

GOODWARE PSEUDOCODE – YAML Example

Author: Wolfspell & Collaborative AIs | Language: en | Date: 2025-07-06

```
solution:
  name: "Carbon Emission Reduction Optimizer"
  goal: "Reduce CO2 by optimizing industrial processes"
  approach:
    - "Analyze production data to find energy inefficiencies"
    - "Recommend process adjustments to cut unnecessary consumption"
  requirements:
    safety: "No negative impact on quality or safety"
    compliance: "Comply with environmental regulations"
  modules:
    - name: "DataIngestor"
      function: "Collect sensor data and logs"
    - name: "EmissionAnalyzer"
      function: "Calculate emissions and inefficiencies"
    - name: "ProcessOptimizer"
      function: "Suggest changes to reduce emissions"
  output:
    type: "Recommendations Report"
    format: "PDF"
    frequency: "Weekly"
  implementation:
    language: "Rust"
    libraries: ["analytics-crate", "pdf-report-generator"]
  validation:
    expert_review: true
    testing: "Simulate recommendations on historical data"
  status: "Draft - pending validation"
```

This YAML serves as a blueprint for Goodware's engine to generate Rust code. After thorough human review, the solution is compiled and deployed accordingly.