



Uso de Git en para control de Versiones en Automatizacion Industrial

Softwar Libre y Compromiso Social

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SOFTWARE Y HARDWARE

AUTOMATIZACION

COLEGIO SALESIANO SAN LUIS REY

PALMA DEL RIO

- **INTRODUCCION AL SOFTWARE LIBRE**
- **LINUX.DISTRIBUCIONES.ESCRITORIOS.**
- **GIT**
 - **EJEMPLO MAQUETA.**

SOFTWARE Y HARDWARE AUTOMATIZACION

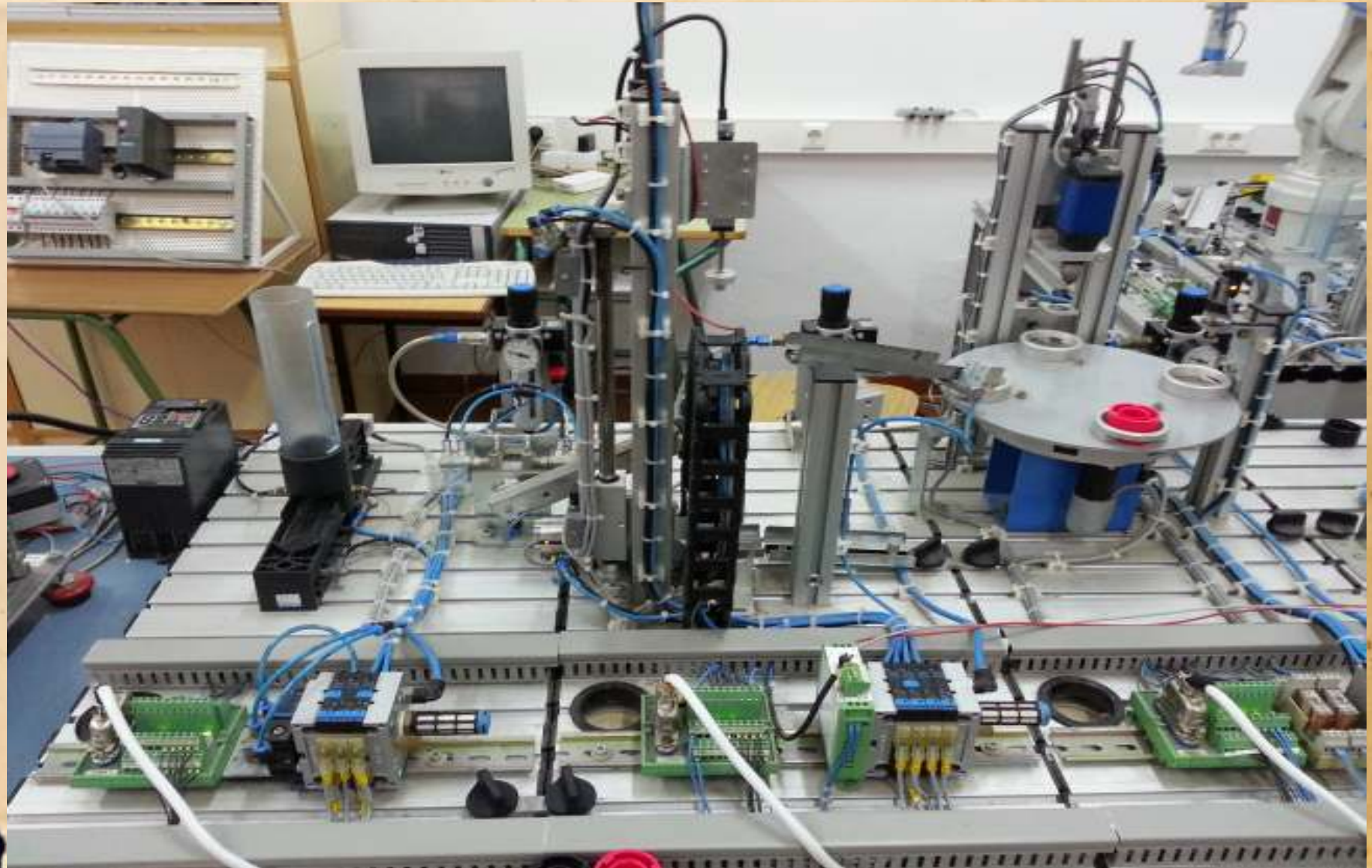
SOFTWARE PRIVATIVO

- **SIEMENS**
- **ALLEN BRADLEY**
- **FESTO**
- **MITSUBISHI**

AUTOMATA SIEMENS S300



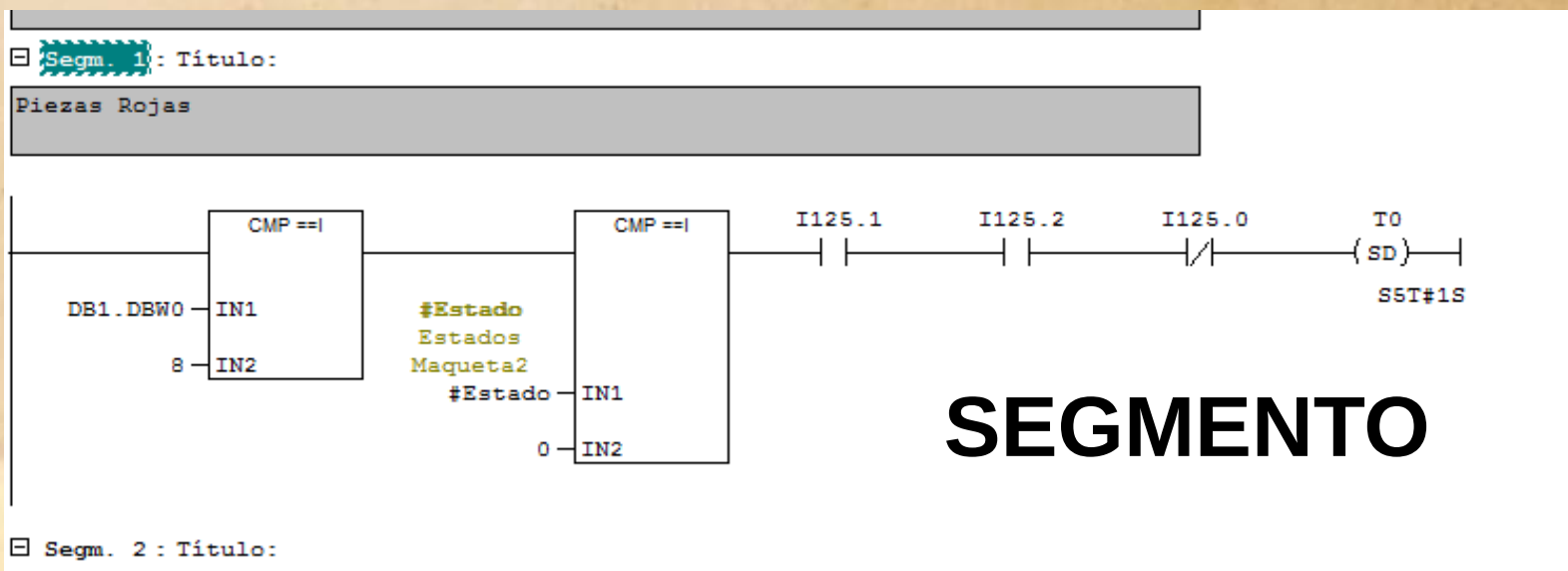
MAQUETA



SOFTWARE TIA PORTAL SIEMENS



FC



SEGMENTO

SOFTWARE TIA PORTAL SIEMENS

The screenshot displays the Siemens TIA Portal software interface. The main window shows a ladder logic program for a PLC (CPU 315-2 PN/DP) in the 'Main' program block. The program is titled 'Main Program Sweep (Cycle)'. The ladder logic consists of two networks:

- Network 1:** A normally open contact labeled '%M0.0' with the comment 'Start' is connected in parallel with a normally closed contact labeled '%Q0.0' with the comment 'Run'. This parallel combination is connected to a normally open contact labeled '%M0.1' with the comment 'Stop'. The output of this network is a coil labeled '%Q0.0' with the comment 'Run'.
- Network 2:** This network is currently empty.

The interface includes a project tree on the left, a toolbar at the top, and a right-hand pane with 'Instructions' and 'Options' tabs. The status bar at the bottom shows 'Properties', 'Info', and 'Diagnostics'.

SOFTWARE STEP 7 SIEMENS

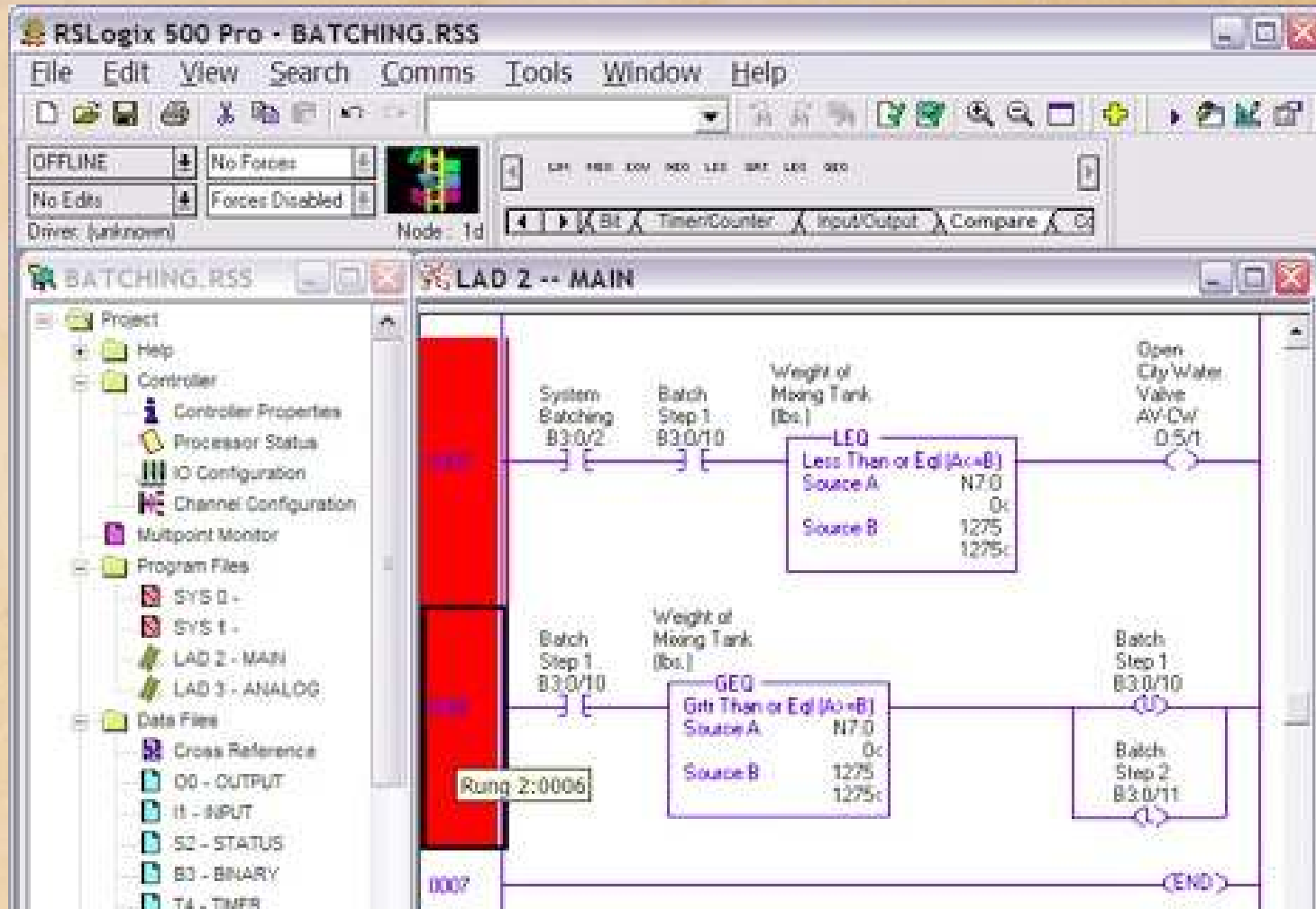
The screenshot displays the Siemens STEP 7 software interface. The title bar indicates the project path: KOP/AWL/FUP | OBI - Maqueta(SIMATIC 300(1)/CPU 314IPM). The menu bar includes Archivo, Edición, Insertar, Sistema de destino, Test, Ver, Herramientas, Ventana, and Ayuda. The toolbar contains various icons for file operations and editing.

On the left, a tree view shows the project structure with folders for 'Nuevo segmento', 'Operaciones lógicas con l', 'Comparación', 'Conversión', 'Contaje', 'Llamada DB', 'Salto', 'Números en coma fija', 'Números en coma flotant', 'Transferencia', 'Control del programa', 'Desplazamiento/Rotación', 'Bits de estado', 'Temporización', 'Operaciones lógicas con p', 'Bloques FB', 'Bloques FC', 'Bloques SFB', 'Bloques SFC', 'Multinstancias', and 'Librerías'. The 'Operaciones lógicas con l' folder is expanded, showing a sub-folder 'Interface' containing a variable 'TEMP'.

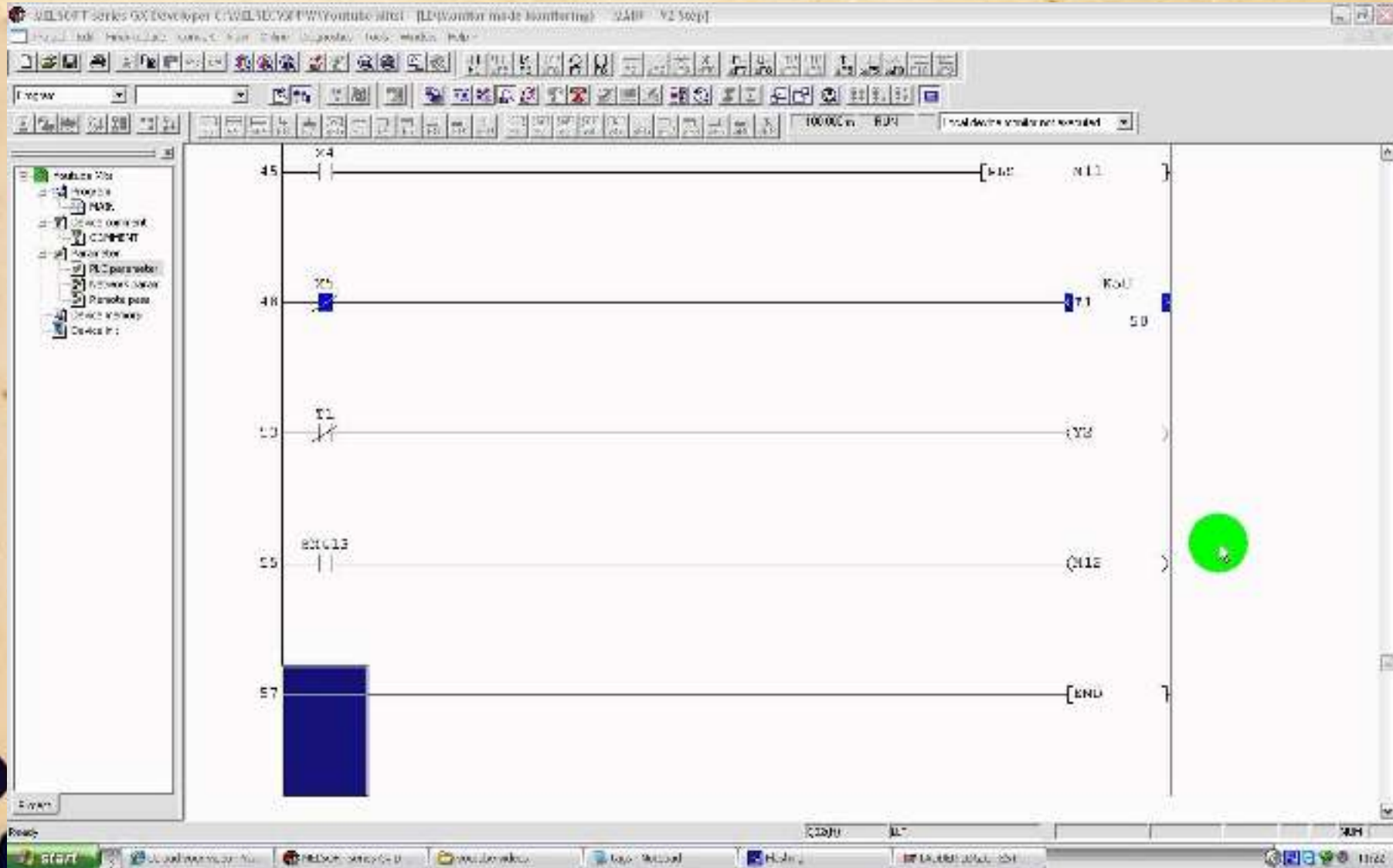
The main workspace shows a ladder logic diagram for the network 'OBI - "Main Program Sweep (Cycle)"'. The diagram consists of a single rungs with a normally open contact labeled 'T124.0' in series with a coil labeled 'Q124.0'. Above the diagram, there is a 'Comentario:' field and a 'Titulo:' field.

At the bottom, a status bar shows navigation icons and page numbers: 1: Error, 2: Info, 3: Referencias cruzadas, 4: Información operando, 5: Forzado, 6: Diagnóstico, 7: Comparac. A footer note reads: 'Pulse F1 para obtener ayuda.'

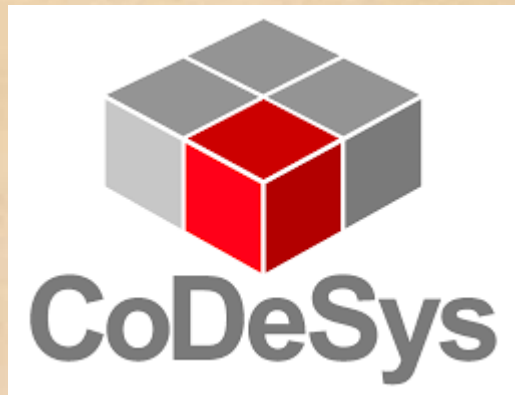
SOFTWARE SOFTLOGIX ALLEN BRADLEY



SOFTWARE GX DEVELOPER MITSUBISHI



CODESYS



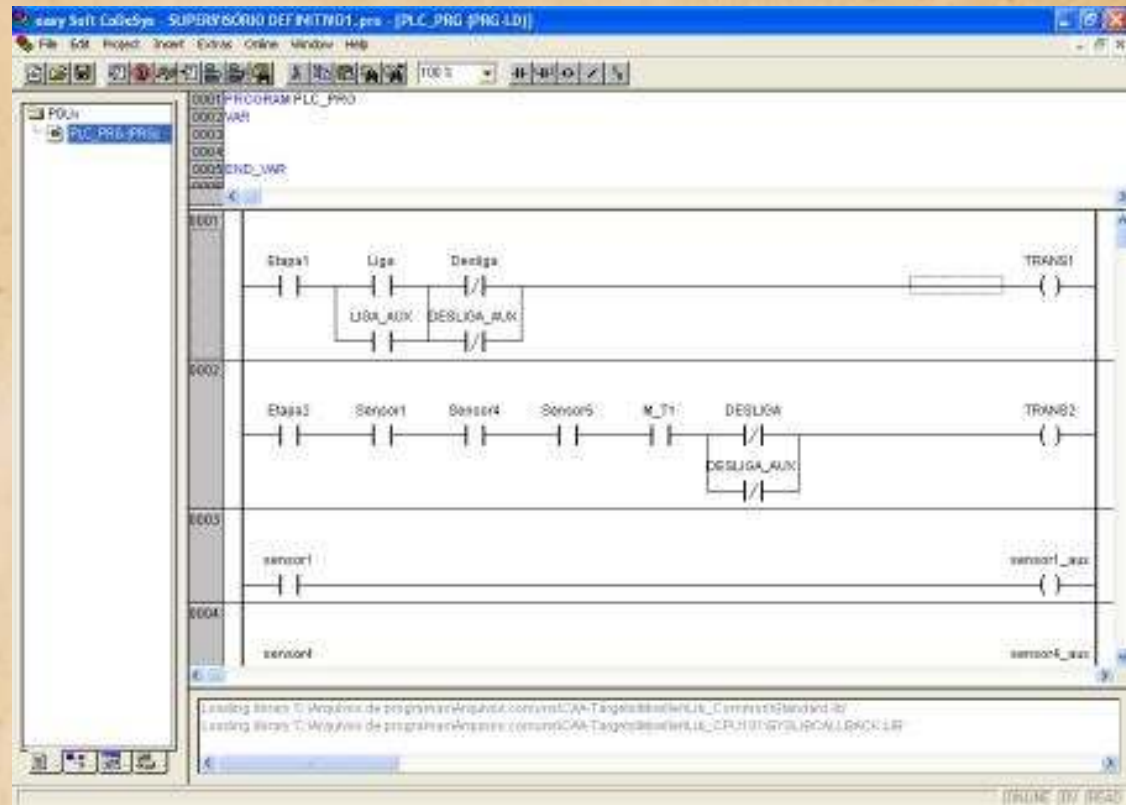
IEC 61131-3

FESTO

ABB

EATON

SCHNEIDER



ARDUINO Y RASPBERRY



ARDUINO



RASPBERRY



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It makes use of the works of Kelly Loves Whales and Nick Merritt