



Your Decisive Competitive Edge.

## Synchronized Production Flow

Athena's **Synchronized Production Flow (SPF)** is a proven methodology which helps companies establish a decisive competitive advantage while increasing the bottom-line profits from the shop floor by synchronizing production. In order to establish a decisive competitive advantage, our process addresses the crucial logistical elements of:

- **Reliability** – the company's ability to meet due date commitments to its clients
- **Responsiveness** – the company's ability to shorten its lead time to the market.
- **Optimal Stock Management** – ensuring finished goods availability and variety while reducing the overall stock levels and obsolescence.

Our process is based upon the **Theory of Constraints (TOC)** as presented by Dr. Eliyahu Goldratt in his book *The Goal* published in 1984. The concept of **Simplified Drum Buffer Rope (sDBR)**, as it has evolved, utilizes the TOC Five Focusing Steps and its production paradigms.

The key benefits of applying sDBR include:

1. Increased Production Throughput without major investments
2. Reliable due date performance
3. Less Chaos on the shop floor
4. Exposing excess production capacity to be used for future sales

The first steps required to achieve this level of performance can be **implemented quickly and show dramatic results in a two to six month time frame**. Previous experience shows production lead times can easily be cut in half. Further improvements can be *achieved by utilizing Lean and Six Sigma techniques at constraint resources*.

Our solution delivery process provides a roadmap to meet the immediate needs of such a project as well as a vision for expansion into a holistic solution for the organization.

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