



Digital Materials Management for Emerging Offshore Energy Supply Chains



What materials management really is

The end-to-end control of materials across their lifecycle.

Plan

Procure

Receive

Store

Preserve

Move

Issue

Return

Repair

Dispose

Replenish

Improve

It is the operating system behind uptime, cost control and delivery confidence.

**RIGHT
MATERIAL**

**RIGHT
PLACE**

**RIGHT
TIME**

**CERTIFIED +
READY**



Why it matters for Namibia

1

Visibility

Can we see the item and its lifecycle status?



2

Trust

Can we trust the data, certificate, condition and provenance?



3

Movement

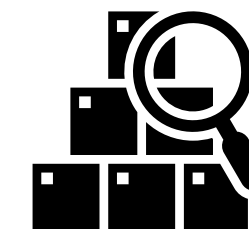
Can we move it through the right controlled flow?



4

Availability

Will it be ready at the maintenance point of need?



5

Proof

Can we prove compliance after installation?



Global Operations Assurance

Transforming materials management for a £100bn global operation.

Trigger:

- Fragmented processes
- Manual workflows
- Poor lifecycle visibility
- Inconsistent master data
- Cybersecurity and integration complexity

What the diagnostic exposed:

- ✓ Duplication and delay across onshore and offshore flows
- ✓ No reliable cradle-to-grave view of material
- ✓ Training, processing and hand-offs were too slow to scale
- ✓ Confidence in location, status and documentation was falling



The solution

- ✓ Digital and AI-enabled execution
- ✓ Barcode and RFID tracking
- ✓ Two-way ERP integration
- ✓ Controlled work-pack flow



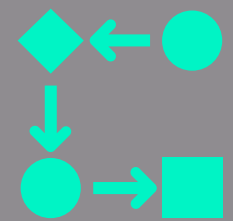
**Process discipline first,
digital enablement second.**



The impact



80% reduction in processing time through AI-enabled automation.



Kitting Material **46% faster**

Stock checking **44% faster**

Packing time **improved 85%**

Dispatch time **reduced 54%**



Improved **cost control** and reduced material consumption.



Stronger **supplier accountability** and compliance.



A scalable platform providing predictive insight and end-to-end, **cradle-to-grave visibility** across all materials flows.



How successful transformations develop

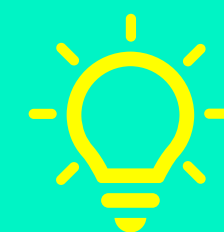
1 UNDERSTAND FAILURE RISK

2 CREATE A BASELINE

3 DEFINE THE OPERATING MODEL

4 DESIGN THE FLOW

5 ENABLE + SUSTAIN



Technology is an enabler of a controlled process,
not a substitute for one.

The first step: creating a shared understanding of the challenge

SIX QUESTIONS THE SYSTEM MUST ANSWER

- Do we have it?
- Where is it?
- Can we trust the data?
- Is it certified and serviceable?
- Will it be ready when needed?
- What risk are we carrying?

1 Operational impact

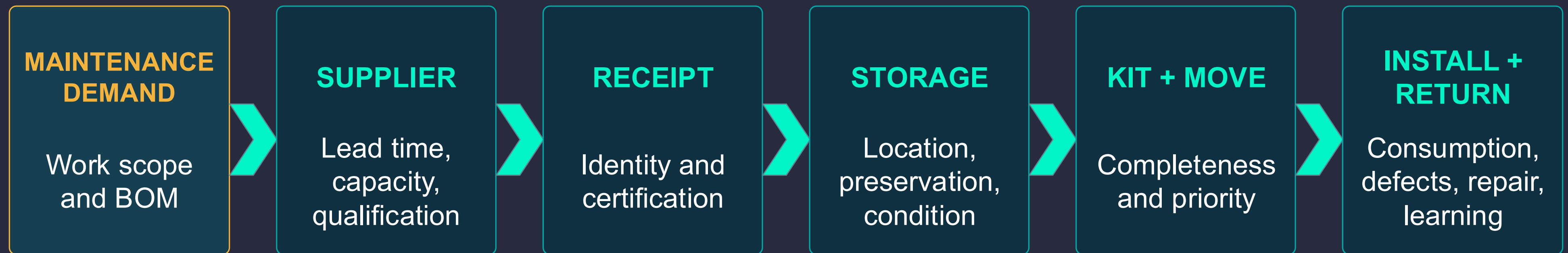
2 Flow friction

3 Control weakness

4 Cost of uncertainty

5 System inconsistency

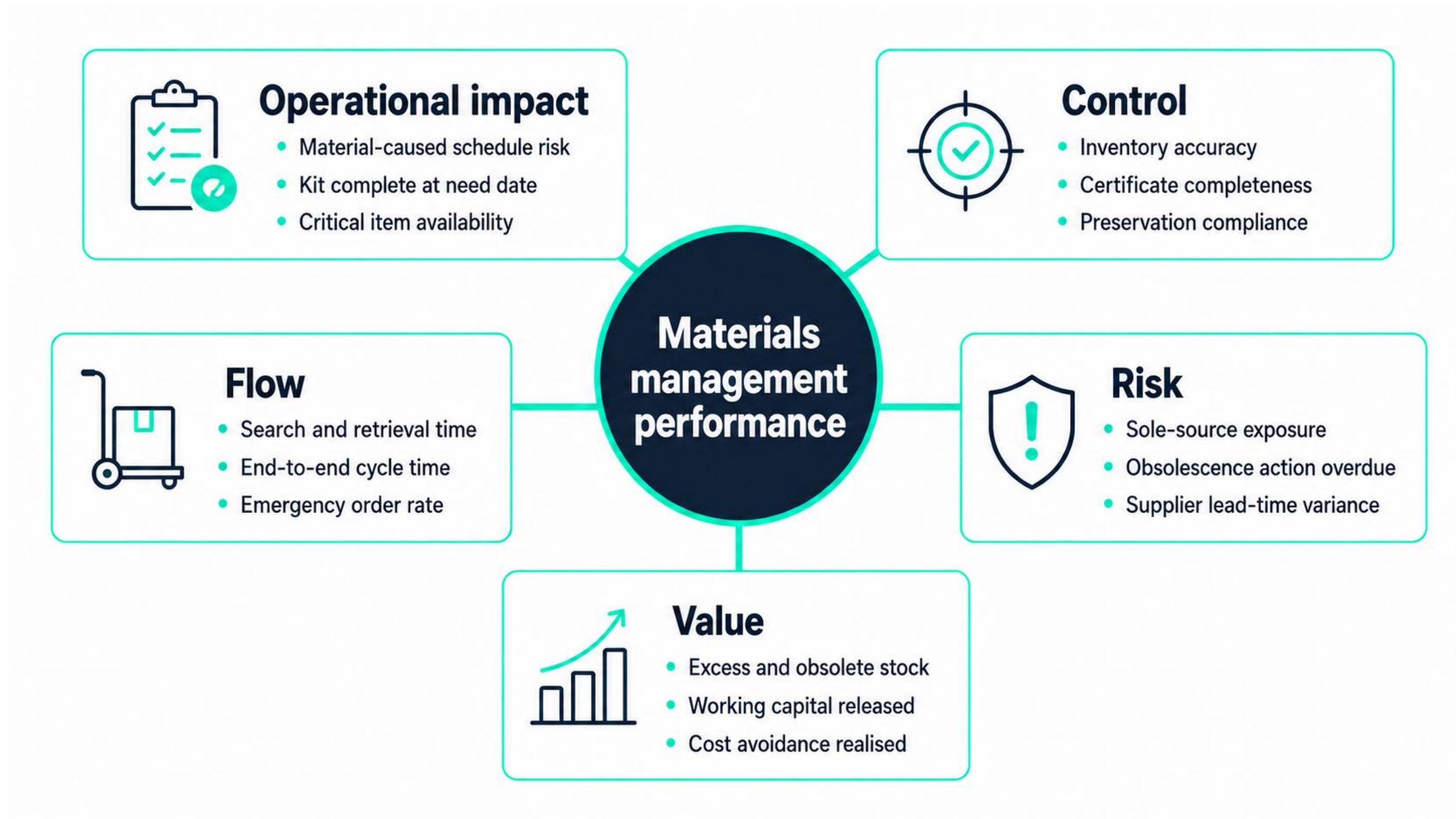
First pilot: one bounded, critical material flow



PILOT SELECTION CRITERIA

- Operational consequence is clear
- Leadership can remove barriers quickly
- Flow crosses multiple functions or sites
- Benefits can be measured within months
- Data and physical work can both be observed

Measurement: Dashboard must show operational impact and control.



The target:

**A controlled materials
system: structured,
traceable, risk-informed and
continuously improved.**

Rack N26 

Rack N27 

Rack N30  Rack N

Thank you.