



**Software Solutions
by LiTROS**

Service

Strong at the start, steady in performance.

With LiTROS, a brand of the LiSEC group of companies, we see service not just as support — but as a real growth engine for our customers. Our goal is to make it easy for glass processors all over the world to get started in industrial production. We do that with well thought out machine solutions, personal support and a strong network in the background.

What you can expect from our service:

- **Reliable support right from the start**
Whether you are just taking the first step towards mechanized manufacturing or would like to modernize your existing machinery — we support you with know-how, experience and a clear focus on your needs.
- **Local contacts — globally connected**
Our local service technicians are available to provide you with advice and assistance. At the same time, you benefit from the worldwide knowledge network of the LiSEC group.
- **Maintenance & support — easy and efficient**
Our systems are designed to be easy to maintain. If something doesn't go smoothly, we are there for you — as a partner, solution-oriented and reliable.
- **Consulting that thinks ahead**
We not only help you select the right machines, but also provide you with strategic advice — so that your investment is successful in the long term.



About LiTROS

LiTROS is a brand of the LiSEC group. As part of LiSEC group, we combine decades of mechanical engineering expertise with fresh, practical approach.



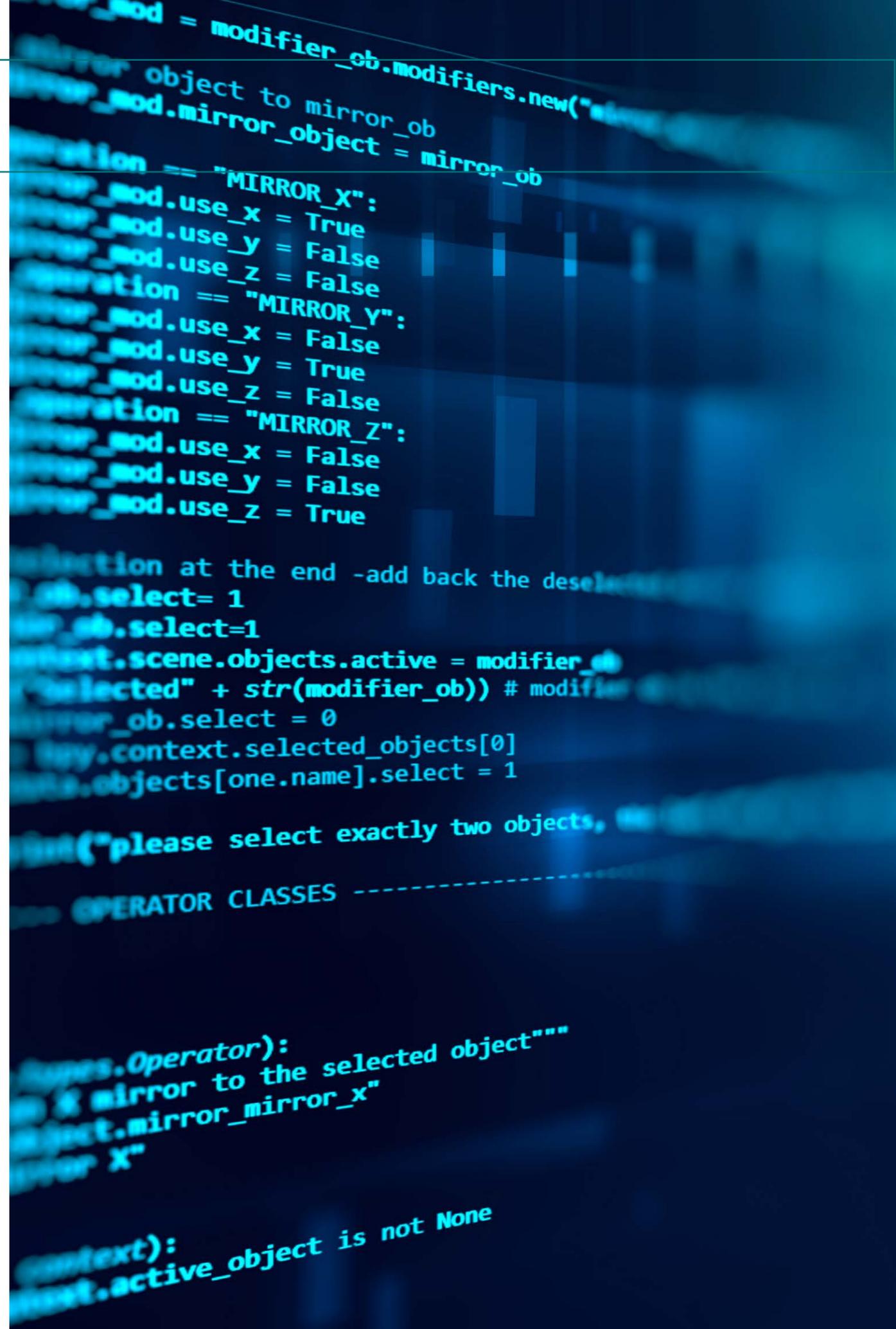
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LiTROS Solutions for Office Software





litros:office

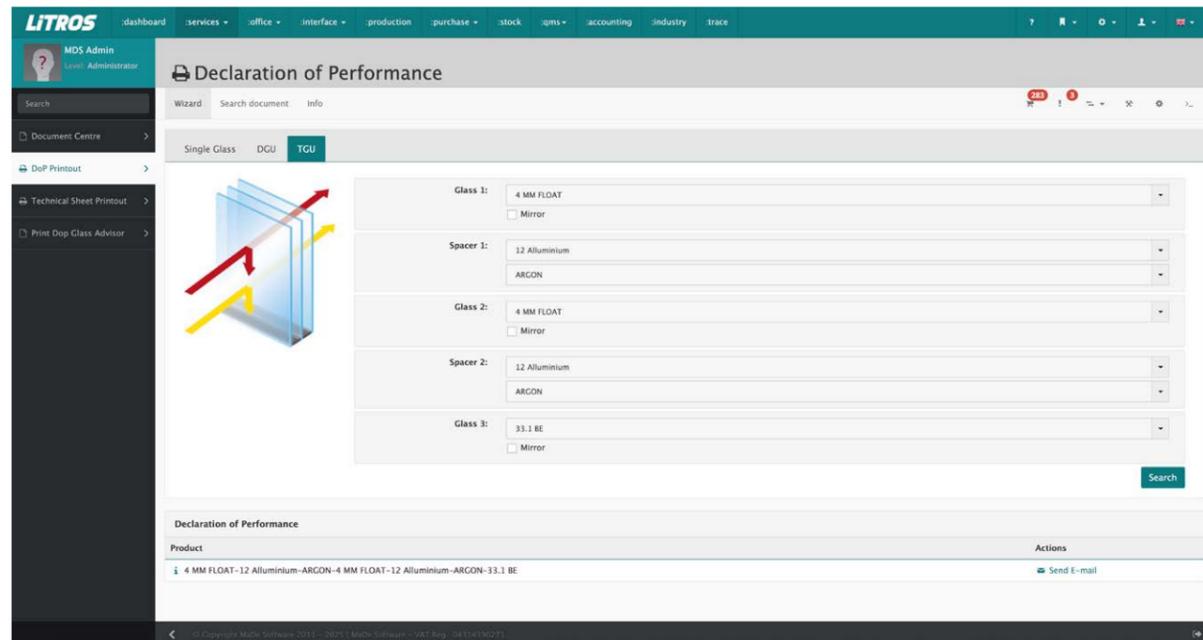
Managing glass production and business processes

litros:office simplifies data management across the entire process – from offers and customer, orders to orders and warehouse management to delivery notes and invoices. The user-friendly interface, customizable print layouts and the management of authorization levels ensure efficient workflows.

With real-time control, cost analysis and industry-specific features, litros:office provides full transparency and supports the digitization of your processes.

Core modules and features:

- File import/export
- Offers
- Orders
- Delivery notes
- Invoices
- Purchases
- Warehouse management



- **Flexible module structure for your processes:** Modular structure for offers, orders, delivery notes and invoicing.
- **Optimization tools for precise glass cutting:** Optimization tools for cutting glass for cost analysis already in the offer phase.
- **Individual layouts and automated communication:** Customizable print layouts and automatic document delivery.



litros:services

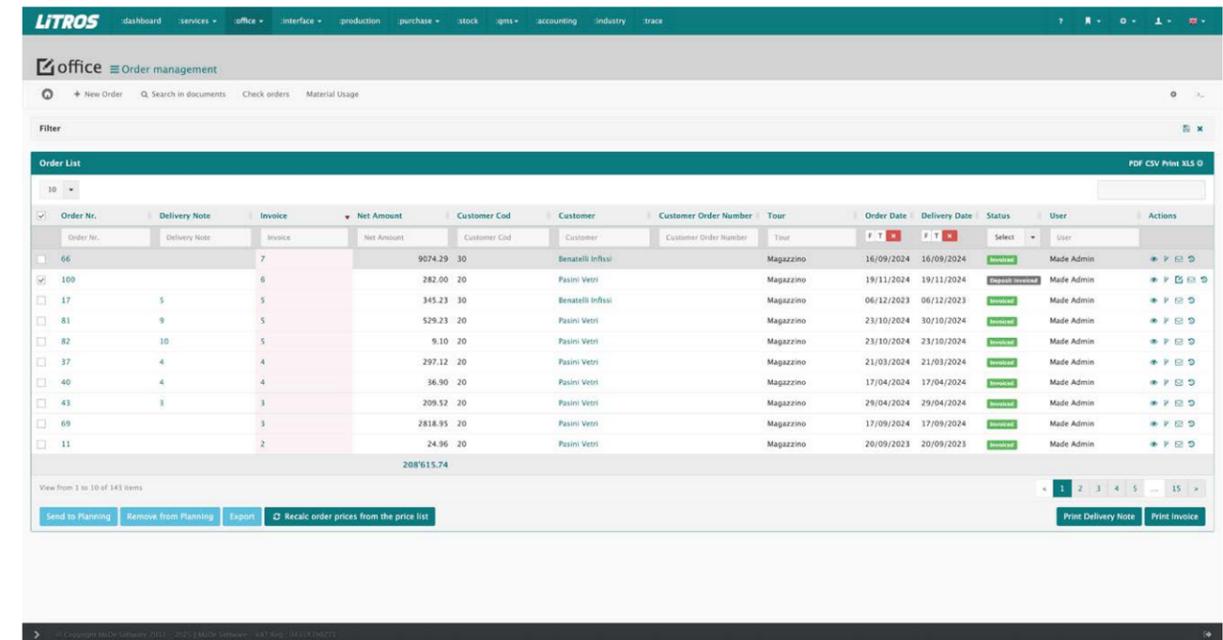
Technical documentation and process integration

litros:services is a specialized software module for the glass industry. It integrates seamlessly with management systems such as litros:office, GPS.order or ERP systems from other providers and offers functions to increase efficiency and quality – from order management to the creation of technical documents and certificates.

litros:services provides glass processors with comprehensive technical services that improve communication between departments and optimize processes. By integrating external systems and managing specialized documentation, litros:services is a reliable, customizable solution for modern production environments.

Core modules and features:

- Order status
- EDI order upload
- DoP printing & technical data sheets
- Productfinder
- Sound insulation value certification
- QR code management
- Document Center
- Individual conversion driver for import/export



- **Seamless integration:** Integration with litros:office, gps.Order and ERP systems from other providers.
- **Automated document generation:** Generation of declarations of performance (DoP) and technical data sheets.
- **Barcode/QR code tracking**
- **Optional add-ons:** Additional software module enhancements available upon request.

litros:dashboard

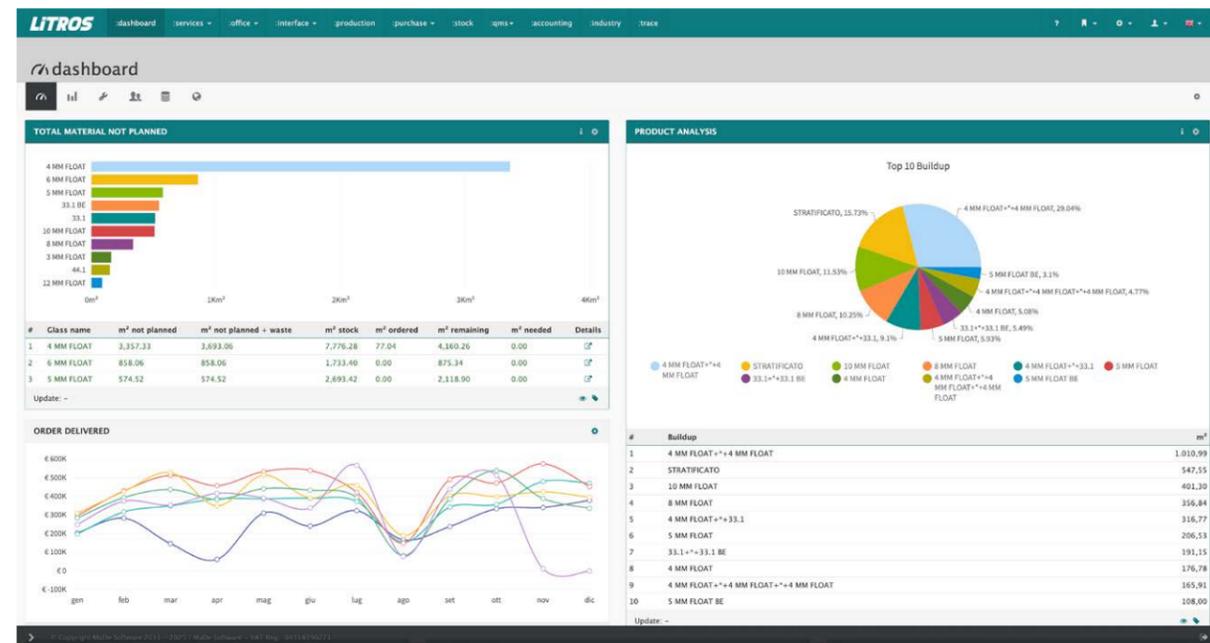
Real-time business insights

litros:dashboard bundles data from LiTROS software and third-party applications (such as GPS.order or other ERP systems) and turns it into clear, actionable insights. At the core of the system are individually customizable dashboards with interactive widgets for data, statistics and reports.

The aim is a detailed analysis of sales, production, purchasing, warehouses and customers. Thanks to a modular architecture and flexible adjustment to every department, integrated management and continuous control of all business processes is possible litros:dashboard.

Core modules and features:

- Modular architecture
- Data collection and transformation
- Widget management
- Configuration and permissions
- Historical data management



Highlights

- **Modular architecture:** Integration via connectors for LiTROS software, GPS.order and external ERP systems and accounting systems. The flexible structure enables seamless data processing from various sources. Customizable widgets for real-time KPIs, charts, and reports across departments.
- **Customizable widgets:** Individually configurable widgets for real-time KPIs, charts and reports – can be used across departments for maximum transparency.
- **Notification system & historical data:** Automatic alert system and comprehensive tracking of historical data for proactive decisions and strategic analyses.

litros:trace

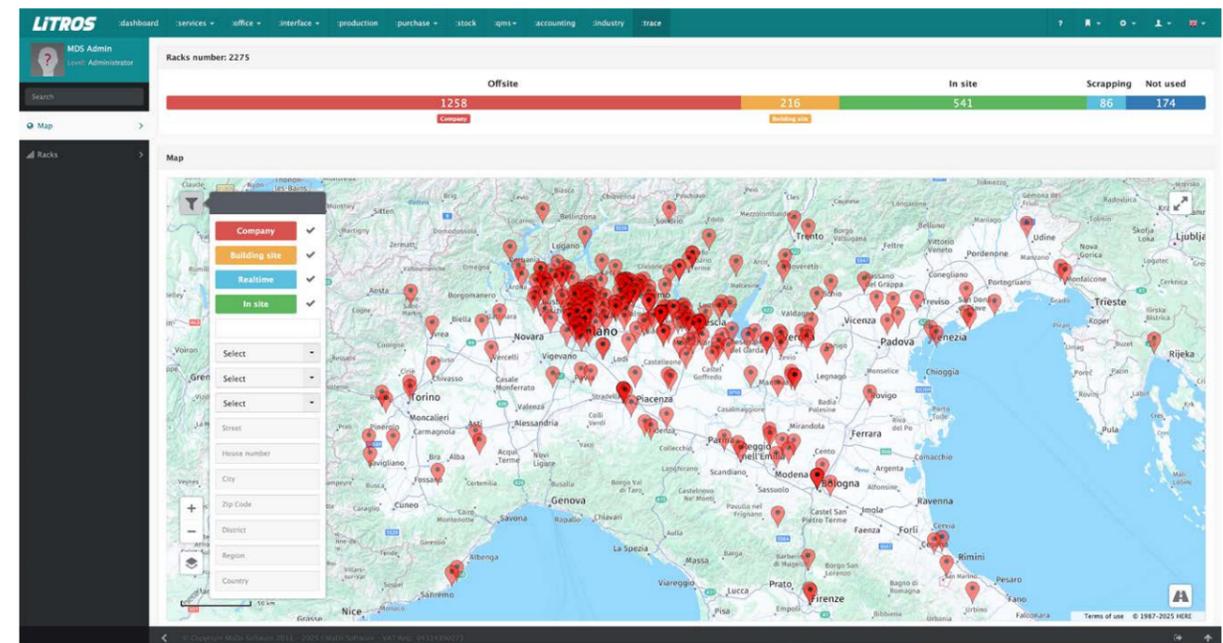
Central management of delivery points

With litros:trace, you can keep track of delivery racks at all times – from factory preparation to allocation and return. In addition, as an option by integrating innovative technologies such as RFID and geolocation, the system enables precise real-time control, reduces losses and optimises the entire logistics process.

The result: more transparency, faster processes and noticeable cost and time savings.

Core modules and features:

- Centralized rack management
- Map tracking and route planning
- Table view and advanced analytics
- RFID add-on
- Geolocalization add-on
- Scheduling and automated notifications



Highlights

- **Tracking:** Real-time tracking of delivery locations via RFID and geolocation.
- **Automated allocation:** Automatic allocation of delivery notes and complete history of frame status.
- **Smart notifications:** Smart alerts and scheduled reports for overdue or missing racks.

litros:accounting

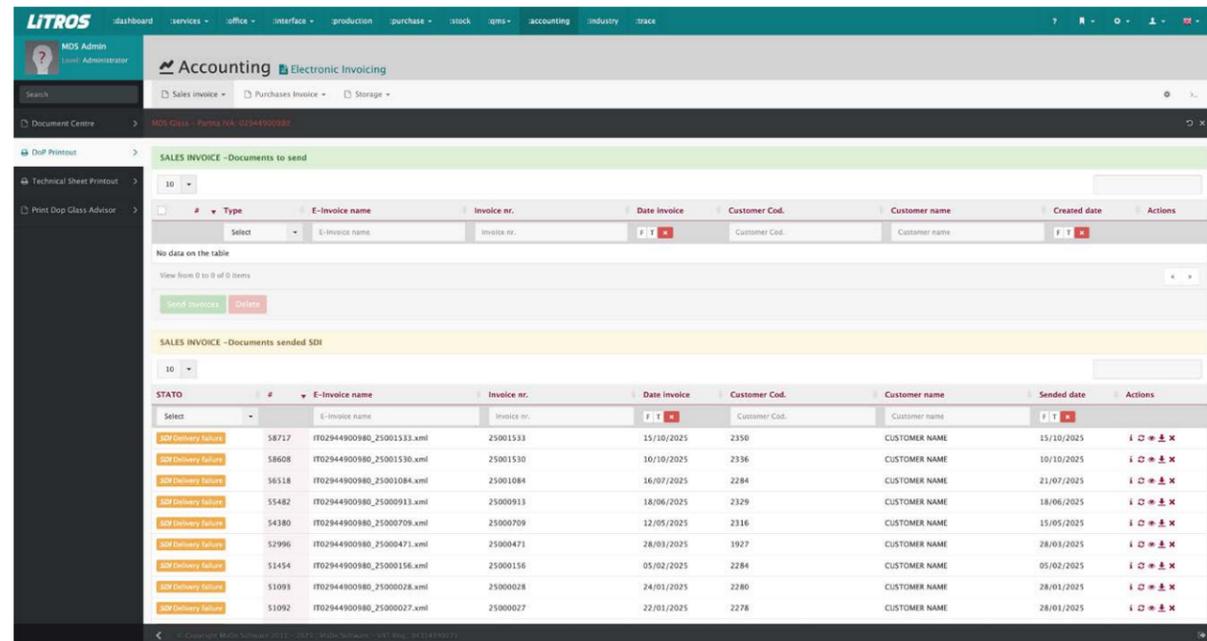
Accounting, invoicing, and system integration

litros:accounting provides tools for accounting and invoicing. It integrates seamlessly with other LiTROS modules and also communicates with external systems via flexible data formats.

Companies can use it to manage sales and purchase invoices, monitor due dates, create journals and comply with national and international e-billing standards. Thanks to modular architecture and extended configuration options, it is litros:accounting solution for optimizing administrative processes.

Core modules and features:

- Data exchange with external accounting systems
- Basic accounting
- Modular and configurable structure
- Unified platform



- **Electronic invoicing:** Full support for electronic invoices (SDI, PEPPOL, XML UBL) with real-time status tracking.
- **Seamless integration:** Direct connection to external accounting systems and other modules.
- **Optional add-ons:** Additional extensions of the software module are available upon request.

litros:ecom

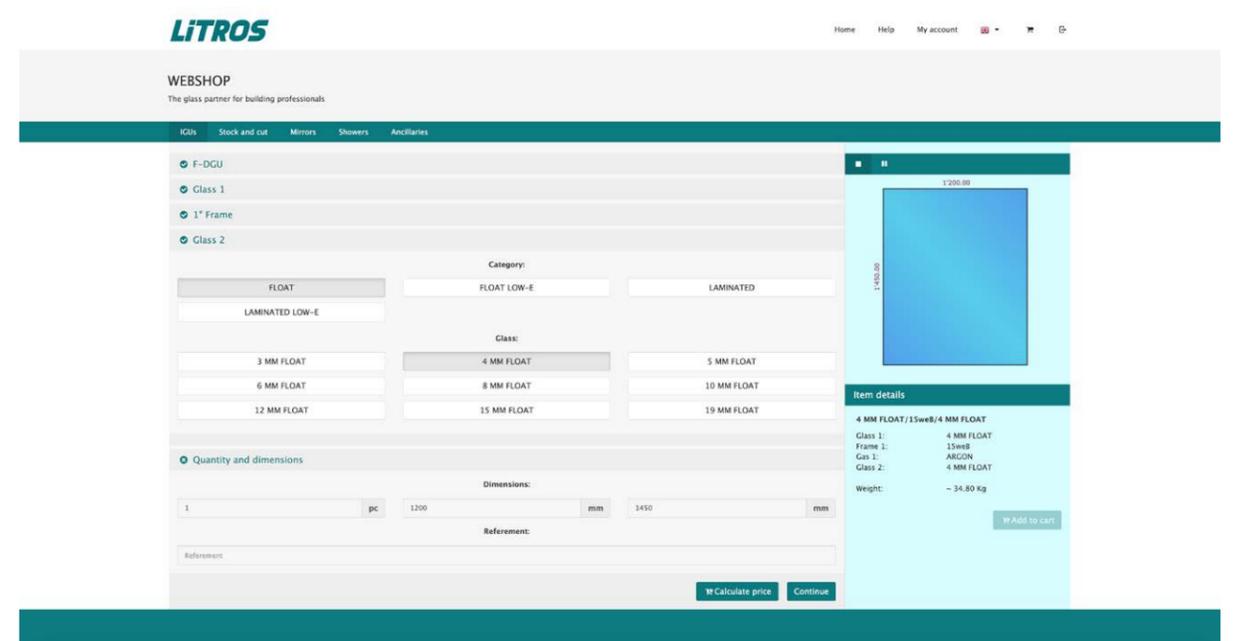
Online sale of individual glass products

litros:ecom supports the online sale of glass and related products through an industry-specific e-commerce platform. End customers configure their products themselves – from types of glass, dimensions and accessories to surfaces – and immediately receive a price calculation. Ordering and online payment are possible directly.

The solution goes beyond simple catalogs: It guides users through complex specifications, reduces errors and speeds up the process. Thanks to seamless integration with other LiTROS modules, the transition from online ordering to production and delivery is transparent and efficient – for a modern, professional service.

Core modules and features:

- Guided product configuration
- Shopping cart management & real-time prices
- Order confirmation & customer area
- Order status & tracking
- Optional online payment
- Customization & integration



- **Guided product configuration with real-time pricing and technical validation**
- **Full order traceability and customer account management**
- **Optional online payment integration with secure transaction handling**

LiTROS Solutions for Production Software





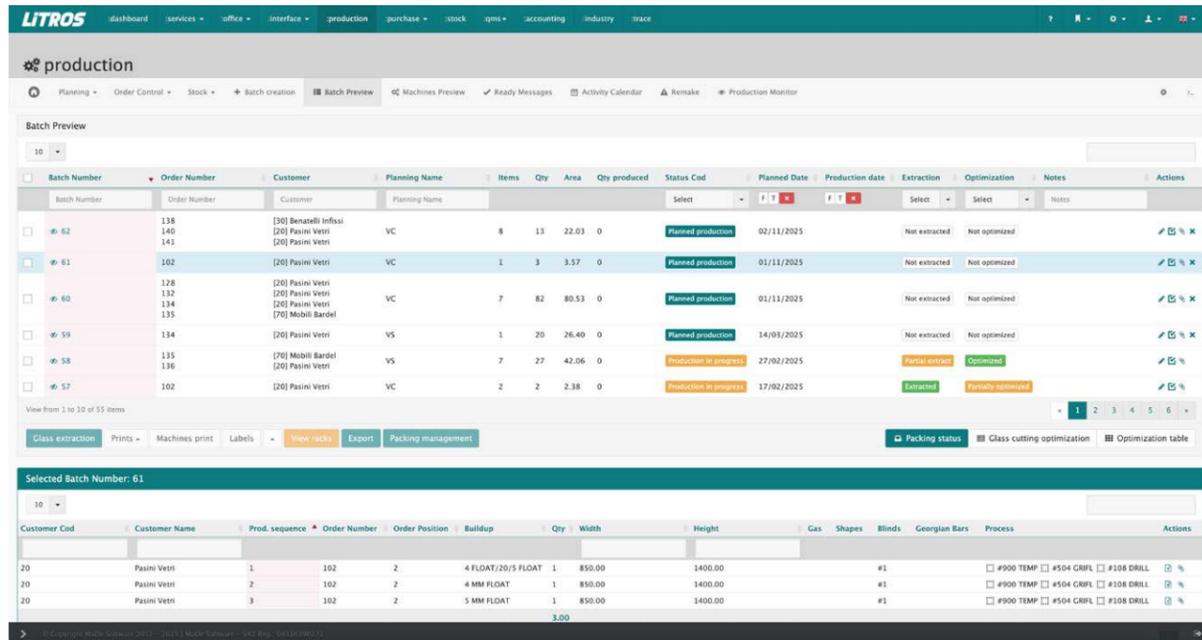
litros:production

Comprehensive software for batch planning, machine integration, and process control

litros:production is a software platform for companies in the glass processing industry that want to optimize their entire production chain. It enables the planning and organization of production phases, the creation and management of work batches, integration with specialized machines and full monitoring of the workflow and progress.

Components of system:

- litros:production
- Optional add-ons required



- Seamless integration with glass processing machines for real-time process control.
- Intelligent batch creation and cutting optimization to reduce waste and downtime.
- Full traceability with error mapping, label printing and performance reports.
- Optional add-ons: Software module extensions available on request.



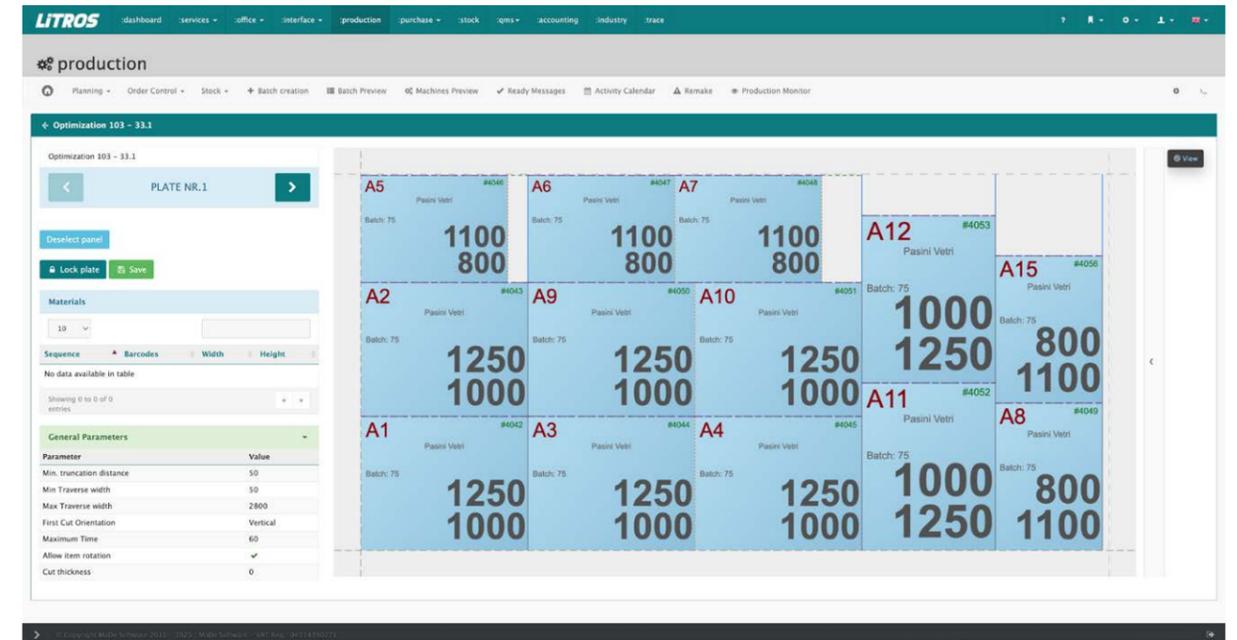
litros:optimizer

Special software for efficient cutting of glass

litros:optimizer is a software module for calculating optimal cutting layouts for glass plates, based on manually entered data or external sources (files, APIs, etc.). The created cutting plans can be transferred manually or automatically to various cutting tables – including a specific machine code for each device.

Components of the software:

- litros:optimizer



- Enables real-time machine coordination through automated notifications about ready status.
- Defines and monitors detailed production sequences across departments.
- Integrates with LITROS cutting table and packing workflows.



litros:interface

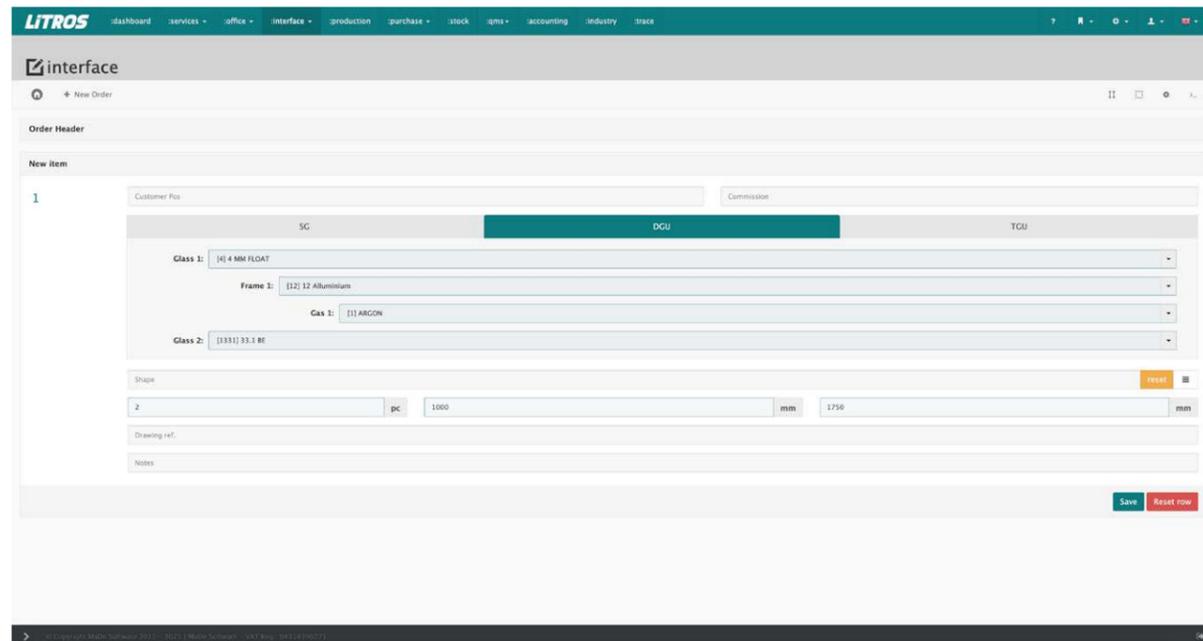
Customizable interface for seamless data exchange

litros:interface serves as a bridge between various management systems (ERP, external MES or internal MES) and enables consistent, automated data flows. Thanks to the modular architecture, the system can be used flexibly as a background service without a graphical interface or as a full-fledged application with an interactive dashboard. The aim is to adapt to the customer's specific requirements and to facilitate data exchange (IN/OUT) across multiple platforms. It uses litros:node (option) to extract, transform, and load data.

In addition, offers litros:interface analysis functions via a basic version of litros:dashboard, which focuses on sales and production and provides a comprehensive overview of the information obtained from the integrated systems.

Components of the software:

- litros:interface
- Optional add-ons: litros:node



- Bidirectional data flow between ERP and MES systems with customizable mapping.
- Automated ETL processes in the background and real-time monitoring via litros:node (option).
- Integrated dashboard for sales and production analytics (litros:dashboard required).



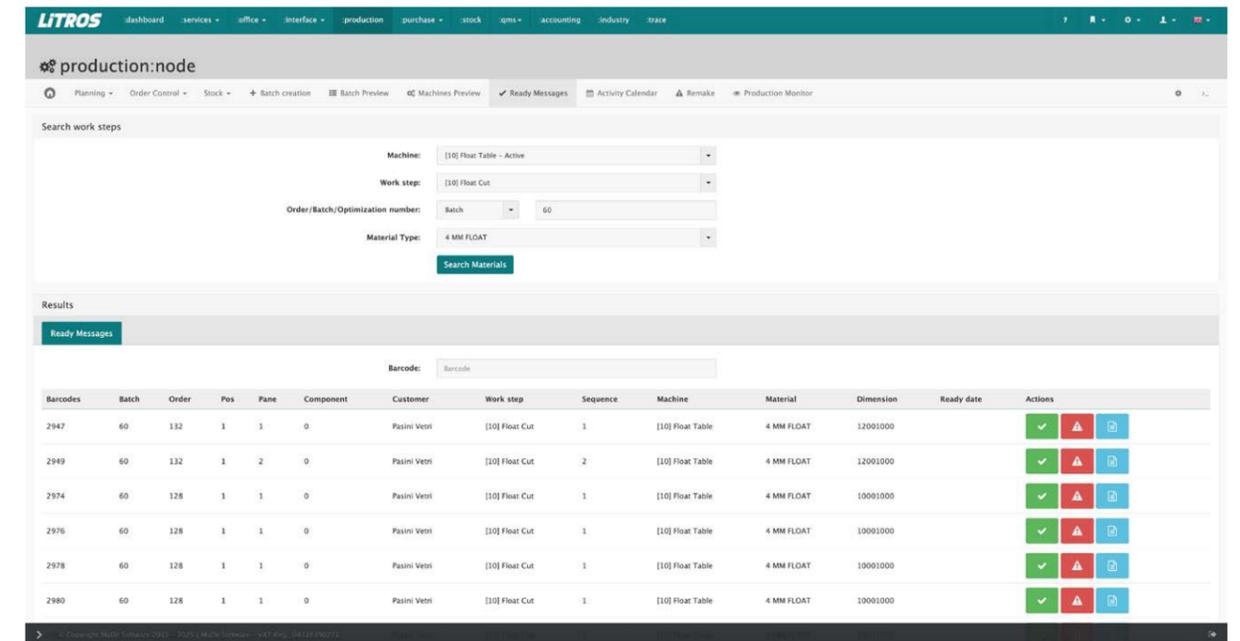
litros:node

The silent motor that makes machines talk

litros:node is a software component developed for the automatic integration and recording of production data in industrial environments. litros:node runs as a background service with or without a graphical user interface and enables machine and production data (such as batches and orders) to be retrieved, correlated and transferred via an API to an internal server. Reliable and scalable, it serves as a communication bridge between production and the management system.

Components of system:

- litros:node



- Automatic ETL of machine and production data.
- Real-time capture of connected devices.
- Secure, scalable, and traceable data communication.

www.litros.com

LITROS a brand of the LiSEC Group
LiSEC Korea Ltd.
13- 121, 507 Teheran-ro, Gangnam-gu
06169 Seoul
Republic of Korea

+ 827047844003 
office@litros.com 

