

**It's Not "Just"
Business -
It's A
Partnership**

Highlights

- A global company with over a decade of distributed consulting experience
- US-based with operations in India and across the globe
- Consultants who have worked in engineering-centric manufacturing companies
- Experienced engineers in control system design, installation and commissioning of major projects
- Professionals have both controls and software skills to satisfy today's customer requirements
- Broad experience in food & beverage, pharmaceutical, packaging and other industries
- Rigorous quality system for controls engineering
- ISO 9001:2000 certified with a focus on the future through continuous improvement initiatives
- Stringent security procedures that ensures all confidential information is under maximum control and protection including customer drawings and documents
- Strict adherence to intellectual property rights

**Barry-Wehmiller
International Resources**



**Controls & Automation
Engineering**

Controls & Automation Engineering

Barry-Wehmiller International Resources (BWIR) is part of the consulting group of Barry-Wehmiller Companies, Inc. a diversified company founded in 1885. With headquarters in St. Louis, Missouri and primary operations in India, BWIR offers the combined benefits of the proximity and dependability of a US company with the affordability of distributed operations.

BWIR's controls engineers' capabilities can take electrical and control system design engineering projects from design to installation & commissioning.

SERVICE OFFERINGS

- Implementing machine vision systems
- Electrical systems design including control panels and schematics/supply
- System design using PLC
- Machine automation using PLC, HMI and SCADA
- Value added software tools for SCADA systems
- Installation, commissioning and training services
- Upgrades to existing systems in the field
- Manufacturing Execution System (MES) integration with ERP systems including third party devices
- Platform migration for Electrical CAD, PLC and HMIs
- RFID systems



AREAS OF EXPERTISE

Manufacturing Execution Systems:

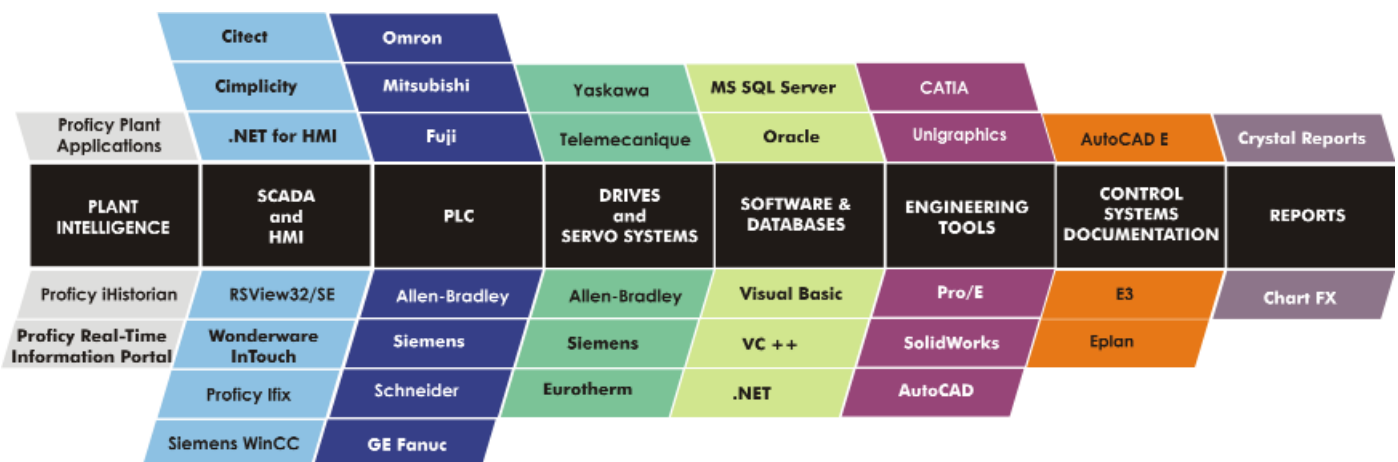
BWIR has developed sophisticated systems for the food & beverage, pharmaceutical and packaging industries. These systems have included features like order processing, recipe management, alarm management, history trending, report generation and integration to ERP systems.

Machine Automation:

BWIR specializes in PLC programming using a wide variety of controllers from Rockwell Automation, GE-Fanuc, Siemens and others. In addition, BWIR engineers have expertise in designing control systems incorporating sensors, servo motors, drives and various transmitters.

Electrical Design:

BWIR uses current CAD software like Adept-e, E3, EPlan and AutoCAD E for electrical schematics per ISA/IEC/IEEE or customer specific standards. Design includes control panel schematics, electrical schematics, wiring diagrams and bills of material.



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