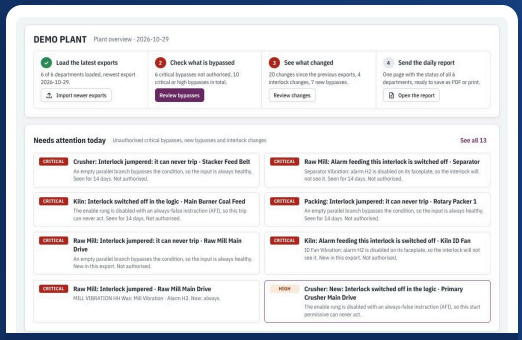
MACLOGIC by Macprotec

Know what protects your plant, read from your own PLC logic.

MACLOGIC reads the exported programs of your controllers and shows what the logic really does today: which critical interlocks are bypassed, what changed since the last export, and what trips each motor, down to the field signal. It reads files only and never connects to a controller.



PLANT OVERVIEW · EVERY MORNING

Screen shown with the built-in demo plant

OUR UNIQUE VALUE · READ FROM YOUR OWN LOGIC

Six ways MACLOGIC knows your plant, not a generic checklist

1 Your interlocks
Every trip, permissive and sequence stop in your rungs.

2 Your bypasses
Jumpered, switched-off, forced or simulated, at every export.

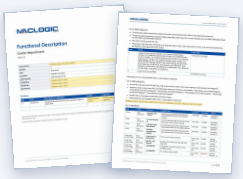
3 Your field signals
Each trip traced to the input, alarm or timer behind it.

4 Your changes
Every export compared with the last: a logic historian for the plant.

5 Your areas
One tab per department, quarry to packing, each with a status.

6 Your FD
Functional description rebuilt from the logic, in Word.

Backups store the logic. Studio 5000 shows it. **MACLOGIC explains it.**



FEATURED · REVERSE-ENGINEERED FROM YOUR LOGIC

Your functional description, reverse-engineered from the PLC

FD missing, or no longer matching the logic? MACLOGIC writes one per department in Word, ready to review and sign: control philosophy, start order worked out from the interlocks, stop sequence, every interlock with its rung, timers, loops, limits, alarms and bypasses. What the logic cannot tell is marked for your engineer.

01 WHAT IT FINDS

- **Bypassed interlocks:** jumpered, switched off or held by a selection.
- **Defeated signals:** disabled alarms, forces, simulation.
- **Logic changes:** conditions, limits and timers, by rung.

02 ANSWERS FOR EVERY ROLE

- **Ask in plain words:** "what trips the kiln ID fan?"
- **If this stops:** what else stops, and what must run first.
- **Bypass register:** who approved it, why, until when.

03 WHAT PLANTS GET FROM IT

- **No silent bypasses:** each one ranked, with an owner.
- **Fewer surprise trips:** changed trips and timers caught.
- **Audit-ready:** bypass log and change history for MOC.
- **Management informed:** daily and weekly reports.

04 SIMPLE TO RUN

- **Windows PC, fully offline;** your logic stays on site.
- **Allen-Bradley** today; Siemens and Honeywell coming.
- **Annual subscription** per plant; free 3-department trial.
- Part of **MAC Suite**: findings feed MACPIA and MACDATA.

05 FROM YOUR EXPORTS TO A DAILY WATCH · FIRST AUDIT IN A WEEK

STEP 1
Send
One L5X export per controller in a pilot area, plus your design interlock list.

STEP 2 · WEEK 1
Audit
Every interlock mapped, every bypass and change found, reviewed with your engineers.

STEP 3 · MONTH 1
Daily watch
Installed on site: daily report every morning, bypass register in use.

STEP 4 · MONTH 3+
Plant-wide
Every department covered, and a functional description for each.

Built by cement people. MACLOGIC is developed by Macprotec Engineering in Houston, whose team has designed, commissioned and operated cement plants around the world.

Send us one export. We'll show you what is bypassed.

MACPROTEC ENGINEERING
Makers of MACLOGIC · Excellence in Process

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