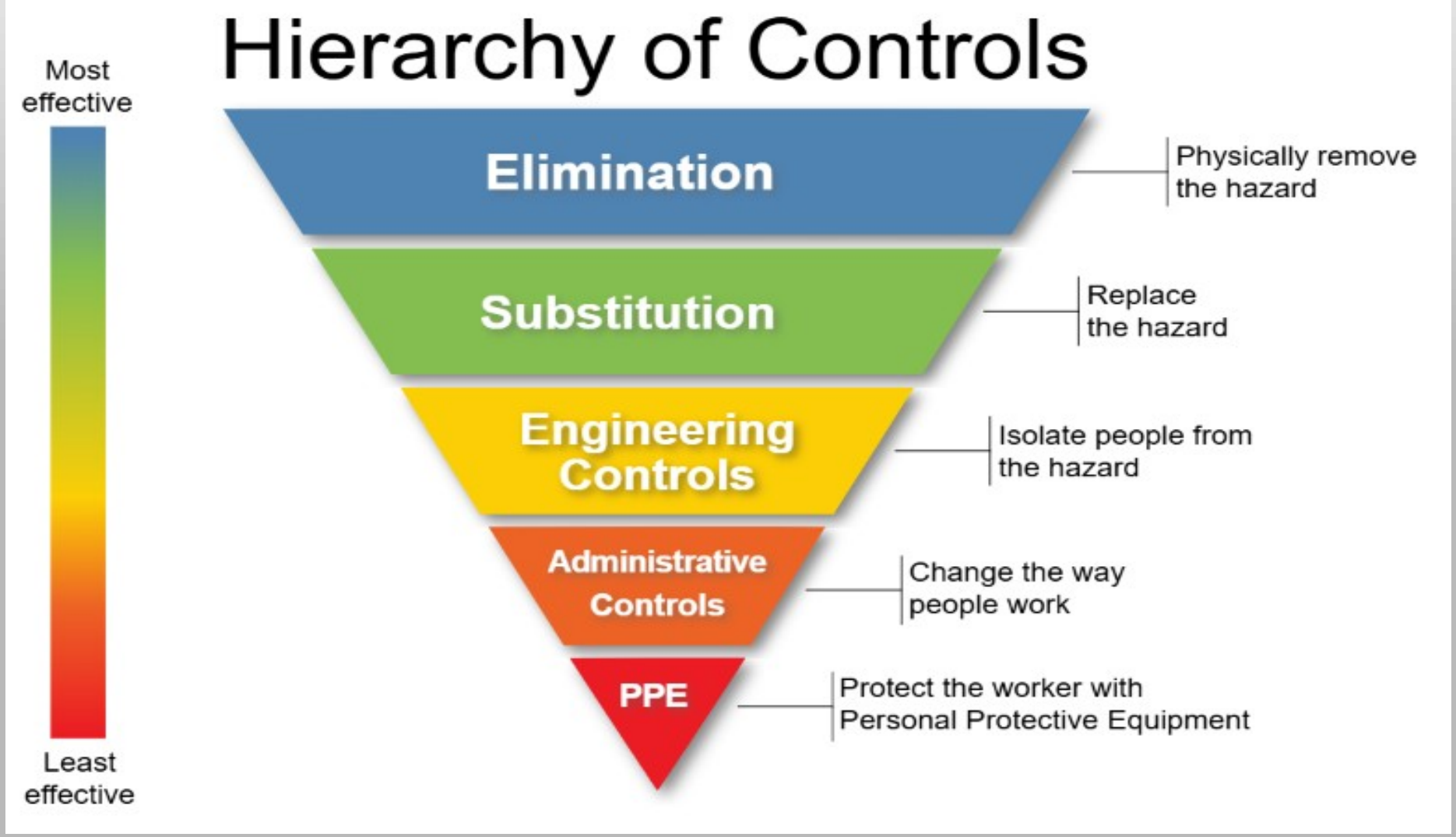

KAGES
Kenneth Angus Global Energy Services

KAGES
Kenneth Angus Global Energy Services

# Completions



KAGES
Kenneth Angus Global Energy Services

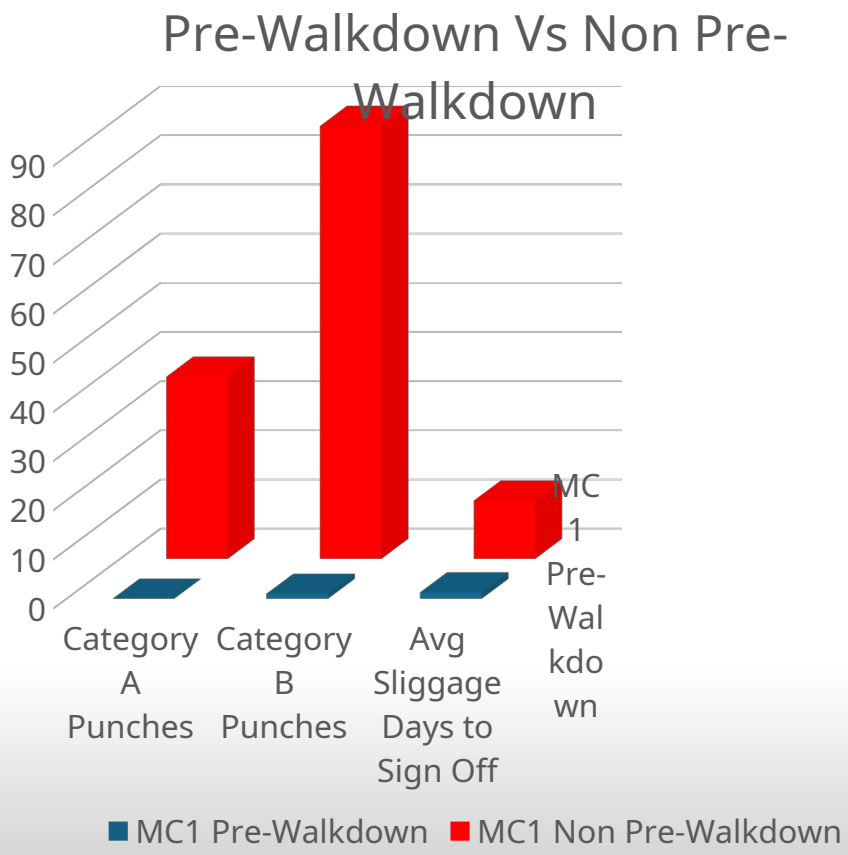
# Task Overview & Supporting Key Factors

| KPI TASK | KPI DESCRIPTION | METRIC & TARGET | KPI TARGET | PLANNED (Monthly) | COMPLETED | ACCEPTED | % ACHIVED | KPI SCORE | Comments |
|---|---|---|---|---|---|---|---|---|---|
| HSE SV Self - Verification Lead indicators | Field Engineers completing SV Weekly. | 3 SV completed per week (12 per month) | 100% | 12 | 12 | 12 | 100% | 100% | Personal leading indicators to ensure safety and hazard awareness. |
| PTW reviews | Field Engineers completing PTW reviews Weekly. | 5 PTW reviews per week (20 per month) | 100% | 20 | 20 | 20 | 100% | 100% | To ensure that the work party are aware of the the PTW task. The PTW is sufficient with all the correct supporting documentation . |
| Pre-Walkdown Execution ITRs 50% Complete | Field Engineers completing pre-walks ahead of scheduled MC Walkdown dates. Walk down to close open PLs prior to MC1 early stage. | 5 pre-walks per week (20 per month) | 100% | 20 | 18* | 18 | 80.00% | 80.00% | Pre-walking sub-systems at 50% ITR completed. Helps identify any PL or issues which can be closed or highlighted with the construction teams for actions to be addressed, prior to final MC-1 WD. |
| Pre-Walkdown Execution ITRs 80% Complete* | Field Engineers completing pre-walks ahead of scheduled MC Walkdown dates. | 6 pre-walks per week (20 per month) | 100% | 20 | 17 | 17 | 100.00% | 100.00% | Pre-walking sub-systems at 80% ITR completed. Helps identify any PL or issues which can be closed or highlighted with the construction teams for actions to be addressed, prior to final MC-1 WD. |
| HOD Reviews | Weekly handover dossier reviews. | 3 dossier reviews per week / per discipline (36 per month) | 100% | 36 | 36 | 36 | 100.00% | 100.00% | Review HOD to ensure all required documents, certificates and drawings are correctly populated in HOD prior to WD |
| *Then Final MC-1 WD | | | * Indicates No access due to SIMOPS | | | | | | |

## SUPPORTING KEY FACTORS ADDING TO CURRENT PROGRESS

| COMPLETIONS TASKS | VALUE TO PROJECT | HISTORICAL METRICS Vs TODAYS PROGRESS |
|---|---|---|
| Field Completions Discipline engineer's team have been able to achieve consistent single figures & zero punch items at final MC-1 WD.This consistency has been driven by 50% 80% (ITRs Completed) Pre-MC WD. | * Provides consistent high-quality system handover outcomes<br>* Minimises late punch items at MC-1 and walkdown stages<br>* Improves overall system readiness and handover confidence<br>* Supports predictable and reliable project delivery | **KEY INSIGHTS** - Pre-Walked Sub-Systems consistently deliver lower punch counts. MC-1 Completions time is significantly shorter.<br>(See fig 1) |
| Completions team have a continuous data review process. Which in turn information is shared and actioned with relevant stakeholders. | * Maintains alignment between construction, completions, commissioning, and operations<br>* Provides early visibility of risks to schedule and system readiness<br>* Enables proactive mitigation of potential delays<br>* Provides one true reporting source | Using the methodology of analyzing good example would be PWRI-1. On this project we worked very closely with Nazim and his team from Operations Completions. We implemented daily action tracker meetings and identified priority actions and responsibilities and closing action in real time. |
| HOD reviews are completed continously to ensure they are correctly populated. Prior to any WD or Handover starting. | * Improves quality and completeness of handover documentation<br>* Reduces handover rejections and late or missing documentation updates<br>* Ensures systems presented for walkdown are genuinely ready<br>* Supports smoother and more efficient handovers | Poorly populated HOD been presented at WD's was a major bottleneck.<br>(See fig 2) |
| HUB1 was identified as a discontinued software that was not fully supported. We have now structured and populated the new GoC HUB2 with all PWRI2 data and continue to train personnel (This is live). | * Removes dependency on obsolete software, reducing data risk.<br>* Faster and slicker software with minimal user change from HUB-1.<br>* All certificates, drawings and documents in one place.<br>* Improving both time and 100% s-system readines. | Outdated CMS only 65% populted. Impacting time & schedule. |

# Gap Analysis & Walkdown Status Report




## Summary Panel

**28** x Sub-Systems progressed to MC1 Sign-Off.
**6** x Sub-Systems completed with Field Team Pre-Walkdowns
**22** x Sub-Systems NOT progressed without Pre-Walkdowns

**6** x Pre-Walkdown Sub-Systems
**105** x Early Punch Items Identified and Closed
**0** x Category A Raised at MC1:
**1** x Category B Raised at MC1:

**22** x Not Pre-Walkdown Sub-Systems
**37** x Category A Raised at MC1:
**88** x Category B Raised at MC1:
**125** x Punches Not Identified resulting in **11.8 days lost production**

Average Slippage to MC1 Sign-Off
**1.3 Days Pre-Walkdown**
**11.8 Days Non Pre-Walkdown**
Pre-Walkdown Systems consistently deliver lower punch counts

# MC1 Dossier & Punch List Review Status 2025

## Dossier Review Overview

**47** Sub-Systems subjected to Hard-Copy Dossier Review

**32** Sub-Systems with Dossier Issues Identified

**194** Early Dossier Punches Identified

**194** Early Dossier Fixes Implemented

**0** Dossier Punch Items Raised at MC

## Performance Outcome

100% early issue resolution prior to Walkdown
Zero MC1 punch list impact from dossier deficiencies
Demonstrated early-stage quality control effectiveness

**KEY INSIGHTS**

✓ Hard-copy dossier reviews take a lot of time and are not fully captured in the GOC database.

✓ Full multi-discipline dossier reviews find and fix issues before Walkdown, which prevents punch items and helps ensure MC1 is achieved on time.

| Summary 2025 Completed MC1 With Punch list status | | | |
|---|---|---|---|
| **Projects** | **MC1 completed 2025** | **Cat A Raised** | **Cat B Raised** |
| *DD5 D&Ds* | 2 | 5 | 83 |
| *Rumaila CPP* | 1 | 0 | 0 |
| *Rumaila Developments* | 21 | 7 | 60 |
| *Rumaila DS05 New Trains* | 1 | 0 | 0 |
| *Rumaila ESP OHTL Project* | 18 | 0 | 51 |
| *Rumaila LP Flare Upgrades* | 194 | 189 | 1432 |
| *Rumaila MQ New Trains* | 13 | 5 | 89 |
| *Rumaila Multi-Well Pads (MWP)* | 63 | 33 | 283 |
| *Rumaila PWRI 1* | 34 | 157 | 341 |
| *Rumaila QA Water Intake* | 30 | 19 | 177 |
| *Rumaila SW Pipeline* | 21 | 0 | 131 |
| *Rumaila TMS - Trunklines & Manifolds* | 86 | 68 | 241 |
| *Rumalia PWRI 2* | 8 | 17 | 36 |
| **Grand Total** | **492** | **500** | **2924** |

Note- The above information is what is available from HUB1 at the time.

# What Are We Doing Different

**What We Do Different**

- Introduction of HUB-2 GoC.
- Pre-Walk subsystems to achieve minimal punch Items.
- Trending & Gaps analysis.
- Improvements & Implementations.
- Assurance and Traceability's.

**How We Do It Different** (Action)

- Populated GoC HUB-2 with all data ready to test pilot.
- Multi discipline Field Completion Engineers (new team).
- Using Field & GoC data to identify project wins and potential bottlenecks. Introduced KPI's to encourage and monitor performance.
- Lessons Learnt Register.
- Comprehensive Risk Register
- Continuously monitoring HOD and Engineer drawings (GoC).

KAGES
Kenneth Angus Global Energy Services

# Strategic Benefits of Hub 2

1. **Accelerated Project Delivery**
   - ❖ Automates certification and handover processes.
   - ❖ Reduces manual data entry and document collation.
   - ❖ Speeds up readiness verification and energisation.

2. **Enhanced Technical Integrity**
   - ❖ Tracks every tag, ITR, punch list, and preservation record.
   - ❖ Ensures systems meet operational and safety standards before handover.
   - ❖ Supports ISO 27001 compliance for secure data handling.

3. **Real-Time Visibility & Decision Support**
   - ❖ Power BI dashboards provide live progress insights.
   - ❖ Drill-down views for system-level traceability.
   - ❖ Enables proactive issue resolution and risk mitigation.

4. **Seamless Collaboration Across Teams**
   - ❖ Web-based platform accessible from any device.
   - ❖ Mobile app for field data capture and syncing.
   - ❖ Interfaces with planning tools, engineering databases, and maintenance systems.

5. **Scalability Across Projects & Industries**
   - ❖ Works for greenfield, brownfield, and expansion projects.
   - ❖ Adaptable to oil & gas, mining, infrastructure, and energy sectors.
   - ❖ Supports multi-contractor environments with unified data views.

6. **Compliance & Audit Readiness**
   - ❖ Automated handover packs with digital sign-offs.
   - ❖ Version control and archiving for full audit trails.
   - ❖ Aligns with GDPR, HIPAA, and other global standards.