Vertical Modules & Ethics/Guardrails Framework – Workplace-AI-Prompts

This framework combines Version‑2 Phase‑4 (Vertical Modules / Domain Adaptation) and Phase‑5 (Ethics & Guardrails). It ensures prompts and workflows are industry‑specific, ethically compliant, and auditable.

# 1. Why Vertical Modules?

Generic prompt kits fail to address domain constraints, compliance, and tone. Vertical modules adapt base workflows to industries (e.g., Manufacturing, Education, Healthcare). This increases precision, adoption, and user trust.

# 2. Vertical Module Design Approach

Each vertical pack includes:

* • 8–12 tailored prompts
* • 2 ready-to-use templates
* • 1 mini case study (real-world simulation)
* • Domain constraints (regulations, policies, compliance)

## Example – Manufacturing Vertical

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| Workflow | Domain Constraint | Prompt Variant |
| Incident Management | Safety rules, hazardous zones, regulatory forms | “You are Safety Manager in manufacturing. An incident occurred in chemical storage. Draft log + notification email with safety compliance.” |
| Vendor Maintenance | Industrial maintenance schedules, compliance | “Vendor servicing conveyor motors: generate maintenance checklist + evaluation rubric in industrial context.” |
| Safety Audit | PPE compliance, regulatory zones | “Conduct weekly safety audit in factory: list checks, safety score, corrective actions.” |

# 3. Ethics & Guardrails Framework

Unique features:

• Policy-as-Prompt Layer: convert company policies into prompts automatically.

• Conflict Resolution: define tie-break priorities (e.g., safety > speed).

• Audit Trail Tags: every output has metadata (version, guardrail checks, timestamp).

• Bias / Fairness Filter: detect biased or harmful language, especially in HR/education verticals.

• Input Sanitization: redact sensitive info (PII, financials) before processing.

• Output Validation: enforce format, detect hallucinations, apply do/don’t filters.

• Safe Fallback Mode: if rules fail, provide safe template asking for clarification.

# 4. Differentiators vs Existing Kits

Most prompt libraries provide generic prompts with no vertical adaptation or guardrails. This framework integrates vertical constraints with ethical checks, creating industry-ready, trustworthy solutions.