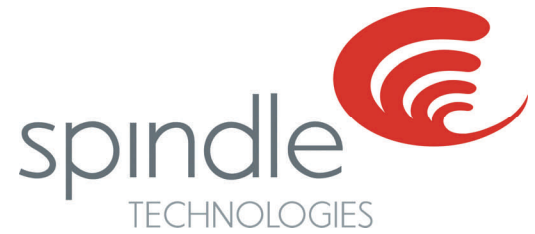


Industrial Laundry

DIRECT LABOR & UTILITIES CASE STUDY



Spindle Direct Labor & Utilities Module

Case Study

Industrial Laundry Reduces Direct Labor and Utilities Costs

BEFORE

- Manual Entry
- Inaccurate Data
- Time Consuming
- Too Late to Act On
- Accusations of Favoritism
- No Detail or Trends

Business Situation

Employee production numbers were being manually collected by supervisors. Data was often incomplete, inaccurate, and not available until one to two days later. In addition, the process took a lot of time to collect and compile and was often challenged by employees as influenced by favoritism. Utilities were also collected manually using bills.



Real Time, Easy-to-Understand Employee Feedback

Solution

The Spindle Direct Labor Module was implemented at the facility to automatically track employee name, ID, goods classification, equipment, work area, shift and counts directly from the equipment sensors. The Utilities Module was added with meters for all major natural gas and water consumers, plus temperature and level information.

AFTER

- Visual Workplace
- Automated Data Collection
- Real-Time Coaching
- Improved Workflow
- Saves Time
- Instant Alerting
- Reporting & Trends
- Benchmarking
- Improved Morale
- Troubleshooting
- Consultancy Services
- Extranet Reporting

Benefits

Visual work place provides real-time information so:

- employees assume responsibility for their own performance;
- supervisors can provide timely coaching and mentoring on-the-job
- creates fair, competitive environment amongst peers
- increases visibility of bottleneck and helps improve flow through the plant
- Identifying and correcting natural gas & water excursions promptly

Automated Data Collection and Data-basing

- Saves time, allowing supervisors/managers to focus on value-added tasks
- Provides accurate and timely data for displays and reports
- Tracks employee movements from work areas, equipment, breaks, lunch
- Exporting to incentive pay software
- Using the Spindle Utilities Management Program

Post Spindle Annual Improvements and Savings

| | |
|--------------------------------|-----------|
| Overtime | 50% Lower |
| Labor Cost as % Revenue | 14% Lower |
| Natural Gas Consumption per lb | 7% Lower |
| Water Consumption per lb | 7% Lower |

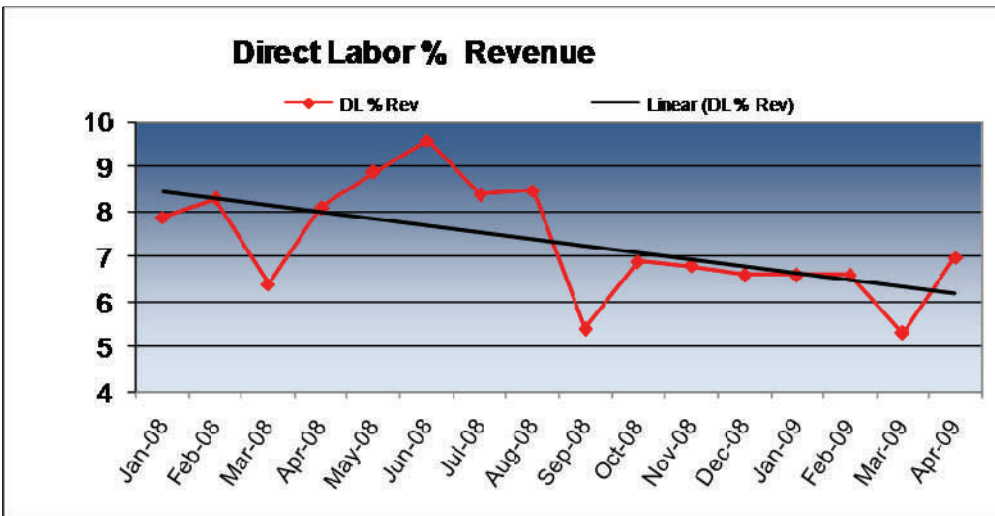
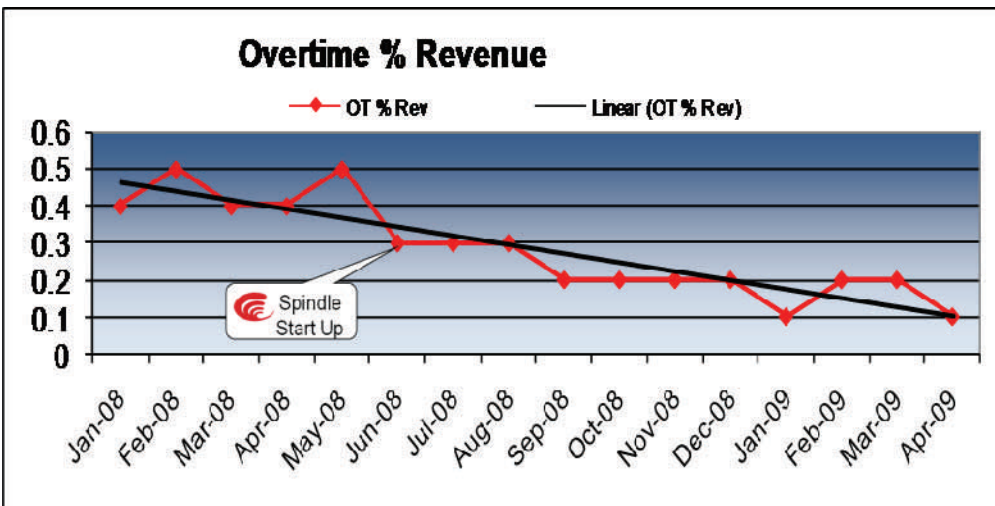
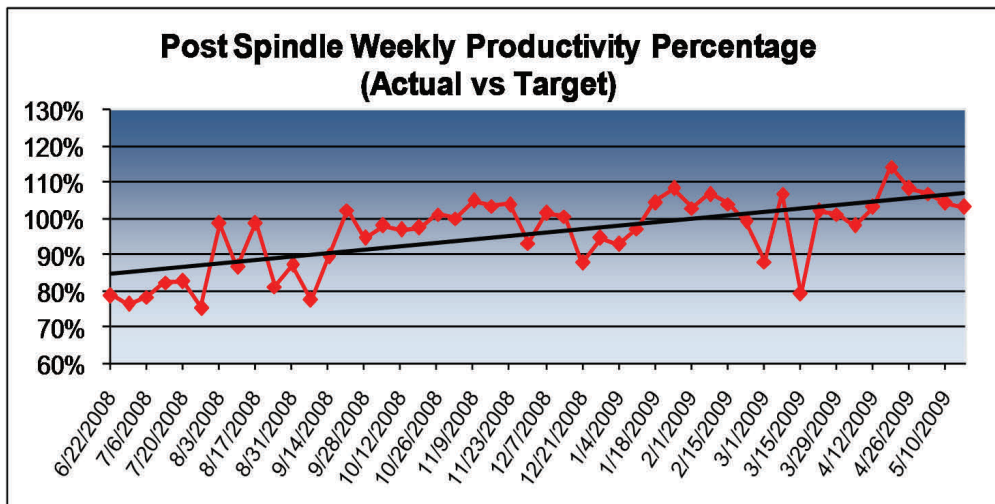
\$119,000 Savings

ABOUT SPINDLE TECHNOLOGIES

A leading provider of technology solutions and consulting for the laundry industry. With many years of diverse experience, Spindle brings a significant level of expertise, knowhow and value to laundry customers across the country.

Major Offerings:

- Direct Labor Module
- Utilities Module
- Consultancy Services



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