



Opti-Plywood

WEB SERVICE FOR PLANNING
THE PRODUCTION OF PLYWOOD
VENEER AND/OR WOOD PLIES

ABOUT US

Opti-Soft is a Russian IT company, established at Petrozavodsk State University. The company staff includes over 80 qualified specialists with extensive experience in IT as well as in forestry, timber and pulp-and-paper industries.

CLIENTS AND PARTNERS

- Valmet Automation
- Metso
- Outotec
- Siemens AG
- Ilim Nordic Timber GmbH & Co. KG
- Kagazy Recycling
- Kiev pulp and paper mill
- Arkhangelsk pulp and paper mill
- Bratsky DOK
- Vologodskiye lesopromyshlenniki
- Ilim Group
- Ilim Timber
- Karjala Pulp (AO "Kondopoga")
- Migan Pack
- Mondi SLPK
- Pavlovo-Posadskiy gofrokombinat
- Segezha Group
- Solomensky sawmill
- Zapkarelles and many others

CONTACTS

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ADVANTAGES



Increased profitability of production, total yield and/or yield of higher grades



Increased efficiency of obtaining information on key performance indicators of the mill as a whole, and individual orders in particular



Reduction of in-process inventory at all levels by end-to-end planning and optimization throughout the entire production chain



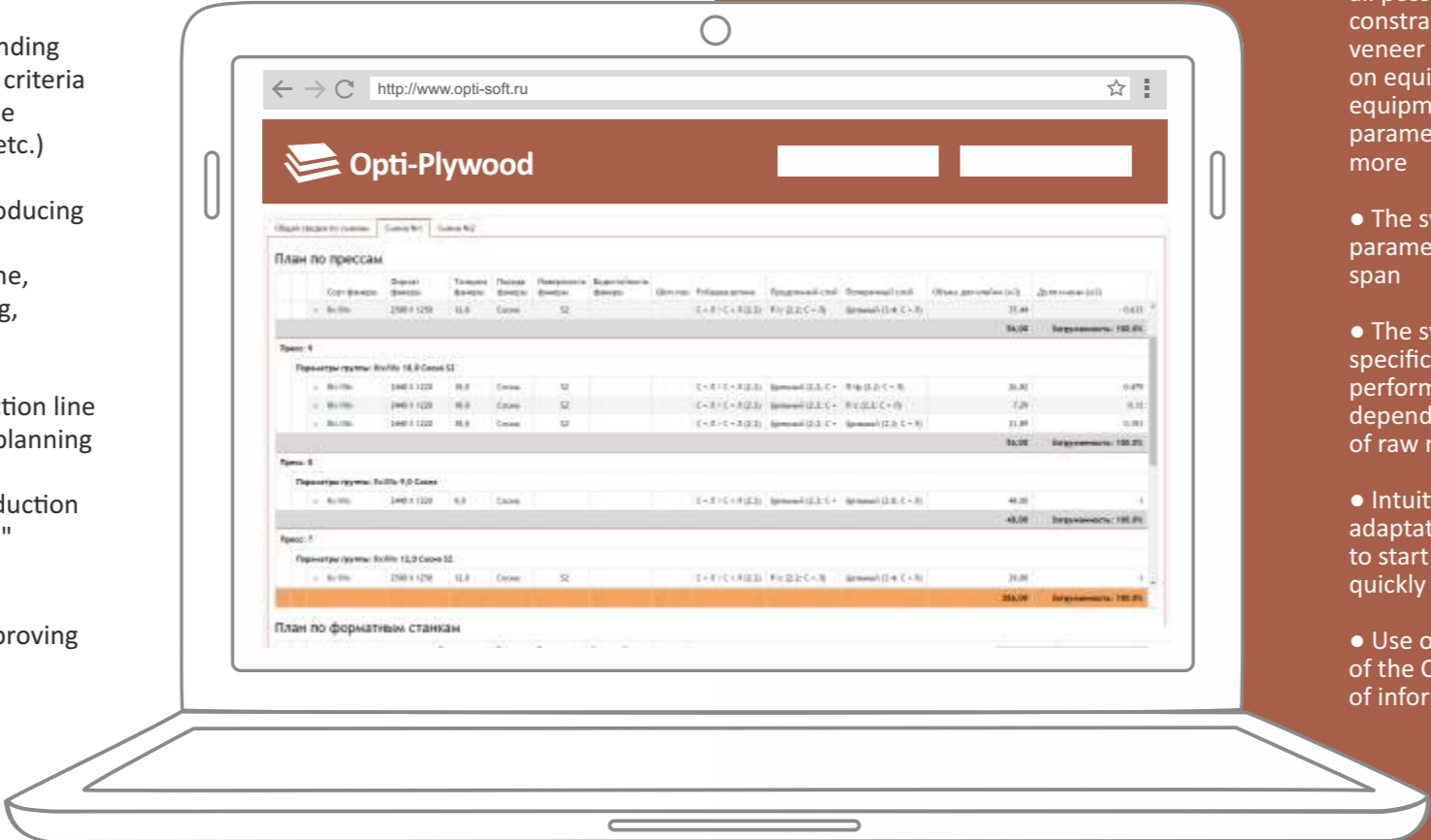
Reduction of time spent by personnel on planning and control procedures due to automation of these processes



Reduction of production orders execution time due to reduced equipment downtimes and tighter production program

OPTI-PLYWOOD ENABLES AUTOMATIC SOLUTION OF THE FOLLOWING TASKS:

- Calculate optimal schemes for bonding the wood plies according to various criteria (yield of finished products by volume or by grades, marginality, revenue, etc.)
- Calculate optimal schedule for producing batches of goods with coordination of entire production line: peeler lathe, drying, layers compilation and gluing, pressing, and further processing
- Identify bottlenecks in the production line and take them into account during planning
- Simulate current or potential production programs using existing and "virtual" equipment
- Provide recommendations for improving calculated plans



- The system takes into account almost all possible features and production constraints: raw materials, wood species, veneer grades and formats, restrictions on equipment use, productivity and equipment operation schedule, plywood parameters, orders priorities, and much more

- The system accounts for requirements, parameters and constraints on shifts time span

- The system takes into account Customer specifics in the calendar plan calculation: performance and schedule of equipment, dependencies of equipment, schedules of raw materials supply, and much more

- Intuitive interface and complete adaptation for Customer processes allow to start the practical use of the service very quickly

- Use of existing accounting systems of the Customer eliminates duplication of information