



Mendix

Low code
for the Enterprise

Titan Consulting / Rapid App Werks



What we'll cover today

01

Introduction of Titan
Consulting/RapidAppWerks

02

What is Mendix

03

Modernize with Mendix

04

Deployment Options

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Use Cases

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Wrap up and next Steps



TITAN
CONSULTING

Established in 2001 by former SAP Executives, providing services to a customer base over 15 years of services and project implementations. Our SAP on-shore resources average over 20 years of experience across the SAP suite of solutions.

SAP Expertise covering the full lifecycle of managing enterprise applications

- New Projects
- Technical and Functional Upgrades
- Staff Augmentation
- Fractional Consulting
- Off-Shore/Near-Shore Development
- Application Managed Services (AMS)
- Fiori and Mobility Development



A Certified Partner



Established in 2019, Application development specialists with a focus on innovation with speed using Mendix. Comprised of a leadership team of former IT executives with over 20 years of SAP ERP and application development experience.



Digital Modernization



Full-Service IT Development and Support



Scalable Architecture



Cloud Native Architecture



Training and Enablement



Native App Development



Automation



Innovation

Our Partners



The pace of change has never
been this fast, yet it will never
again be this slow

The way we do business has fundamentally changed and so
must application development



QM Notification Application

- Customer service application to create Quality Notifications
- Integrated with SAP QM
- Delivery Search by Batch, Roll, Lane
- One step to create an SAP QM, Sales Return, Credit Order and outbound letter
- Attach documents, emails and pictures to link with SAP
- Simplifies the QM creation process to a single screen simplifying data entry and reducing errors



QM Notification

MX Notification: 41 **Draft**

Order Type
☐ Credit ☐ Return ☐ Neither

Defect

Malfunction Date

Customer Name Customer Defect Description

Batch with leading zeroes Roll/Carton Roll Lane

Complaint Quantity

Customer Complaint Number

Samples sent? ☐ Yes ☐ No Can customer scrap at location? ☐ Yes ☐ No

Pictures attached? ☐ Yes ☐ No Roll/Carton Number

[Partners](#) [Attachments](#) [QM Webform Comments](#)

[Save Draft](#) [Submit](#) [Close](#)

SAP Notification:
Ship To:
Material:
Reference Qty: 0.00
Sales Order:
Delivery:
Billing Document:
Sales Org:
Distribution Channel:
Division:
Plant:
Description:
Notification Comments:
No Roll/Carton
Created By: McCane, Mike
Created On: 3/3/2022, 1:21 PM

Attachments

Click here, or drop files here to upload.

	Amcor PPT Template.pptx Created: 3/3/2022, 2:48 PM Size: 476294 MB	
	Amcor.msg Created: 3/3/2022, 2:48 PM Size: 156160 MB	
	Meat-Fish-Seafood-THUMBNAIL.jpg Created: 3/3/2022, 4:06 PM Size: 26491 MB	

[Close](#)

Mendix is the leading low-code platform for enterprise to create, integrate, deploy, manage and iterate modern business applications at scale.



Visual modeling of
logic, data, and UX

230,000+
Developers



140+
Universities
9,000+
Students

Large, established
ecosystem of Mendix
developers

Gartner



Leader



FORRESTER®

Recognized Leader
by analysts

Deloitte.



Capgemini



Tencent

200+ Strategic
Partnerships

SIEMENS

4.6B R&D Budget





3,600+ Patents

5,000 Partners

Strengthened
by Siemens

What you can do with Mendix





Digitalize customer experiences

-  SaaS applications
-  Onboarding
-  B2C mobile app
-  Self-service portals

“From idea to workable product that you can demonstrate to a customer in a fortnight, is unheard of. And we can do that.”

BARRINGTON CLARKE / DEVOPS LEAD /
ZURICH INSURANCE





Automate business processes

-  Complex budget approvals
-  Incident Management
-  Plant maintenance
-  Logistics/shipping management

“The services that we have built using Mendix have already processed millions of transactions per month.”

PRAKASH INBASEKARAN / ENTERPRISE ARCHITECT / DUBAI
MUNICIPALITY

Modernize core systems

-  Mobile SAP Supply Chain
-  Smart Warehousing
-  Work order management
-  Lotus notes refresh

“Our 20-year old e-commerce solution had grown into a sizable monolith. To build a better application we needed better technology, so we brought Mendix in, which was fantastic for this kind of decomposition.”

MIROSLAV SAMOILENKO / DIRECTOR INTEGRATIONS
ARCHITECTURE / TRANE



Extend & Differentiate the Core with SAP Cloud Platform RAD by Mendix

mx

- ▶ Build applications the business needs 10x faster
- ▶ Keep the core “vanilla” with future proof extensions
- ▶ Leverage out-of-the box integrations with SAP ERP and LoB applications



SAP Solutions

SAP S/4HANA

SAP Concur



SAP SuccessFactors

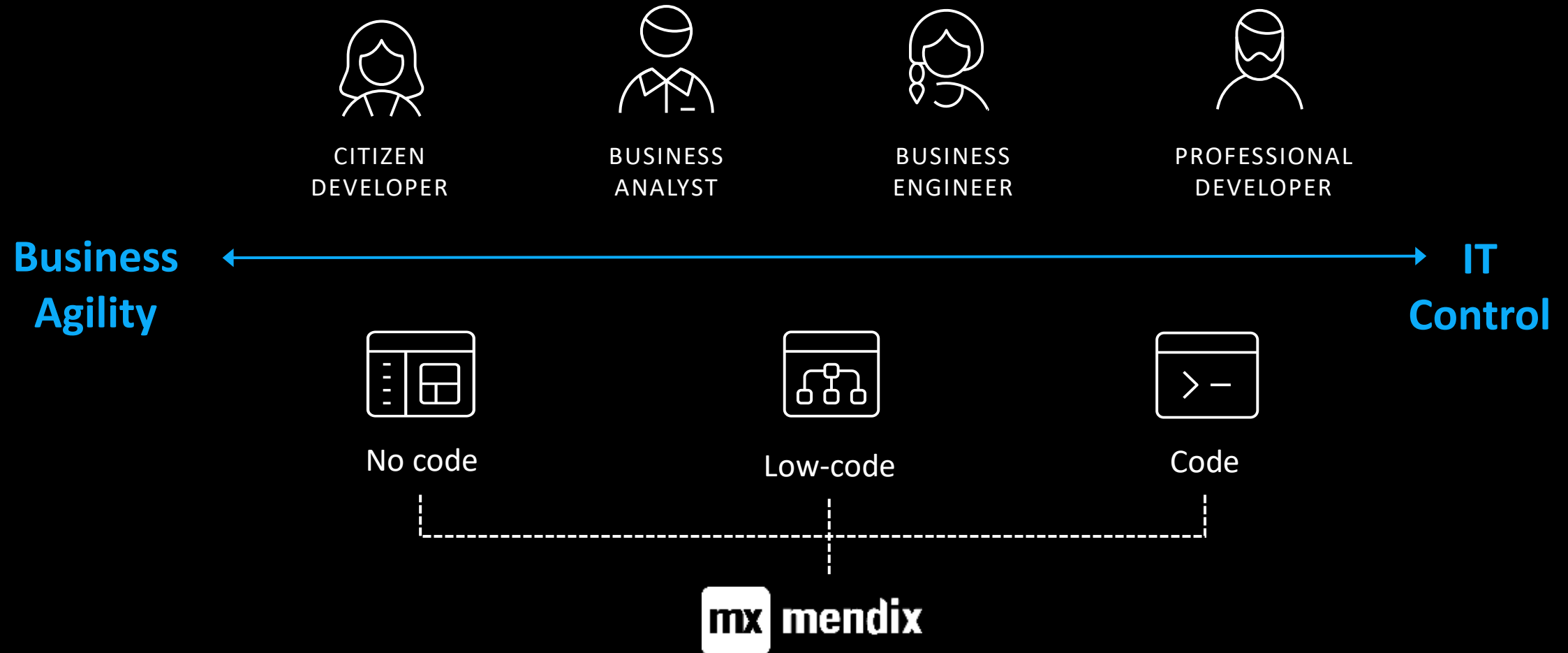


SAP C/4HANA

SAP Ariba



The Mendix way

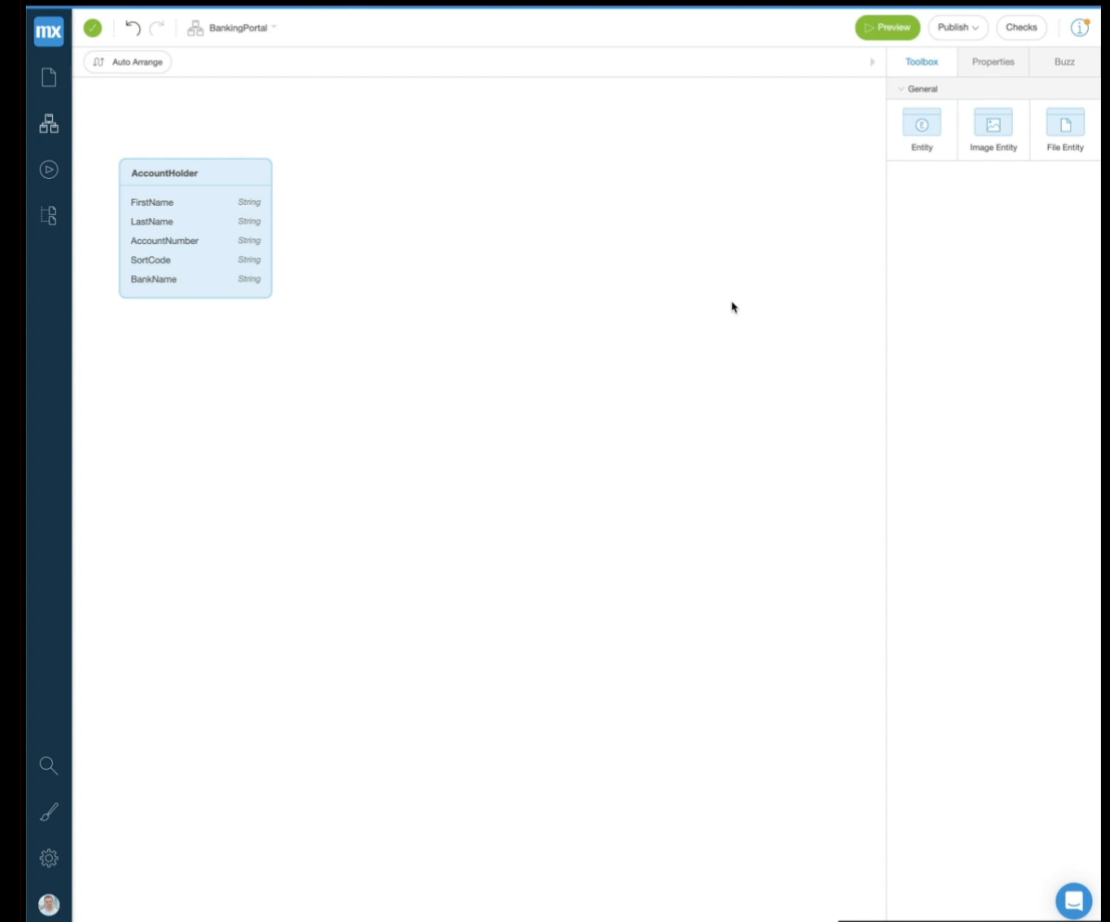


Low / No Code Development

BUILD APPLICATIONS 5-10X FASTER WITH 70% LESS RESOURCES



- Purpose built IDEs **designed for** Citizen and Pro Developers to work seamlessly together on a single app model
- Create engaging user experiences across any device with Visual, drag-and-drop, WYSIWYG IDE's
- Visually model logic with **Microflows** for complex logic, business processes and workflow with AI assisted development
- Collaborate with stakeholders across the entire platform
 - Share and comment of screens and logic
 - Pair program across the globe
 - Keep stakeholders informed and updated
 - Define and curate requirements
- Rapidly iterate with built in feedback, support for continuous integration development & deployment



Data Modeling

Deployment



Hybrid Cloud

- Leverage existing investment
- 1-click deployment
- Choose where each app is deployed
- Mendix apps in your own cluster for compliance, security or private connectivity needs - without managing your own CI/CD



Mendix Cloud

- Everything to host your Mendix apps at cloud scale. No DevOps team needed.
- Most optimized to run Mendix applications
- 1-click deployment
- Built in security and governance framework



On-premises

- Utilize existing infrastructure
- Migrate when ready, without rearchitecting
- Completely isolated from Mendix infrastructure. Complete control over deploying and managing your Mendix apps your way.

Multi-Cloud Portability

Build once, deploy anywhere

- Cloud portable out of the box
- Leverage existing investment
- (Virtual) Private Cloud or On-Premises

Future proof deployment strategy

- Deploy where you need to today
- Migrate without expensive re-architecting



Google Cloud



Simple BOL App – Mendix Demo

SAP Use Cases

Global Sales Quoting

- Sales Quote tool used by Global Sales team consisting of 50% of a multi billion-dollar sales pipeline
- Smart processing and UI/UX design takes a complex industry process and allows for sales executives to quickly enter complex (150+ lines) quotes
- Graphical User Experience provides the user with intuitive features facilitating the quote entry process
- Sales and Executive dashboard provide visibility to sales activities
- Workflows for value, procurement and supply chain review
- Maps provide context to supply, processing and customer locations.

Carbon Quote Setup: 3 Part Setup
Jeld-Wen 2022-01-31

Weight UoM: LBS Length/Width: IN Currency: USD

155

Quote Header Part Upload **Part Setup** Product Specs Mills Processing Final Pricing Financial Summary

Validations (0) Base Price Mechanism: HEDGE May-22 Account Owner: McCane, Mike Sales Office

Jeld-Wen

+ Add Items + Upload Select All Deselect All Delete Mass Update

Quote Items

Item	Cust. Part No.	Ship-To Location	Product Form	Product Type	Min/Nom	Thickness	Fin. Width	Length	Grade	Coating	Paint Code	RFQ Weight
90630	90630	Sulphur Spr	Coil	CR GALV	Minimum	0.0190	36.250	1,000	DDS	G30	PMW788/BW	4,200,000
91949	91949	Sulphur Spr	Coil	CR GALV	Minimum	0.0172	35.250	1,000	CSB	G30	PMW788/BW	1,300,000

Carbon Quote Setup: CoilSmart
Jeld-Wen 2022-01-31

Weight UoM: LBS Length/Width: IN Currency: USD

155

Master Coils

36.250 CR GALV DDS 0.0191 71.000 CR GALV CSB 0.0172

Jeld-Wen Sulphur Springs Jeld-Wen Sulphur Springs

Product Groupings

Part	Product Form	Finished Width	RFQ Quantity
90630	Coil	36.2500	4,200,000
91949	Coil	35.2500	1,300,000

Master Coil: 71.000 CR GALV CSB 0.0172

Location: Jeld-Wen Sulphur Springs Max Coil Weight: 16,000

Master Coil Weight Max 42,000 Edge Drop 0.50 Kerf 0.00

Master Coil Detail

Part	Mults	Breaks	Finished Width	Finished Coil Weight	Finished Coils	Total Finished Weight	PIW
91949	2	2	35.2500	7,000	6	42,000	199

Total Finished Coils 6 Width Used 70.5000 Total Finished Coil 41,704 Master Coil Width 71.0000 Scrap Percentage 0.007

Carbon Quote Setup: Transport Smart
Jeld-Wen 2022-01-31

Weight UoM: LBS Length/Width: IN Currency: USD

155

Supply Chain Scenarios

BRS Occoia, Nucor Armored, Jeld-Wen Sulphur Springs

Weight: 5,500,000 LBS Miles: 457 Freight: \$2,700.00 Freight Cost (CWT): \$6.00

Sequence	Include in Pricing	From	To	Mileage	Mode of Transport	Freight (USD)	Freight Cost (CWT)
1	<input checked="" type="checkbox"/>			33	Flatbed Truck	200.00	\$0.44
2	<input checked="" type="checkbox"/>			434	Flatbed Truck	2,500.00	\$5.56

Map Satellite

Production Order Processing

- Simplified and streamlined Production Order Confirmation processing for operators at manufacturing plants.
- Combines several complex production order confirmation steps into a single pain of glass for users, reducing complexity, entry time, and training time for new users.
- Modern design that shows only the most essential information and uses clear visual indicators to guide the user through data entry while highlighting problems during entry.
- Integration with SAP for all data across several transactions (Sales, Deliveries, Shipments, Production Orders, Purchase Orders, Batch Management, Master Data)
- Workflow for Supervisor Approval
- Navigation direct from Mendix to SAP via SlipStream

PO: 111960647 Released 10PC 1,063.200LB SHT 5052 H32 .190 X 48 X 120 0.19in X 48in X 120in +10.00/-10.00% Max Skid: 5,000 LB

CXR: JULIA SJODIN Ship-To: SMS FABRICATION INC Del Date: 2/6/2022 Zone: USLOS1-CY1 Country (IE)

0010 PUL: PULL FEEDSTOCK - RELEASED

Employee: C001449 Actual Time: 0.250 Delivery: 803457664

Ordered PC: 10 Ordered Wt: 1,063.200
 Issued PC: 10 Issued Wt: 1,063.2000
 Received PC: 0 Received Wt: 1,063.2000
 Balance PC: 10 Balance Wt: 0.0000

1 ORDER OUT OF BALANCE PC
 1 OUT OF DELIVERY TOLERANCE
 Request Approval

Add Input Special Instructions

Input Batch Pieces Material Weight Co. Of Melt/Origin
 1 0026565916 10 160002020 1063.2000 ZA /

Add Output

Type Location Pieces Weight Material Heat
 1 FINISHED 1 1,063.2000 160002020 23/03/162H7

PO: 111960647 Released 10PC 1,063.200LB SHT 5052 H32 .190 X 48 X 120 0.19in X 48in X 120in +10.00/-10.00% Max Skid: 5,000 LB

CXR: JULIA SJODIN Ship-To: SMS FABRICATION INC Del Date: 2/6/2022 Zone: USLOS1-CY1 Country (IE)

0010 PUL: PULL FEEDSTOCK - RELEASED

Employee: C001449 Actual Time: 0.250 Delivery: 803457664

Ordered PC: 10 Ordered Wt: 1,063.200
 Issued PC: 10 Issued Wt: 1,063.2000
 Received PC: 10 Received Wt: 1,063.2000
 Balance PC: 0 Balance Wt: 0.0000

2 ORDER BALANCED PC
 2 DELIVERY TOLERANCE - GOOD

MB1 425.28 LB MB2 637.92 LB

Add Input Special Instructions

Input Batch Pieces Material Weight Co. Of Melt/Origin
 1 0026565916 10 160002020 1063.2000 ZA /

Add Output

Type Location Pieces Weight Material Heat
 1 FINISHED 11BE 2 212.6400 160002020 23/03/162H7
 2 FINISHED 11BE 2 212.6400 160002020 23/03/162H7
 3 FINISHED 11BE 2 212.6400 160002020 23/03/162H7
 4 FINISHED 11BE 2 212.6400 160002020 23/03/162H7
 5 FINISHED 11BE 2 212.6400 160002020 23/03/162H7

Sales Order Tracking and Visibility

- Sales tracking application providing Sales, Manufacturing, Supply Chain and Customer Service with full visibility in order processing
- Combines several SAP transactions into a single pain of glass for users, reducing complexity and increasing time to service
- Notifications and alerting to provide users with exception-based capability to resolve issues
- Ability to comment and notify users of issues
- Integration with SAP for all data across several transactions (Sales, Production Orders, Inventory, Purchases, Credit..)
- Navigation direct from Mendix to SAP via SlipStream

ORDERAWARE DASHBOARD

14757535 for Fiori Demo

Search Filter Options My Filters

Customer Order Item

Order (11) Availability (0) Credit Check (0) Fulfillment (3) Delivery (8) Invoice (0)

ORDER ITEMS	STATUS	TYPE	CUSTOMER	ORDER	PROD ORDER	SALES REP	SOURCE - SHIPPING	CONFIRMED DATE	MATERIAL	QUANTITY
▼ Delivery		General Line		14764085 - 20	111957766		1046 - 1046	2/10/2022 ATP Override 5/3/2021	100000517 - BEAM A992/AS72 GR50 W4 X 13.0 X 240	4.00 PC
▼ Delivery		IPO		14764190 - 10	111957939		4089 - 1046	2/8/2022 ATP Override 5/13/2021	160009895 - SHT 304 2B 11GA X 48 X 96	10.00 PC
▲ Delivery		General Line		14764190 - 20			1046 - 1046	ATP Override 5/13/2021	160003229 - RD CF 1045 TGP 1.25 X 240	4.00 PC
☆	REJECTED									
▼ Delivery		IPO		14766493 - 10	111962273		1007 - 1021	2/15/2022	160009895 - SHT 304 2B 11GA X 48 X 96	1.00 PC

ORDER: 14766572-10

ORDER: 14766572-10
CUSTOMER
SHIP-TO: 1C
SALES REP:
MATERIAL: 160009400 COIL 304 2B 11GA X 48

CONFIRMED DATE
3/2/2022
ATP OVERRIDE DATE
3/2/2022

OVERALL STATUS
ASSB/CREDIT BLOCK
TYPE
IPO

SALES OFFICE: 1007 SOURCE PLANT: 4058 SHIPPING PLANT: 1021 DEKALB TOTAL ORDER WEIGHT: 1,058.40 LB

Order 2/15/2022 Availability 2/15/2022 Credit Check Fulfillment Delivery Invoice

FULFILLMENT
PRODUCTION ORDERS (1)

NOT WORKED	111962458 PRODUCTION ORDER	160009400 MATERIAL	1,058.00 LB QUANTITY	0 MISSOUT COUNT
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OPERATIONS

4058 PUL: Pull Feedstock	4058 CT2: Setup	4058 CT2: Standard Cutting	4058 CT2: Packaging	4058 SCH: In Transit Schedule: T, T
0010 NOT WORKED	0020 NOT WORKED	0030 NOT WORKED	0040 NOT WORKED	0050 NOT WORKED
START Planned: 2/24/2022 Actual:	START Planned: 2/24/2022 Actual:	START Planned: 2/24/2022 Actual:	START Planned: 2/24/2022 Actual:	START Planned: 2/24/2022 Actual:
FINISH Planned: 2/24/2022 Actual:	FINISH Planned: 2/24/2022 Actual:	FINISH Planned: 2/24/2022 Actual:	FINISH Planned: 2/24/2022 Actual:	FINISH Planned: 2/24/2022 Actual:

Thank you!



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