

optinex



**Planning and optimization
throughout the complete
sawmill value chain**

Holistic view of the sawmill value chain

Sawmills today need to gear up to meet the challenges they face at every stage of the value chain. It may be length and prices of raw materials, log sorting, non-uniform material, too many bottlenecks, high cost and a whole lot of other factors.

It is important to have a solution that can increase the bottom line result and drive the complete supply chain guided by end customer demand. It is necessary to have a solution that can balance the working capital costs with lost sales, optimise the processes with quick decisions and respond or act flexibly to the opportunities that arise.

Knowing your value chain

Procurement, product and service development, production, inventory, logistics – these are the business areas that face challenges through the stages. The procurement process includes challenges in managing the raw material supply, supply of semi-finished and finished goods and their costs, quality, waste and even obsolescence of the products.

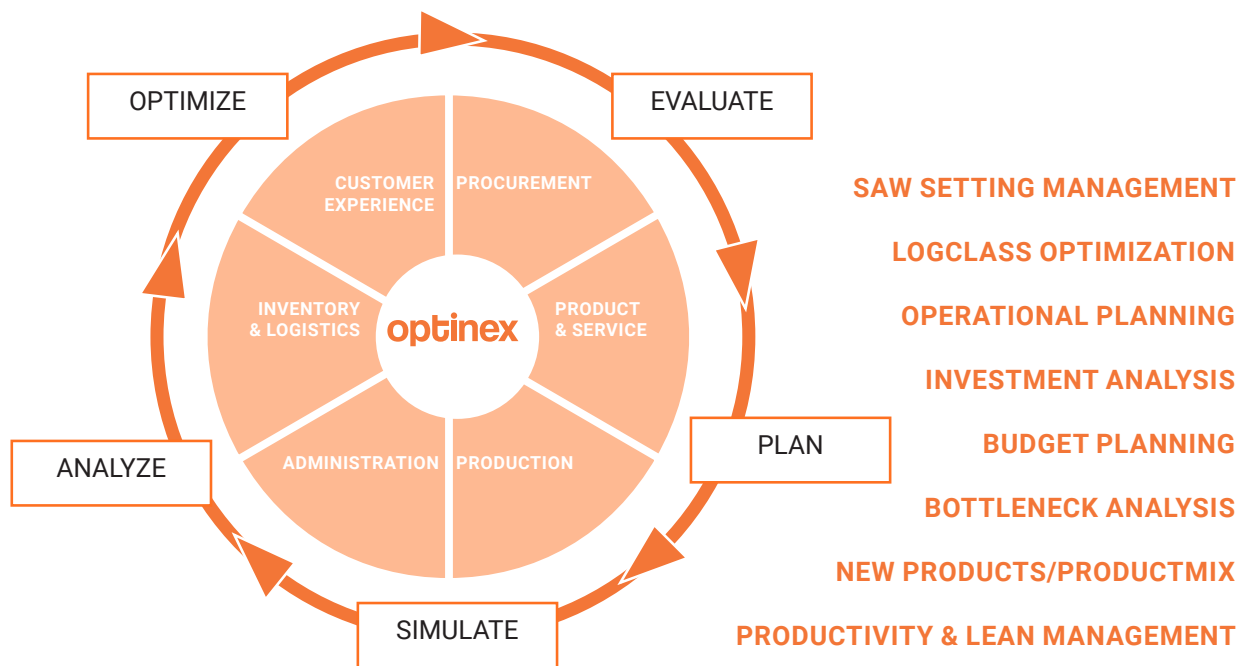
Similarly, during product and service development, raw material and log optimisation are some of the challenges in getting the product mix right. The productivity and the yield, inventory planning and logistics planning are also potential sources of challenges. Overcoming them requires holistic planning tools for decision-making.

Key benefits

- ▶ Increased economic yield
- ▶ Increased total production
- ▶ Lower stock levels
- ▶ Better order fulfilment capability
- ▶ Increased productivity
- ▶ Less manual work
- ▶ Common tool for marketing and production
- ▶ Quick scenario generation with differential analysis

Key features

- ▶ Budget planning
- ▶ Operational planning
- ▶ Investment analysis
- ▶ New products / product mix
- ▶ Log class optimisation
- ▶ Saw setting management
- ▶ Productivity & Lean management
- ▶ Bottleneck analysis



Solution overview

Correct decisions require matching the needs of the end customer, mill restrictions and market changes. Optinex is a toolset for creating a model of production capabilities, simulating saw settings and calculating optimum production plans.

OptiNex offers sawmill planners a complete model of production capabilities, financial information (production costs and prices) and raw material supply, which can then be used to simulate cost contribution based on the sales budget. The sawmill planners can try out different scenarios and compare results without bias at a push of a button.

OptiNex is a single tool that can be used for all planning purposes; strategic, tactical and operational. OptiNex is built to be integrated with other solutions and data sources, such as SAP.

The solution package is customisable – just define your subscription level with the functionalities you need to optimise your sawmill value chain in the most profitable way.



Optinex solution components

Optinex's holistic view of your business is created behind the scenes by its components that can be used in strategic, tactical and operational planning.

Delivery model

We help you all the way from defining the vision to running the chosen solution. This includes shaping the scope and targets, piloting, and continuously giving feedback on usage. The model reduces risk while securing business focus and the most efficient delivery of value-creating solutions to your customers.

The implementation of the Optinex service takes 12-13 weeks. The service will immediately deliver business result and the result and benefits will grow stronger over time.

From planning through simulation to production, Optinex optimises your sawmill's operation, letting you shave costs while improving your customer service and profitability. Get in touch with us to get started on a more competitive business!

Want to know more about Optinex?

Carl Barck • CEO ForestX
carl.barck@forestx.se

