

HybridFuzion.

Multiplying Value Through Innovative Digitalization

A Case Study of Electronic Proof of Delivery in Mining



The Untapped Potential of Digitalisation in Mining Physical Supply Chain

The physical supply chain in the South African mining sector often remains a **digitalization frontier**.

Lack of digitalization challenges

- Complexity
- Cost Inefficiency
- Operational Instability



The Case Study Overview – Multiplying value through digital transformation

Digitised processes for better accuracy and visibility



Real-time control with digitalised goods handovers

User-friendly design with minimal training required

Vendor-managed receipt processing for efficiency

Standardised processes for rapid scaling across regions

The Problem

The inability to process goods receipts against Purchase Orders in SAP in a **real-time and predictable** manner has directly caused **excessive delayed vendor payments**. This has a cascading negative effect:

- Supply disruptions
- Strained vendor relationships
- Inflated operational and procurement costs.

The Solution

We've developed a mobile application that streamlines proof of delivery processes. This app generated ePOD with **real-time governance validations**, ensuring accuracy and compliance. Built on the **SAP Business Technology Platform (BTP)**, the application is readily available on major app stores, making it accessible and easy to adopt.

Program Objectives – Revolutionizing Goods Receipt and Final Mile Delivery

Primary Objective

To revolutionise **Goods Receipt** and **Final Mile Delivery** processes at the point of material handover.



Secondary

- Creating a plug-and-play solution requiring minimal training.
- Enabling vendor-managed GR processing.
- Fostering organic multiplication in process capability.
- Establishing a unified paperless hand-over process across regions.
- Ensuring adaptability across the vendor base.

Pain Points – Understanding the Challenge



Lack of Real-time and predictable goods receipt processing against POs: Resulting in poor spares visibility for downstream maintenance.



Delayed vendor payments: Due to inefficient GR processes.



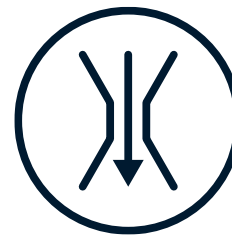
Paper-based final mile delivery tracking: Lack of visibility leading to supply disruptions.



Strained relationships: With vendors and internal stakeholders.

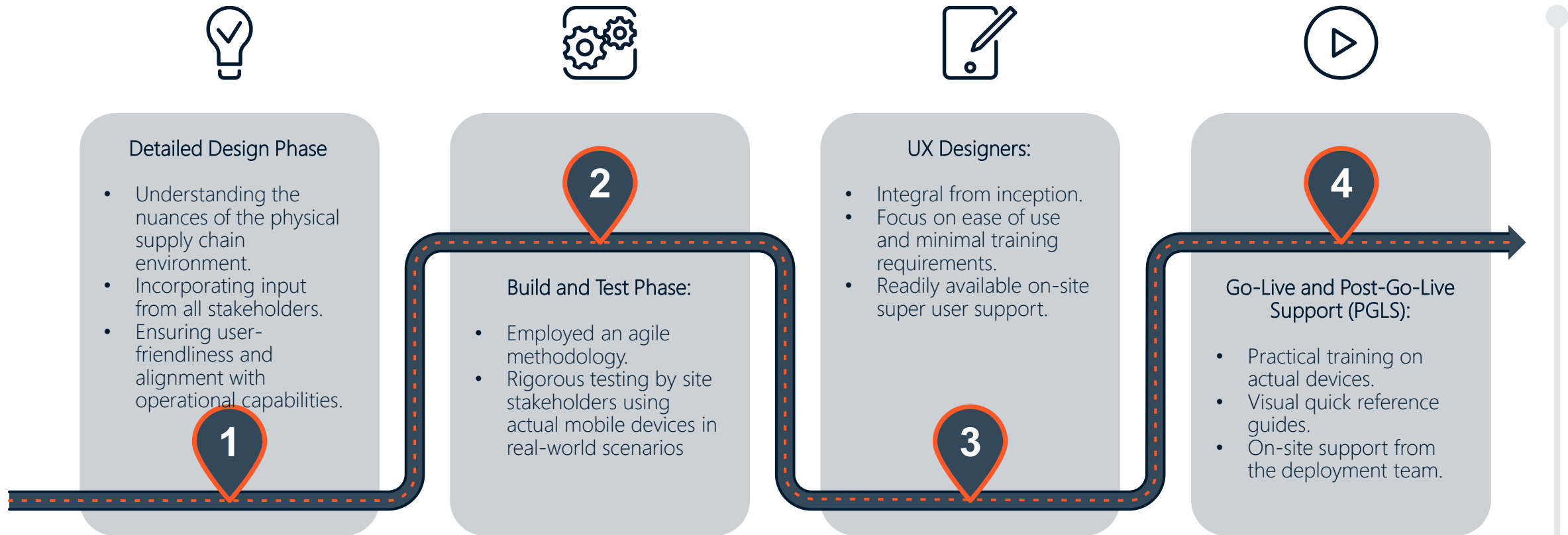


Increased procurement and operational costs: Stemming from inefficiencies.



Absence of real-time visibility and control: Creating a major bottleneck.

The Approach – A Structured and Human Centric Methodology



The Impact – Tangible and Significant Results

Faster, safer, and more transparent deliveries.



Real-time SAP Updates

Deliveries instantly sync with SAP, ensuring full visibility.



Electronic Proof of Delivery (ePOD)

No more paper delivery notes. Everything is digitised for real-time, accurate updates.



Faster Deliveries, Lower Fraud Risk

Eliminating paper speeds up deliveries and reduces fraud, loss, and delays.



Enhanced Delivery Confirmation

Recipients verify quantity and quality on the spot, flagging discrepancies immediately.



Improved Invoice Accuracy

Clear delivery records minimise disputes and payment delays.

Transforming operations with measurable improvements.

The app delivers significant improvements across automation, efficiency, and standardisation, creating clear business value.

Automation:
5-80% increase
in digital receipting
of inbound
transactions.

Capacity:
1500% growth
in goods receipt
processing capacity.

Efficiency:
60% reduction
in wasteful PO
expediting efforts.

Standardisation:
80% reduction
in process inconsistencies.

On-time payments:
60% reduction
in payment-related queries.

Key Takeaways – Lessons Learned and Future Implication

Key Message

This case study demonstrates the **transformative power of responsible digitalisation** in the mining sector's physical supply chain.

Highlighting the potential for significant improvements in **efficiency, visibility, and cost-effectiveness**.



Considerations

- Emphasize the importance of considering local context.
- Highlight the need to factor in human capabilities.
- Stress the relevance of environmental factors in remote mining operations.
- Consider adding a forward-looking statement about the potential for further digitalization in the mining sector.

Closing Thoughts

Meaningful value transformation in the Physical Supply Chain reside with a key factor of:

You cannot expect to transform your Physical Supply Chain using **principles and processes relevant more than 20 years ago**.

Transformation requires a mindset around doing things differently, closely observing **capabilities, culture** and the **trajectory** of the business model. This means we need to think differently about how we enable business process to attain stability, capability and value.



Thank You

Which process in your organization require a radically different way of working and how will digitalisation enable you to elevate the capabilities required by your business model?



HybridFuzion.



083 234 9920



info@hybridfuzion.com



www.hybridfuzion.com



www.facebook.com/HFuzion



www.linkedin.com/company/hybridfuzion



2021/734701/07



HybridFuzion • Unit 7 • Ground Floor • Ext 2 • Menlyn Maine • 194 Bancor Avenue • Park Lane West Building • Waterkloof Glen • Pretoria • 0181