surpass an existing limitation. It actually defines that the organization has been living with an existing limitation for a while. So, we implement this new technology to address the limitation, however, the organization can continue to operate with old rules. The very rules that can assume the existence of the limitation. Therefore, those very rules impose a limitation. Thus, (to get the benefits of the new technology), the organization is required to change the rules that recognized the limitations that it replaced.

Truthfully, in spite of the challenges, you can experience the implementation becoming a very real and achievable prospect. That every day can feel better than the last as you gain the inevitable momentum. Driving towards a culture of actionable change, feeling like you can compete against your own in-house organizational targets and the marketplace alike. Having the ability to move the success needle and win in business ensures the MES technology solution becomes a mindset for success and efficiency rather than simply a software solution.

ABOUT BLUESTREAK

Designed specifically for the Service-Based Manufacturing industry, Bluestreak is a Manufacturing Execution System (MES) and Quality Management System (QMS) in one integrated solution, that ties quality management directly to individual operators on the production floor. With automated documentation that outside auditors require.

Bluestreak works well in various manufacturing verticals such as additive manufacturing, heat treating, powder coating, surface finishing, plating, laboratory management, and forge, etc. Can also interface with existing ERP/MRP systems.



MES/QMS SOFTWARE
CHANGING SERVICE-BASED MANUFACTURING

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