

# Embedded Engineering

An Optimal Solution to Today's Tough Maintenance and Engineering Staffing Challenges

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Increasing downtime costs, skill gaps created by new technologies and continual reduction of personnel budgets can wreak havoc on a company's maintenance strategy.

From production line upgrades to pilot plant coordination, you need a reliable solution to keep your plant operations running as smoothly as possible while still achieving departmental and corporate goals.

Our Rockwell Automation field service professionals are available as on-site embedded resources capable of providing dedicated engineering support and maintenance services to meet your needs. By incorporating highly-trained and qualified professional resources to your staff, Rockwell Automation can complement the skills of your current personnel to help you gain higher operational efficiencies, improve production performance and achieve faster time to market.



The Rockwell Automation Embedded Engineering program represents the highest level of collaboration between Rockwell Automation and our customers, and delivers the greatest overall service value in terms of return on investment.

By augmenting your existing staff with our hand-selected factory certified field service professionals, we enable you to focus on your core competencies while delivering best-in-class resources to perform a wide range of predictive, preventive and reactive support services custom tailored to help you achieve your maintenance, and production goals.

### Benefits

- Obtain skilled resources to quickly and efficiently complete engineering and programming projects
- Eliminate costs of recruiting, hiring and training
- Reduce response time to equipment malfunctions and unplanned downtime
- Perform scheduled preventive maintenance
- Improve machine operator skills and internal troubleshooting capabilities
- Supplement operations/maintenance staff during peak workloads
- Obtain spare parts and additional services through one resource
- Fully protect your biggest investment — your operations

LISTEN.  
THINK.  
SOLVE.™

## Embedded Engineering — A Valuable Resource

Rockwell Automation Embedded Engineering field service professionals are factory-trained and have direct access to additional Rockwell Automation resources to help you achieve your goals.

Customers from a wide range of industries who have utilized our embedded engineering services have reported a 50% to 95% reduction in downtime in just the first year, and some have even successfully eliminated unscheduled downtime completely. Customers who chose a comprehensive program have seen a 5% to 7% increase in production throughput.

Rockwell Automation Embedded Engineering can help you:

- Reduce liability for equipment malfunction or failure
- Reduce equipment startup time
- Extend equipment life
- Improve machine and production performance
- Improve product quality
- Improve internal operations and maintenance personnel skills
- Improve time to market

### Rockwell Automation field service professionals possess a wide range of skills to respond to your specific needs.

#### Operations

- Start-up, conversion and upgrade assistance
- Application development
- Production equipment trending/analysis with recommendations for improvement
- Project management
- OEM coordination
- On-the-job training

#### Maintenance

- Reactive and scheduled preventive maintenance activities
- Completion of pre-defined maintenance checklist
- Machine performance verification
- Equipment inspection
- Software back-up and revision control
- Regular equipment status review (current equipment performance compared to previous baseline)
- Supervision of plant maintenance personnel

#### Engineering

- Manage automation software and networks
- Migration management including design upgrades and retrofits

#### Troubleshooting/Repair

- Immediate on-site emergency breakdown response
- Procurement and installation of replacement parts

#### Coordination of related Rockwell Automation services:

- Large project services
- Rockwell Automation training classes
- Network services
- Safety risk & hazard assessment coordination
- Installed-base evaluations
- Parts Management Agreements
- Asset Management programs (RAAMP)

### For More Information

For more information about Embedded Engineering, call 440-646-3434, contact your local authorized Allen-Bradley distributor or Rockwell Automation sales office or visit:

<http://www.rockwellautomation.com/services/onsite/embedded.html>

For local sales & support contact information visit:

<http://www.rockwellautomation.com/locations>

[www.rockwellautomation.com](http://www.rockwellautomation.com)

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