

# Report Optimizer

## Highlights

- Invest in only your needs, not everyone else's
- Documentation of your product quality
- Avoid downtime
- Prevent tampering
- Be at the forefront of tomorrow's regulations

## Knowledge is Profit Power

ESE's optimized reporting solutions put the right information at your fingertips to help you prevent costly mistakes and ensure the highest level of profitability.

### Sophisticated Software

Reporting is generated using a combination of tools, including:

#### Data Retrieving Software

- Rockwell Software's RSLinx
- Rockwell Software's RSSQL
- ESE's proprietary Transaction Optimizer

#### Data Storing and Reporting Software

- Microsoft Office
- Microsoft SQL server

#### Enterprise Reporting Systems

- Rockwell Software's FactoryTalk Manager
- Rockwell Software's FactoryTalk Historian

### Flexibility

ESE's reporting solutions are presented at multiple levels for varying information needs and budgets. Forward migration is always available no matter what strategy or level is selected in the beginning. All information is securely stored in a Microsoft ODBC Database or SQL format.

### Thorough Reporting

Capture your process with formalized batch and process (i.e. CIP) reports recording the steps, step durations, set points and actual measured values. Recall and review your history as needed.

### Valuable Trending

Graphically complement your reports or independently highlight processes critical to your profits. These quick summaries provide historical and predictive information that can help you avoid costly downtime.

### Event Tracking

- Record events like alarms and HMI operations to help ensure quality and backtrack anomalies
- Maintain consistency by keeping copies of your original and modified recipes, login deviations or alterations
- Assist in capital preventative maintenance by monitoring and tracking equipment functions (valve actuation, pump run time, etc.)

### Lot Tracking

Review and prove your production from start to finish for customers requiring documentation.

### Security

Prevent data tampering and ensure information authenticity by controlling access to key manufacturing data.

### 21 CFR Part 11

ESE works with you and your inspector to develop a compliance program that meets 21 CFR Part 11 requirements. ESE will assist in implementing the program that may include:

- electronic record storage
- electronic signatures
- physical and logical security
- audit trails
- Standard Operating Procedures
- training and accountability
- system and process validation
- change control methodologies
- backups
- archiving data
- restoring data
- generating reports



## ESE: A Strong Partnership with Lasting Results

Partner with ESE and see how we can help you minimize your fixed costs and increase profits by offering the best in process automation and control systems solutions. Contact us to learn more about the advantages of teaming up with ESE and tapping into the knowledge of our engineering experts.

**Optimizing the Process.**  
*Maximizing Your Profits.*

# ESE

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## Engineering Solutions Experts

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