

QUALITY ENGINEER — APPLICATION PORTFOLIO

NCR Quality Dashboard

Power BI Proof of Concept

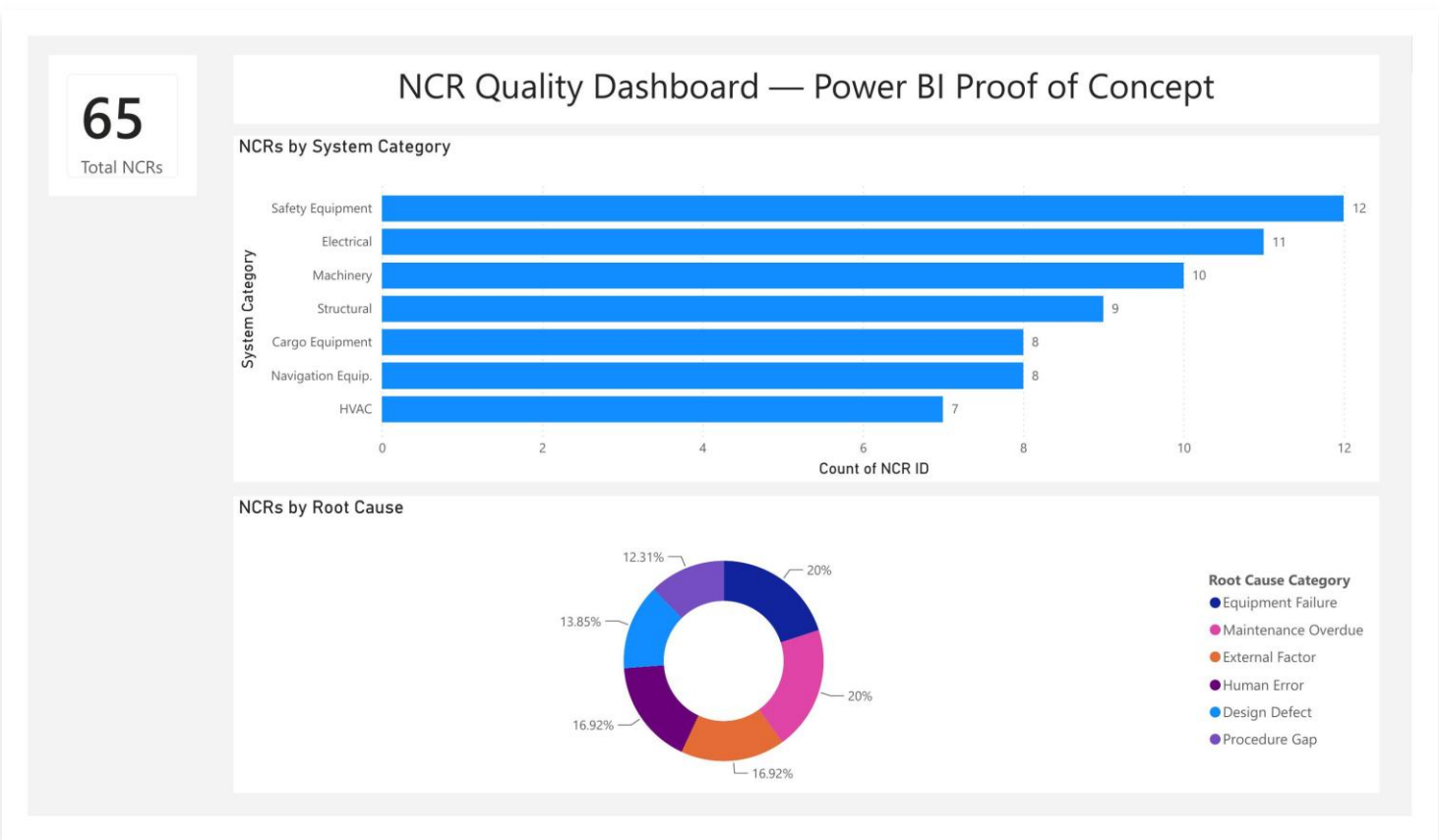
Excel data model → Power BI reporting layer

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NCR Data Analysis · 5 Vessels · 2023

KPI Summary

Power BI dashboard built on a single flat table from the Excel NCR tracker



65

Total NCRs tracked

5 vessels, full 2023 period

51%

from top 3 categories

Safety Equip., Electrical, Machinery

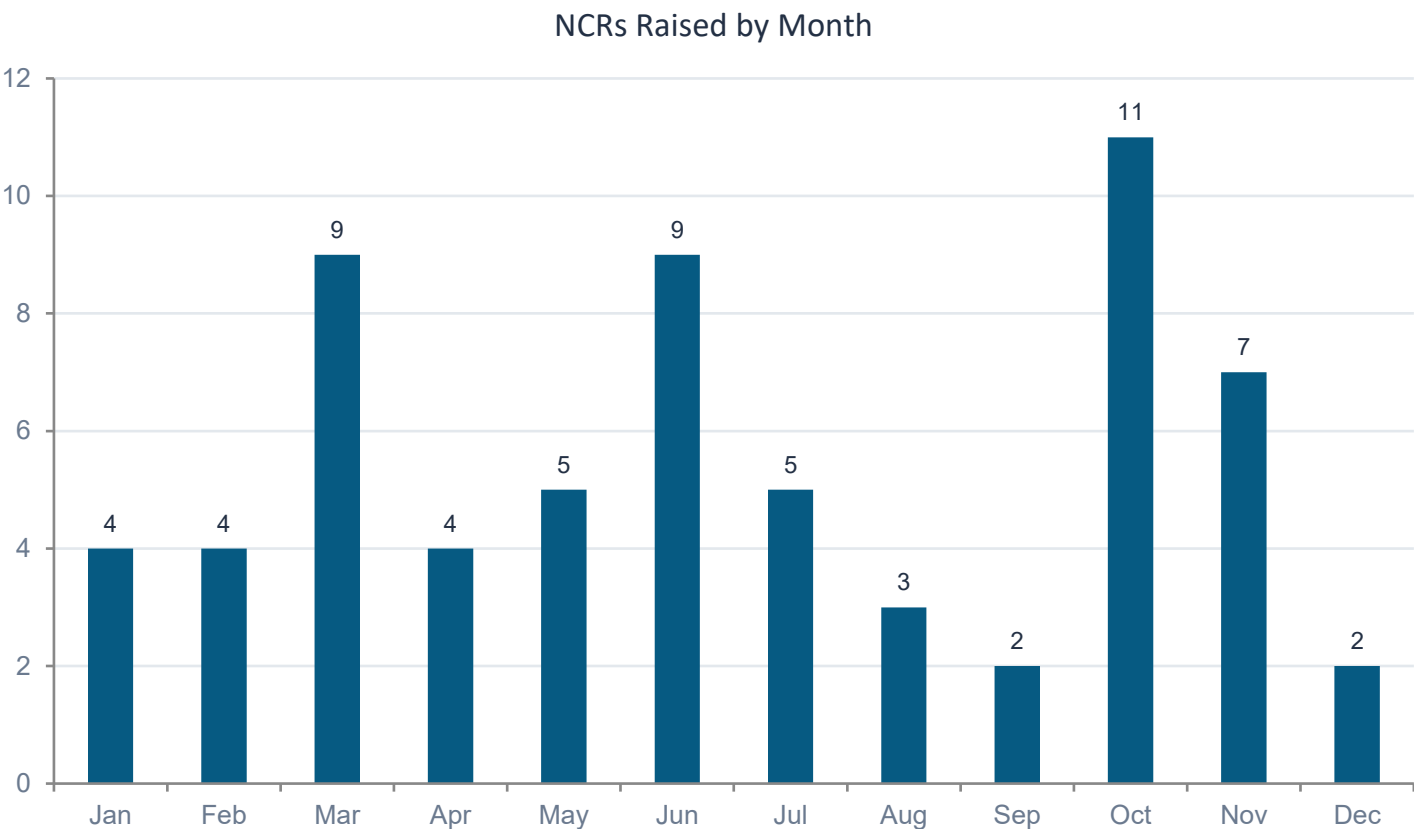
40%

root cause: maintenance

Equipment Failure + Maintenance Overdue

NCR Trend & Root Cause Analysis

Monthly volume, 2023 — and where the 65 NCRs actually come from



October spike: 11 NCRs — more than double the 5.4/month average

Root Cause — Grouped by Theme

40%

Maintenance-Related

Equipment Failure + Maintenance Overdue

26 NCRs

31%

External / Design

External Factor + Design Defect

20 NCRs

29%

Human / Process

Human Error + Procedure Gap

19 NCRs

Recommended Corrective Actions

Mapped directly to the root-cause clusters above

01

Preventive Maintenance Review

Target the 40% maintenance-related cluster with a scheduled PM audit across recurring equipment (aux engines, cargo gear) instead of reactive fixes after failure.

02

SOP Refresh + Crew Training

Address the 29% human/process cluster with a targeted refresher on the specific procedures behind repeat Procedure Gap findings.

03

Engineering & Contractor Review

Route recurring Design Defect NCRs to engineering for a design review, and flag repeat External Factor contractors for requalification.

28

Active CAPA items

14 Open · 10 In Progress

4

Overdue

past target close date

37

Closed NCRs

56.9% closure rate