Baking Beans

A TrakSYS™-Powered Success Story of Production Management at Bush Brothers & Company

About Bush Brother's & Company

BUSH'S BEST® is all about family, friends that feel like family, and a certain Secret Family Recipe. When you enjoy our beans (doesn't matter if they're baked beans, black beans, pinto beans, great northern beans ... you get the picture), you can trust that they're the very best, because we wouldn't serve your family anything less. Since we got our start over 100 years ago in Chestnut Hill, Tennessee, BUSH'S has always maintained that quality is the best policy. We pursue excellence and exceptional taste in our beans, sauces, and everything we do. That's why, from mouthwatering Baked Beans to satisfying bean recipes, you're cooking up the best with BUSH'S BEST®. To learn more, visit www.bushbeans.com

Overview

The Bush family company started over 100 years ago in Tennessee. As a canning company, they focused primarily on canning fruits and vegetables to meet the market demand of the roaring 20's. In 1952, everything changed when the company began producing "table ready" products. With the development of Bush's secret family recipe baked beans, Bush Brothers quickly became the largest provider of canned beans in the world.

Already producing more than 55 million pounds of beans annually, Bush Brothers needed to find a way to optimize their operation to meet increasing customer demand. Working with Parsec, Bush Brothers set out to implement a TrakSYS solution that would help them do just that.

Challenges

> Heavily paper-based operations

> Disparate implementations

> Lack of real-time data

> Minimal visibility into root causes of production downtimes

> "Before TrakSYS, we had a homegrown software solution in place, and it showed us that there were benefits to be gained by relying on a software solution to help log downtime."

Tony Peterson, Operation Manager, Bush Brother's & Co.

Goals

> Monitor equipment downtime

> Limit process variability

> Create E-records

> Elevate quality

> Increase compliance with HACCP

> Digitize task management

> Provide real-time metrics for equipment performance

> Help enforce Kaizen principles

> Utilize existing assets

> Enable predictive maintenance

Why TrakSYS

When designing their TrakSYS rollout, Bush Brothers and Parsec determined that a phased rollout, with a goal of implementing TrakSYS solutions throughout the entire factory, was the best approach. The integrated architecture would provide Bush Brothers unprecedented, comprehensive real-time visibility into their manufacturing processes. The big picture would see TrakSYS integrate with the existing ERP system (for planning and scheduling), SCADA system (for production data), and plant historian (to monitor SPC). Operator workstations would be strategically installed to promote fluency and engagement.

"We wanted to be able to take the program out of the box and configure it to fit our needs. With some of the other options we looked at, the suppliers took the position that this is the way it works and the only way it works. That was not the case with TrakSYS. Our operators had a lot of input into developing what the final solution looked like. Actually, we are still moving forward today, getting a little deeper and making our operations even more efficient. You could describe it as a living program."

Tony Peterson, Operation Manager, Bush Brother's & Co.

Key TrakSYS Features

Performance Management

E-Records

Electronic Log Books

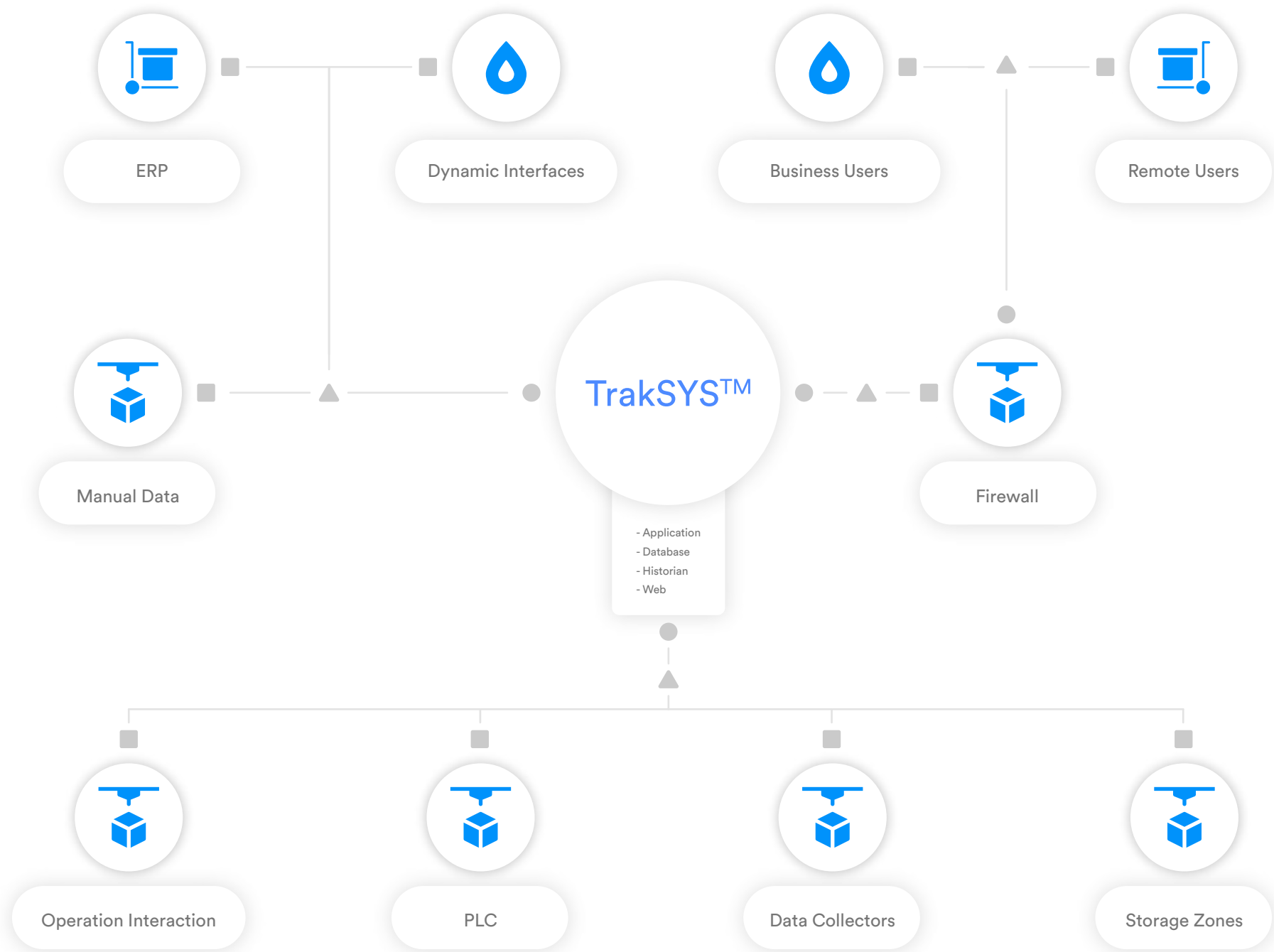Quality Management

Regulatory Compliance

Production Scheduling

Production Management

Task Management

Solution Architecture

ERP

Dynamic Interfaces

Business Users

Remote Users

TrakSYS™

Manual Data

Firewall

- Application
- Database
- Historian
- Web

Operation Interaction

PLC

Data Collectors

Storage Zones

Results

96.2% increased quality to 96.2%

2.2 Million additional cases of product created a year

$395,000 of savings for every OEE point improvement

97.9% Achieve a 97.9% planned vs. actual production

> Increase production efficiency to over 86%

> Maximize the impact of existing assets

> Increase on-time order fulfillment to 99.7%

> Meet production goals with 27 fewer shifts

> ROI in less than one year

About Parsec

Utilizing their 30 years of experience in manufacturing, Parsec created TrakSYS™: a best-in-class operations management software application and solution platform designed to significantly improve manufacturing operations. TrakSYS aggregates data from multiple sources to deliver real-time, actionable intelligence that helps manufacturers to reduce production costs, decrease lead time, and improve profitability. TrakSYS is deployed at thousands of factories, in over 100 different countries.

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