

Prepared for Games Workshop

Nulogy Implementation Methodology

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Nulogy Platform



SMART FACTORY SOLUTION

Production
Monitoring

Scheduling

Real Time OEE

Quality

Visual
Management

Task
Management



SHOP FLOOR SOLUTION

Warehouse
Management

Production
Management

Production
Scheduling

Material Planning
& Costing

Digital Quality
Inspections

Reporting



SUPPLIER COLLABORATION SOLUTION

Order
Collaboration

Inventory
Management

Forecast
Collaboration

Collaborative
Analytics

BOM
Management

Master Data
Management

Data as a Service
for Production



DATA SOLUTION
Powered by Snowflake



Data as a Service
for Collaboration

EDI Connections
API Connections



CONNECT SOLUTION



Workflow Automation
Notifications

Recommended Solution: Growth Plan Plus Connect; Smart Factory

The Growth plan provides an extended set of capabilities to help you plan and manage materials more effectively, optimise labour allocation, and ensure product quality. The Connect Solution is an additional add-on that will enable Games Workshop to integrate effectively with other applications.

Growth Plan includes:

- Costing
- Production Scheduling
- Materials Planning
- Warehouse Management
- Production Management
- Digital Quality Inspections
- Reporting



Costing



Production Scheduling



Materials Planning



Warehouse Management



Production Management



Digital Quality Inspections



*Set-up charge applies.

NULOGY'S CLIENT SERVICES TEAM

Nulogy's **Professional Services** team ensures that our solutions are implemented according to industry best practice business objectives and success criteria.

You'll have a dedicated **Customer Success Manager** who is your trusted advisor and advocate for continued success.



Nulogy's **Global Support** team offers immediate issue resolution on anything that keeps you from running at peak performance.

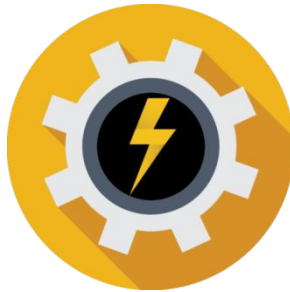
We provide **training and educational** tools to equip your team with best practices and enable proficiency within our solutions.

EDUCATION & TRAINING

We are the only software partner in the packaging industry that is this invested in our customers' success. With Nulogy University, your team will be equipped to drive your business forward, with:



**STANDARDISED
SERVICE DELIVERY**



**IMPROVED
PROFICIENCY &
PRODUCTIVITY OF
YOUR STAFF**



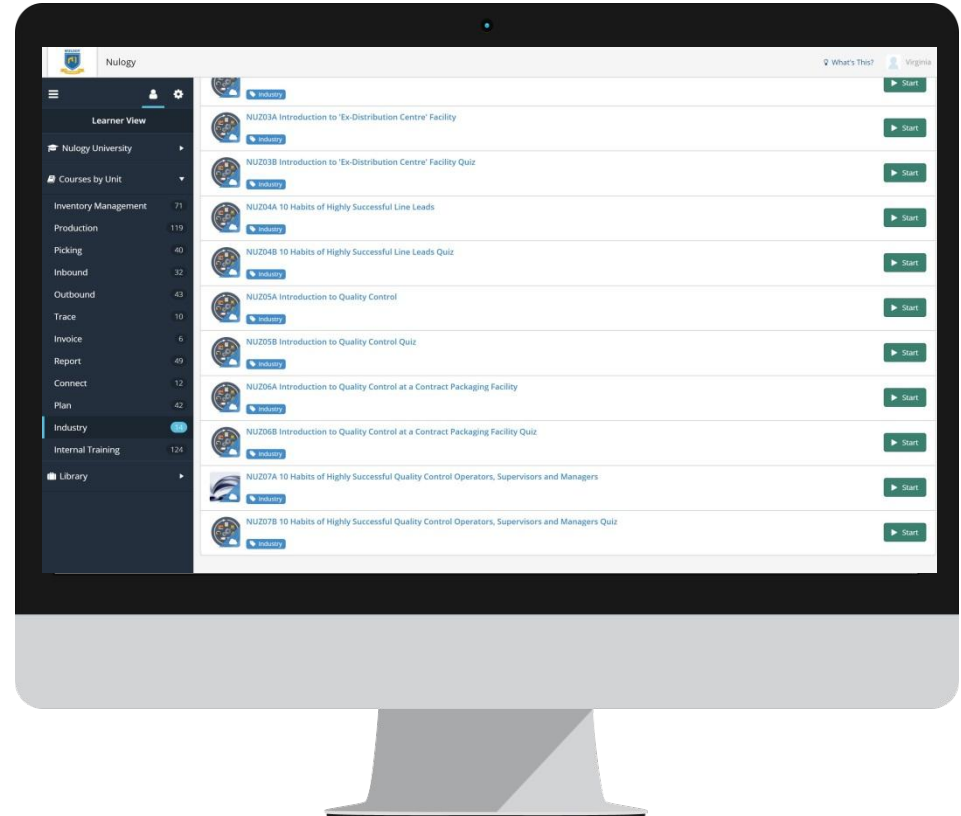
**FAST & EASY
ADOPTION OF NEW
FUNCTIONALITY**



**TRAINING
DOCUMENTATION
FOR EASY
COMPLIANCE**

Nulogy University: How It Works

- Employees complete training courses and quizzes as needed
- Report on and track learning progress
- Earn Nulogy University Certifications
- Upload your own training material



IMPLEMENTATION SERVICES: CONSULTING

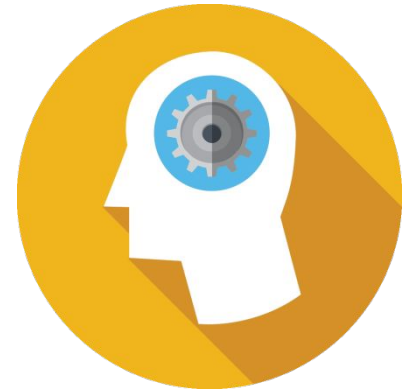
Need 1-on-1, in-person training? We offer Professional Services Consulting, carried out by an in-house team. Common engagements include:



**ONBOARDING A NEW SITE
WITH UNIQUE WORKFLOWS**



**IMPLEMENTING A
NEW MODULE**



**RETRAINING YOUR
STAFF / NEW STAFF**

GLOBAL SUPPORT

With 24/7 phone and email support, we offer the best customer satisfaction in the industry.



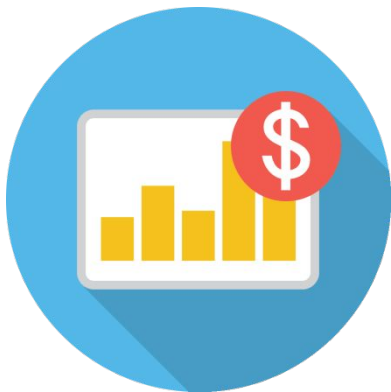
**24/7 PHONE AND EMAIL
SUPPORT FROM OUR
ENTHUSIASTIC TEAM**



**CUSTOMISED
HELPDESK PORTAL
WITH VIDEOS AND
ARTICLES.**

ONGOING ADVOCACY

HELPING YOUR BUSINESS GROW



Your CSM is a dedicated resource to assist you with strategic growth opportunities, like expanding production capacity or increasing business with key customers

ADOPTING BEST PRACTICES



Your CSM helps you adopt new features and functionality to drive business performance and growth.

SUCCESS PLANNING



Your CSM builds tailored success plans around your specific success criteria, and guides you through regular check-ins to ensure you are progressing.

3-PHASE IMPLEMENTATION

Nulogy's 3-phase implementation process ensures that this project is rolled out according to how you measure success.

Phase 1: Pre-Implementation



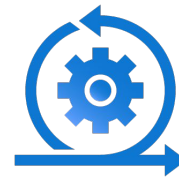
- Focused on your business objectives

Phase 2: Implementation



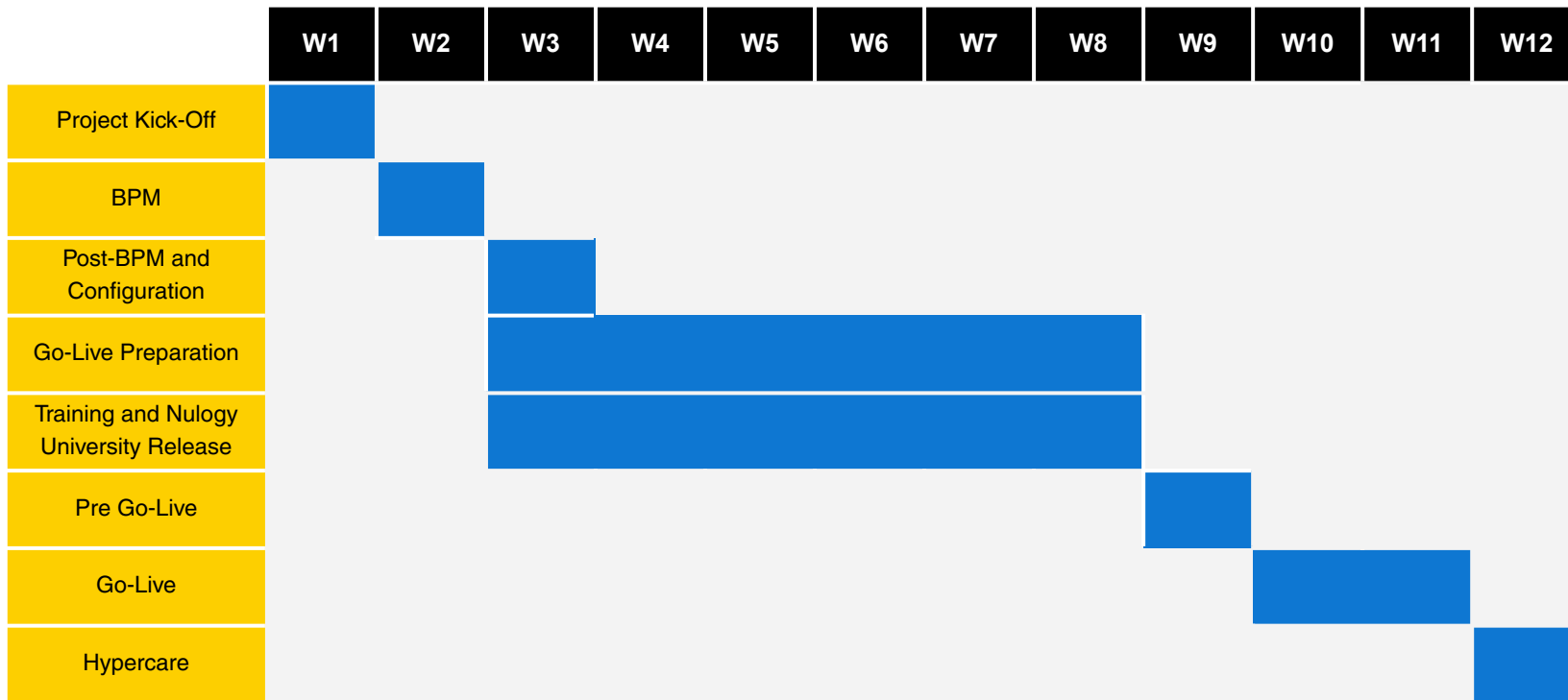
- Focused on getting your facility and team ready to go live

Phase 3: Post-Implementation

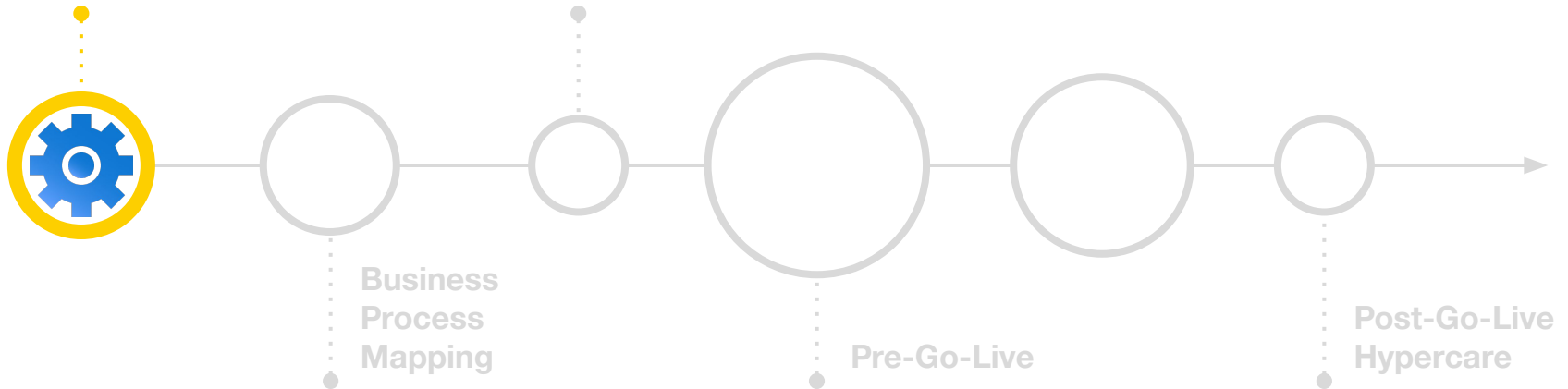


- Focused on your 30-60-90 day success

IMPLEMENTATION TIMELINE



IMPLEMENTATION: BPM



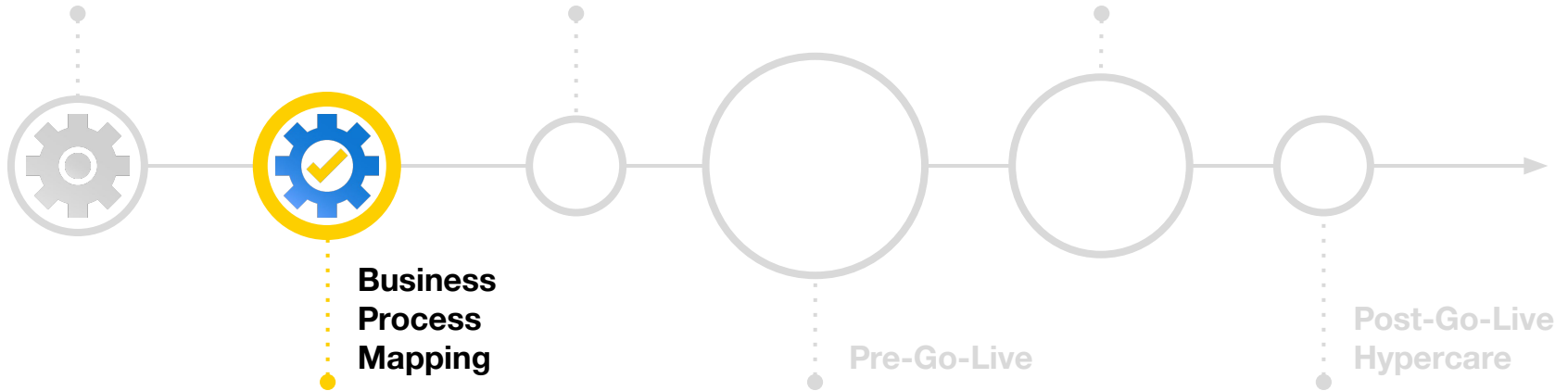
Nulogy Project Manager:

- Hosts a kick-off session with your Implementation Team
- Works with you to capture Success Criteria

Nulogy Implementation Team:

- Will review site details and documentation required for the BPM

IMPLEMENTATION: BPM

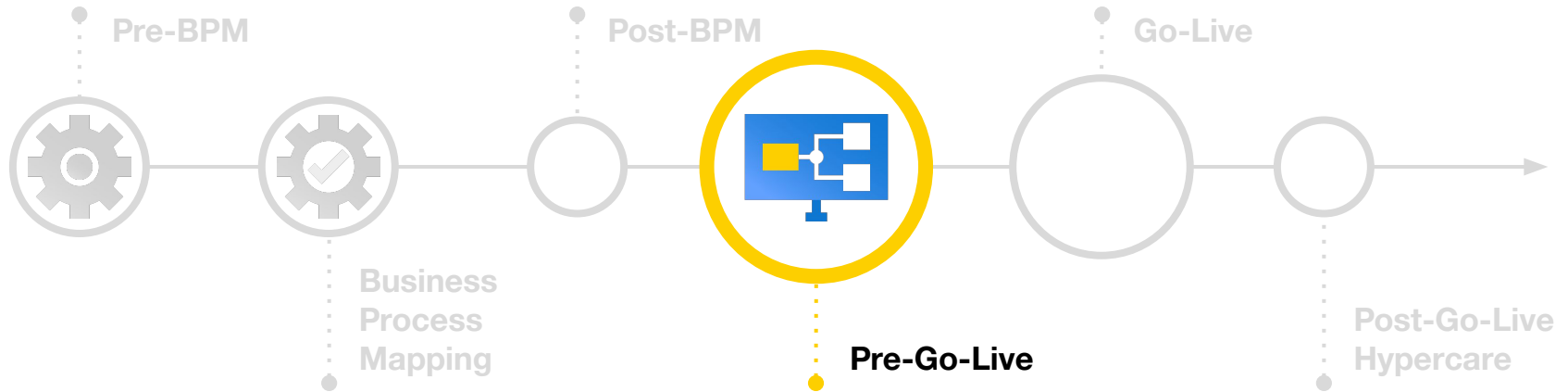


Nulogy Implementation Team:

- Conducts an end-to-end “Quote to Ship” analysis for your operational workflows
- Captures your site’s operational baseline data according to your success criteria

Duration: 3 Days On-Site

IMPLEMENTATION: PRE-GO-LIVE

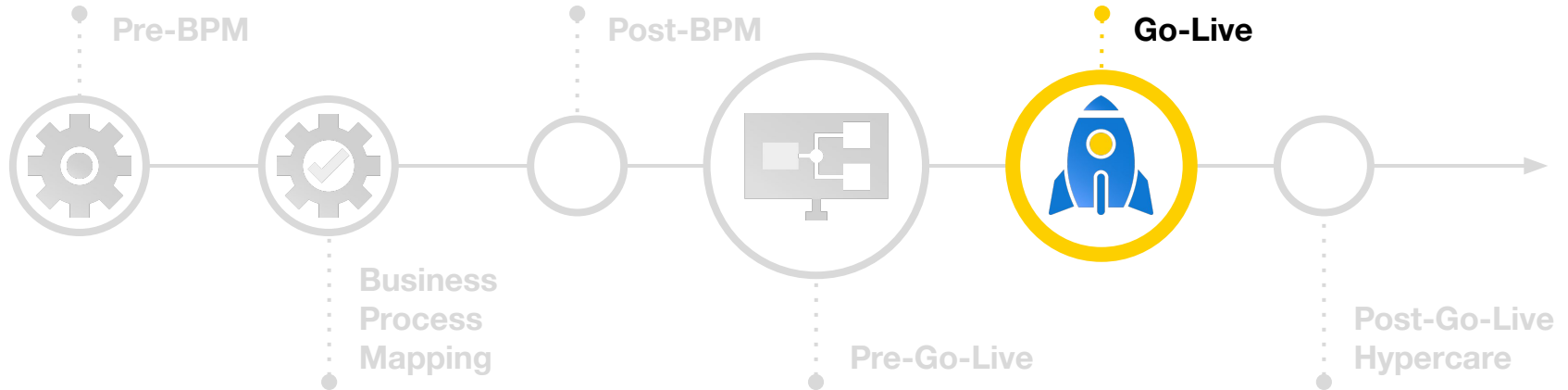


Nulogy Implementation Team:

- Creates a custom training program for your staff
- Creates a training environment for you to test workflows and functionality
- Prepares to assist you in migrating operational data into Nulogy and build SOPs for your team

Duration: 1.5 months

IMPLEMENTATION: GO-LIVE

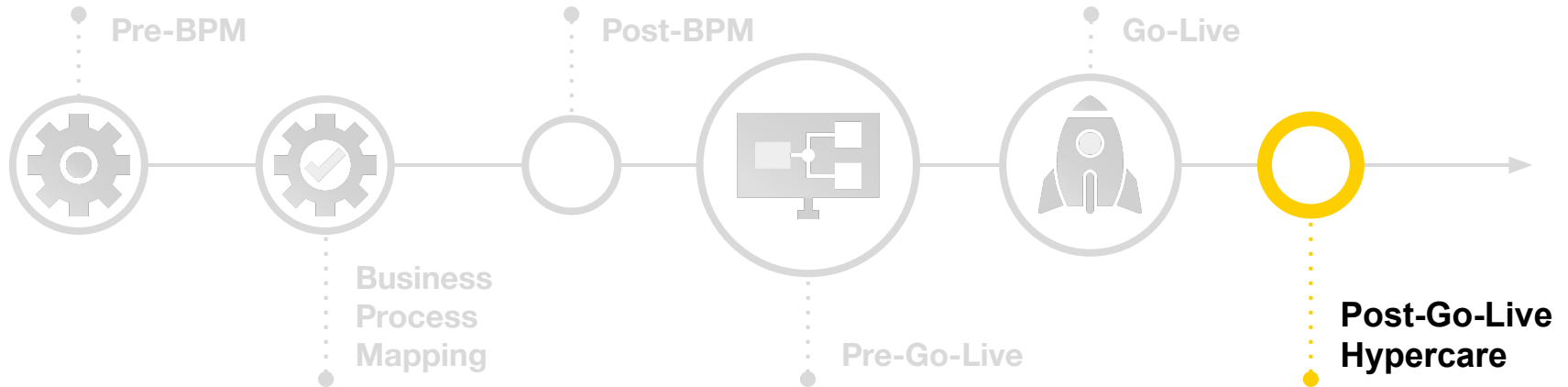


Nulogy Implementation Team

- On-site in-person and will assist you in live troubleshooting
- Works with you on-site shadowing, workflow optimisation, or change management necessary

Duration: 1.5-2 weeks

IMPLEMENTATION: GO-LIVE



Nulogy Implementation Team

- Works with site users and Super Users to close any open action items through regular daily hypercare calls
- Works with your team, your Nulogy Customer Success Manager, and Nulogy's Global Support team to ensure your operations are stable and that your team is set up for longtime success

Duration: 1 week

COMMON ISSUES

● Test for WiFi Issues

- Ensure you have adequate WiFi coverage across the production area and warehouse. Frequently, clients do not test the warehouse, which leads to issues with using the Nulogy Mobile functionality, subsequently impacting your inventory activities.

● Commit Time for Inventory Pallet Tagging

- Sites must allocate a full weekend ahead of Go-Live to tag every pallet in the warehouse. If this task is not completed, inventory accuracy will be impacted and subsequent issues will compound over time.

● Mitigate Master Data Issues

- In the best case scenario, the master data can be easily exported from an existing system. If this is not the case, however, all master data sources per customer should be identified ahead of the project.

● Sufficient Time

- Ensure that team members are allocated for sufficient time to execute on project tasks and will re-deploy work across your team if required to ensure timelines are met.

YOUR PROJECT TEAM

ROLE	RESPONSIBILITIES
Executive Sponsor	<ul style="list-style-type: none"> • Provide Games Workshop resources needed for a successful implementation. • Promote process changes and drive adoption.
Administrator	<ul style="list-style-type: none"> • Responsible for all configuration tasks and ongoing service administration. • Management of User Acceptance Testing (UAT) if necessary. • Coordinate and validate the correctness of data templates.
Project Prime	<ul style="list-style-type: none"> • Oversight of resources, schedules and deliverables. • Attending all key project meetings, acting as point of contact for all day-to-day project operations. Maintain and coordinate activities in relation to Project Plan and Action Log.
Business Process Owners	<ul style="list-style-type: none"> • Manage and influence change management activities with their teams, and drive decisions related to workflows, business process, and responsibilities transformed through this implementation. • Assist in design and validation of post-implementation workflows and SOPs, • Understanding and coordinating training. • Coordinate and validate the correctness of data templates.
Extended Team	<ul style="list-style-type: none"> • Additional resources to support the scope as needed e.g. trainers, data migrations specialists, procurement manager, IT resources, etc.

YOUR PROJECT PRIME

Responsibilities

- Main point of contact for Nulogy's Project Prime
- Attends weekly status meetings
- Assists with hardware acquisition and data migration
- Validates Workflow and Standard Operating Procedures (SOPs)
- Facilitates On-Site Training
- Facilitates On-Site Cycle Count
- Coordinates schedule to ensure that certified Super Users are available for each shift

YOUR SUPER USERS

Responsibilities

- Complete all assigned courses in Nulogy University
- Attend all remote training sessions with Nulogy
- Be knowledgeable regarding proposed implementation Workflow
- Assist in end user training during Go-Live
- Make process and corrective action decisions when the Project Prime is not available
- Support the success of your team

Device Requirements

Device	Supported Devices/OS	Nulogy Recommendations
Production Line Workstations	Laptop or desktop computer	It is recommended that a workstation set up includes a mobile cart equipped with a desktop computer and monitor, mouse, and keyboard, along with a USB scanner (short-range, either Bluetooth or corded) and printer, if necessary (e.g. for pallet tags). The mobile cart should have room for folders, pens, dockets, etc. Devices on workstations are typically powered by power drops from the ceiling. This minimises tripping hazards.
Tablets	iPad with the current iOS version	Nulogy recommends 1 tablet per on-duty forklift operator as well as 1 tablet per quality employee that will be filling out sheets in our Quality solution. Forklift tablets should be mounted to the forklift and each tablet needs a charger. Ideally, tablets should be outfitted with heavy-duty cases to protect against damages. Tablets are only supported for mobile warehousing
Scanners for workstations	Zebra General Purpose handheld scanner	Workstation scanners should be corded (not wireless) and in a fixed position that easily facilitates scanning of barcode IDs near the production line(s). A recommended Scanner is the Symbol LS2208.
Scanners for tablets	Zebra Ultra-Rugged Extended Range Wireless scanner	Scanners used for mobile warehousing are typically mounted on a forklift and connected to power. Long-range scanning capabilities are very important as they enable forklift operators to utilise the scanner as frequently as possible. Scanners need Bluetooth capabilities to pair with the tablet. A recommended scanner is the Zebra LI3678-ER

Smart Factory Implementation

Helping guarantee success and instilling **Getting to Green**

1. Training & Implementation

- Kick Off
- Remote Training
- Software Configuration
- Hardware Install
- 4 – 6 Weeks

2. On Site/Go Live

- Final Hardware Config
- Operator Training
- Go Live Support
- Reporting Config
- 1 Week On Site

3. Optimization & Adoption

- Embed Smart Factory
- Getting to Green
- Daily Meetings
- Issue Solving
- 1 Week On Site

4. Post Go-Live

- Weekly Meetings
 - Additional Configuration
 - 3 Weeks Remote
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Next Steps



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