e2i ™
Quality People. Quality Results.

Labels in the illustration:
- Pure Water
- Control Panel
- Manufacturing Intelligence
- Water Treatment
- Polymer Beads
- Water Bottling Machine
- Raw Water
- Humidity Sensor
- Injection Molding Machine
- Color Difference Sensor
- Shrink Wrap Machine
- Bottle Capping Machine
- Label Machine
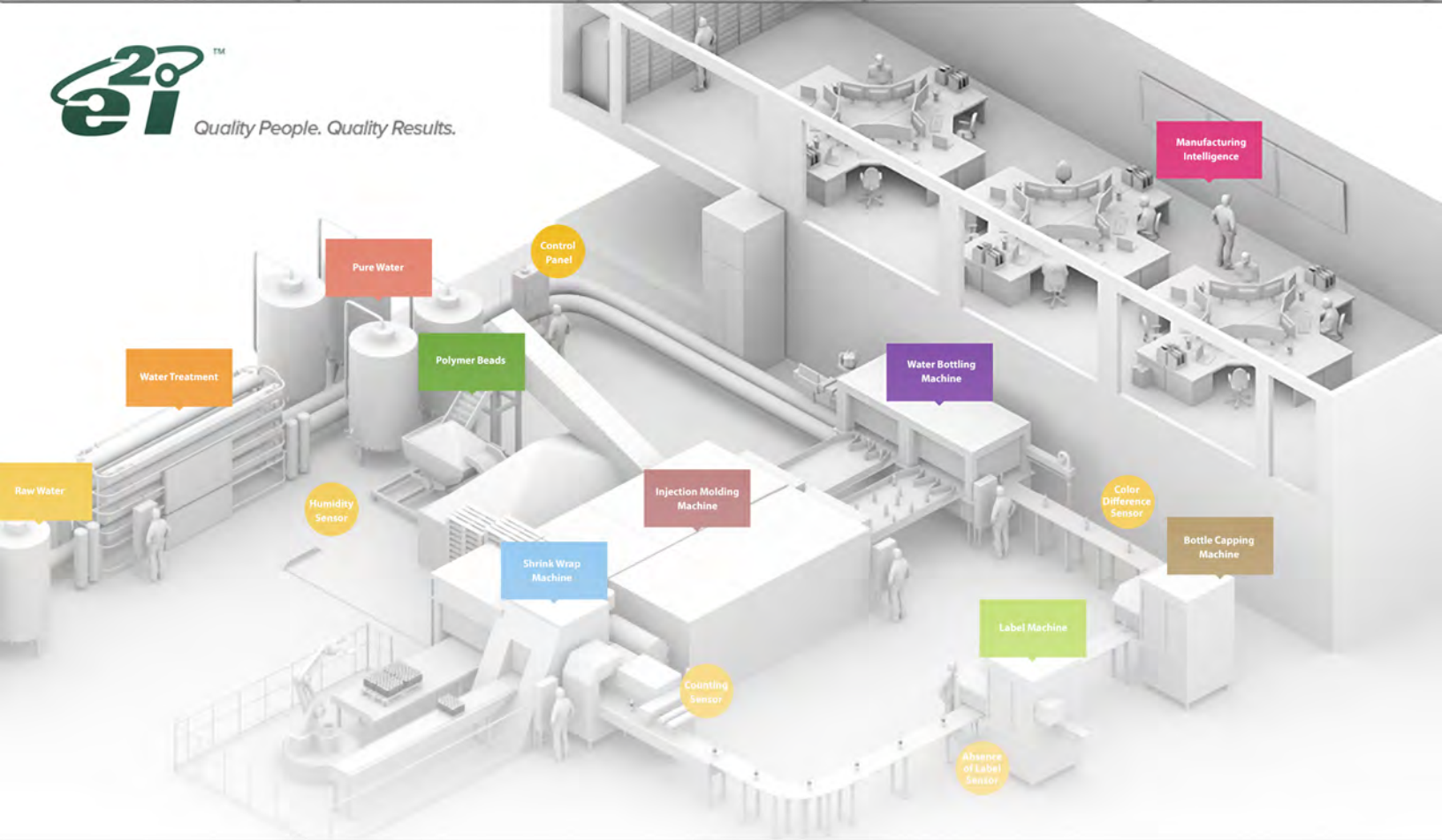- Counting Sensor
- Absence of Label Sensor

E2i Capabilities

Revolutionize Your Manufacturing Process

For over 25 years, E2i has served the Life Science, Food and Beverage, Manufacturing, and Chemical industries through innovative solutions and services. Specializing in the fields of Automation, Validation, Manufacturing Intelligence, and Control Panel Design and Fabrication, E2i employs the best and brightest engineers to achieve quality results for projects of all scales and complexities.
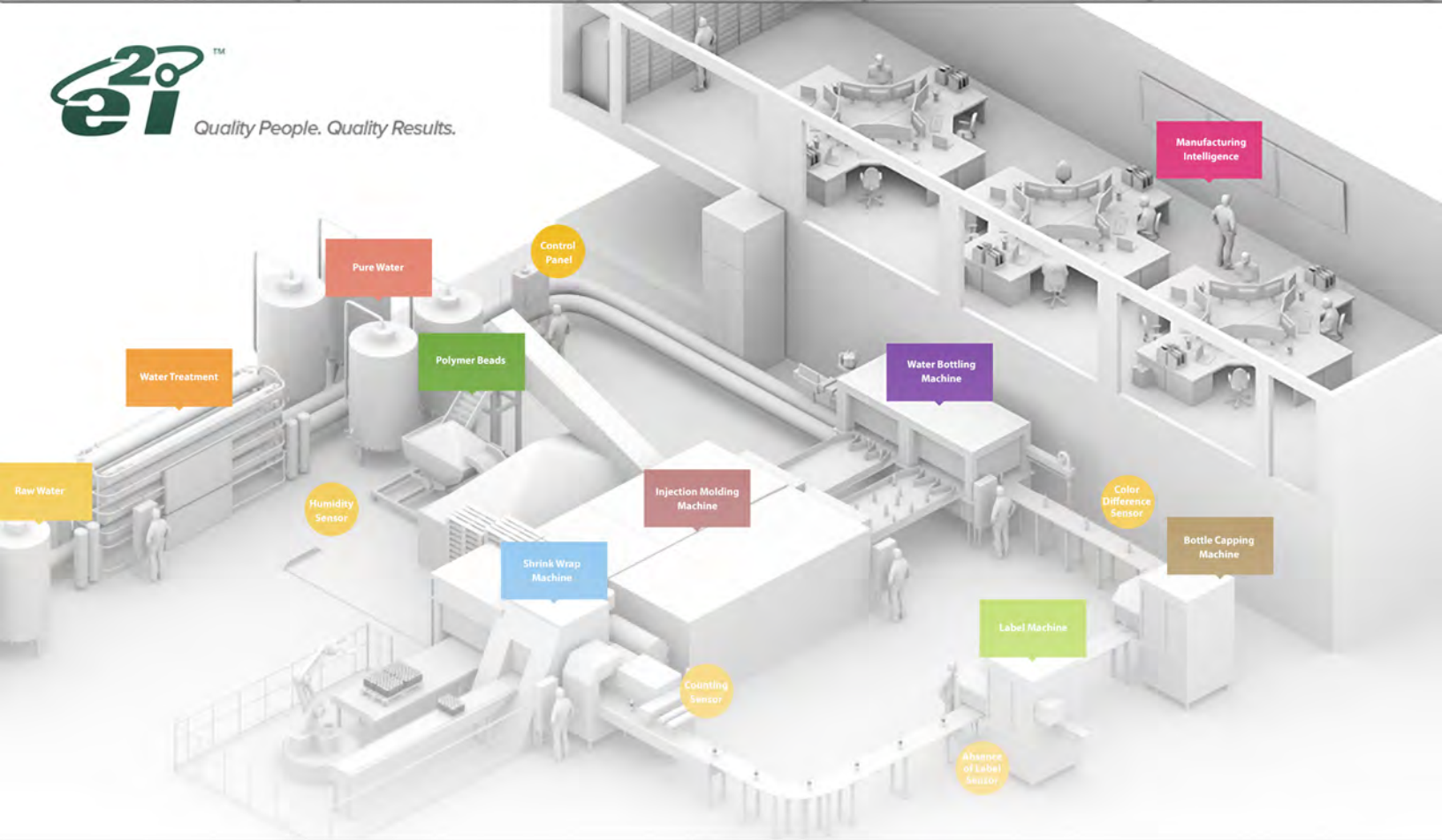
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E2i Capabilities

Manufacturing Automation and Process Control

E2i delivers automation control solutions using the industry's top PLC, motion control, distributed control and simulation systems. We also provide high-quality operator interfaces, SCADA and batch management applications; solutions for database, reporting, web and script applications; and a variety of design capabilities including specification development and documentation/CAD services. Our services include, but are not limited to: Design Specifications, Piping and Instrumentation Diagrams (P&ID), Electrical and System Schematics, Process Flow, Loop/Network/Logic Flow Diagrams, as-built, redline and drawing revisions and conversions.
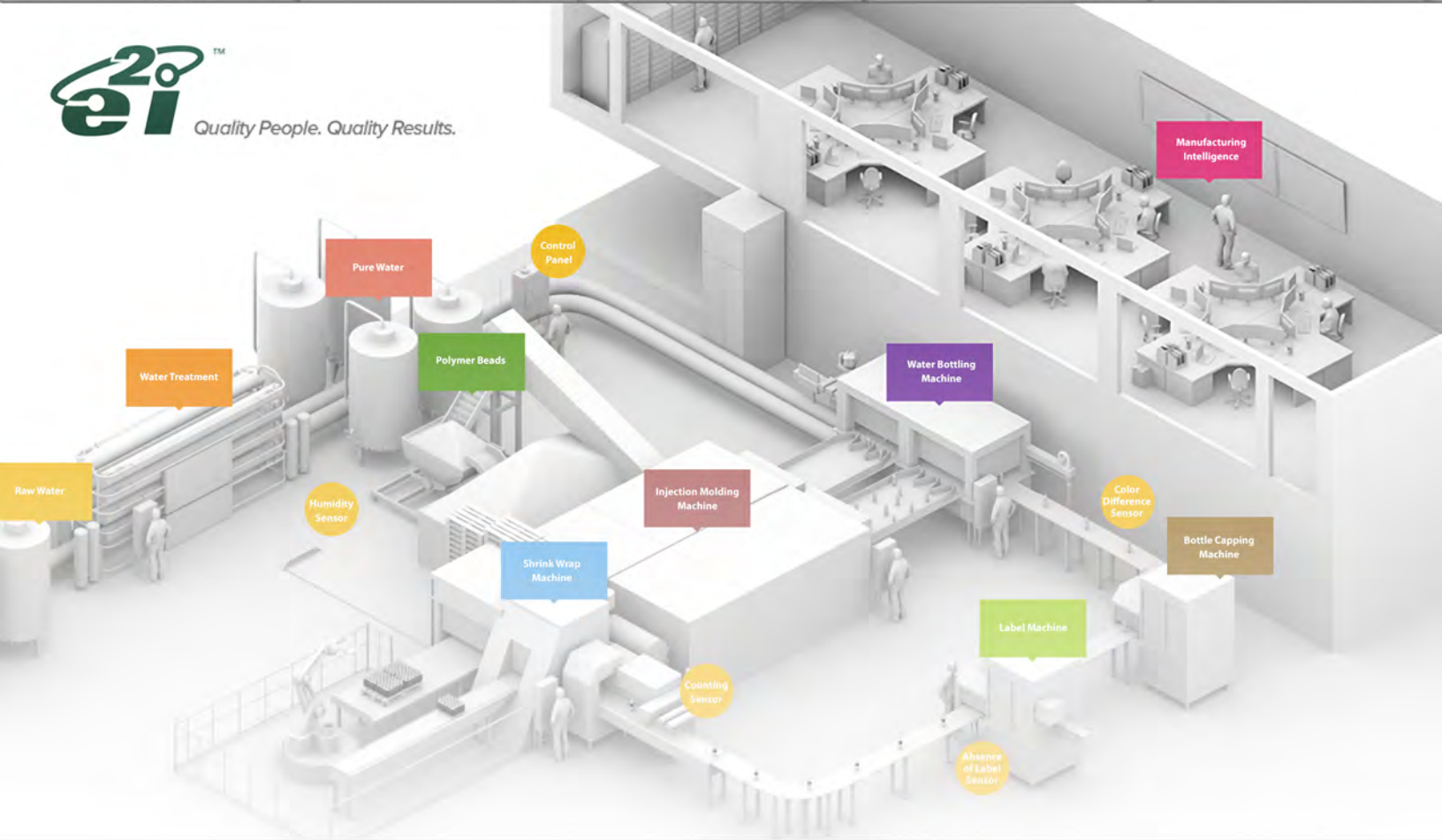
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E2i Capabilities

Validation and Code Compliance

Typical E2i validation responsibilities include the development of validation plans, system documentation and change controls; development of test case documentation, IQ/OQ protocols and SOPs. E2i follows the GAMP 4 model in its validation approach.
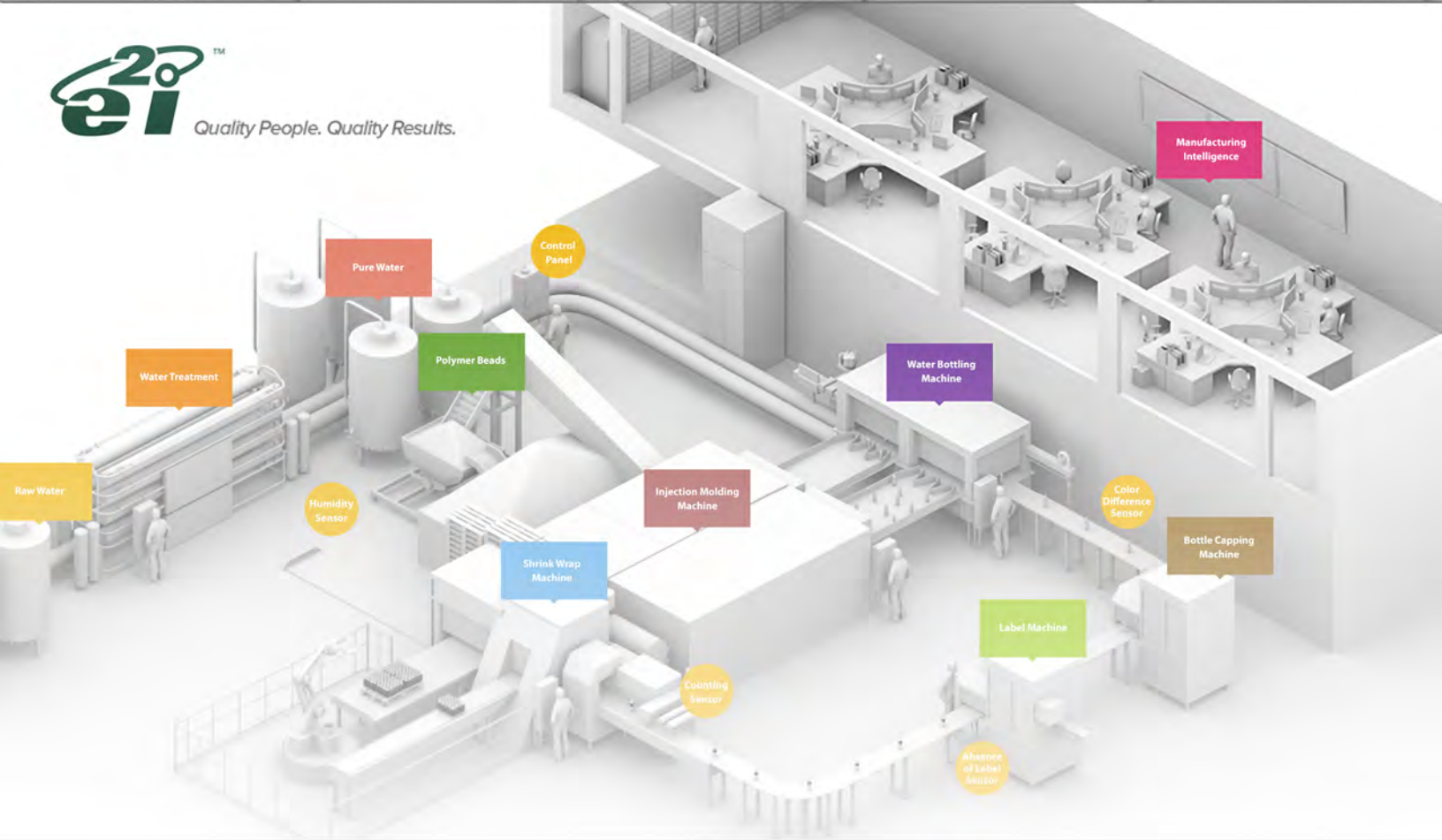
E2i Capabilities

Manufacturing Intelligence

E2i's seasoned software engineers develop tailored, integrated solutions, specializing in network design and server installations, administration, support, and data mining, analysis and optimization.

Database design and development ranges from small to Enterprise level and is built on best-of-class platforms and configurations for security, reporting, storage, and performance.

Environments: Oracle/MS-SQL, MySQL, PostgreSQL, Crystal Reports/XML, Visual Basic, VBA, C++, C#, Web-based solutions
Languages: .NET, Visual Basic, C/C++, C#, Java, Perl, VBScript, JScript

Manufacturing Intelligence

Control Panel

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E2i Capabilities

Control Panel Design and Fabrication

E2i has provided electrical/controls CAD and design services since 1990, using JIC and ISA standards. We typically provide the following deliverables and services: Layout and system schematic drawings, control panel fabrication and retrofitting, cloud-based drawing management, PLC/HMI programming, system documentation, testing and commissioning. Control panel designs include full sets of AutoCAD drawings, conversions, and revisions.