# Continuous Improvement & OEE Support Overview

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| **Purpose** | Overview of how DEVA Maintenance links engineering action to production performance improvement |
| **Client value** | Reduced downtime, repeat faults, waste, changeover losses, scrap and performance losses |
| **Document type** | Service overview |
| **Scope** | Manufacturing, production, maintenance and process improvement support |

## 1. Purpose

Continuous improvement and OEE support should connect production losses to practical engineering action. DEVA Maintenance Services LTD helps clients identify where downtime, speed loss, quality loss and repeat faults are being created, then supports practical improvement work to reduce those losses.

The focus is on usable actions: fix repeat faults, improve changeovers, reduce avoidable stoppages, improve PPM routines, strengthen defect control and remove engineering causes of production loss.

## 2. OEE areas supported

| OEE area | Engineering focus |
|---|---|
| Availability losses | Breakdowns, waiting for maintenance, changeover delays, blocked/starved equipment, long restarts and repeat stoppages. |
| Performance losses | Slow running, minor stops, poor settings, worn parts, friction, air leaks, poor lubrication and unstable operation. |
| Quality losses | Scrap, rework, incorrect setup, poor repeatability, damaged product, contamination or machine-related defects. |
| Maintenance system losses | Missed PPM, weak defect follow-up, poor spares control, known faults not planned and unclear ownership. |
| People/process losses | Handover gaps, unclear procedures, inconsistent settings, lack of standard checks or poor communication between teams. |

## 3. Practical improvement approach

| Stage | Activity | Output |
|---|---|---|
| 1. Review losses | Look at downtime, defects, operator feedback, maintenance history and production bottlenecks. | Loss list and priority areas. |
| 2. Confirm root causes | Inspect equipment, observe process, review settings and talk to people involved. | Fault causes and contributing factors. |
| 3. Prioritise actions | Rank actions by safety, downtime, cost, ease, urgency and production benefit. | Action plan. |
| 4. Deliver improvements | Carry out practical engineering changes, repairs, adjustments, PPM changes or documentation updates. | Completed improvements. |
| 5. Verify results | Check if downtime, waste, repeat faults or operating issues have improved. | Before/after results and next actions. |

## 4. Typical improvement opportunities

- Repeat fault elimination on production machinery and utilities.
- Air leak reduction and compressed air efficiency improvements.
- Changeover setting tables, standard settings and one-point lessons.
- Improved lubrication, alignment, guarding, access and maintainability.
- Defect log clean-up and action close-out support.
- PPM task updates following failures or recurring defects.
- Reduction of scrap, rework, blocked equipment, jams and minor stops.
- Better handover between production, maintenance, supervisors and contractors.

## 5. Information that helps

- Downtime records, fault codes, shift reports, production loss data or OEE data where available.
- Operator comments, repeat fault history, maintenance job sheets and defect logs.
- Current PPM tasks, schedules, spares issues and known bottleneck assets.
- Photos, videos or examples of recurring issues if a live observation is not possible.
- Client priorities: safety, throughput, waste, cost, quality, energy or reliability.

## 6. Deliverables

| Deliverable | Purpose |
|---|---|
| Loss review | Identifies the largest production and engineering losses. |
| Improvement action plan | Clear list of actions, owners, priorities and expected benefit. |

| Deliverable | Purpose |
|---|---|
| Engineering remedial work | Practical repairs, adjustments and modifications within agreed scope. |
| Updated PPM routines | Maintenance changes that prevent repeat issues. |
| Standard settings / checklists | Simple documents that help teams repeat good practice. |
| Results review | Evidence of improvements and remaining opportunities. |

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| **Document owner** | Company Director |
| **Approved by** | Daryl Gibson, Director |
| **Signature** | _____ |
| **Date** | 06 July 2026 |
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