

A U S T R A

ZETA
INDUSTRY



About the Company



Mitigate group

Mitigate - custom software development

Zeta Industry - digital solutions for industrial businesses



mitigate.dev



zetaindustry.eu

53

Substantial team of
programmers & designers

18

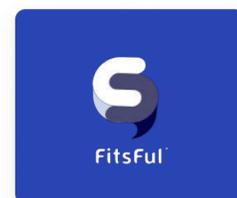
Dynamic management
team

10+

Years of industry
knowledge

Products & Social Responsibility

Mitigate group develops a range with its products and support children's education and a healthy lifestyle



[Fitsful App](#)



enmehr.com

AUSTRA

[Austra](#)



darbium.com



manapilseta.lv



360.makit.lv



otzi.lv



startit.lv



bez-e.lv

Products & Services

Products

A modern and comprehensive platform for industrial businesses:

AUSTRA

Services

- Complex systems integration (CAD, MES, IoT, accounting)
- Production planning and scheduling algorithms
- Resource optimization algorithms
- Operational data analysis
- Custom software development



General Overview





Austra

A modern and comprehensive platform for industrial businesses - it excels at industry-specific functional areas where most general-purpose solutions under-deliver

Highlights

- **Dedicated to manufacturers**

Extensive feature list for production management and full-cycle business process support

- **Fully web-based**

Accessible from anywhere

- **Wide integration capabilities**

Integrates with other ERPs, IoT, CAD, MES, MRP

- **Licensing models that facilitate growth**

No need to acquire a new license for additional users

- **Automation capabilities**

Production scheduling, resource and material optimization and others

- **CAD/BIM integration**

CAD/BIM integration capabilities

- **Intuitive UI**

Intuitive, easy to navigate user interfaces

- **Open Source**

Entirely based on Open Source technologies



Industries

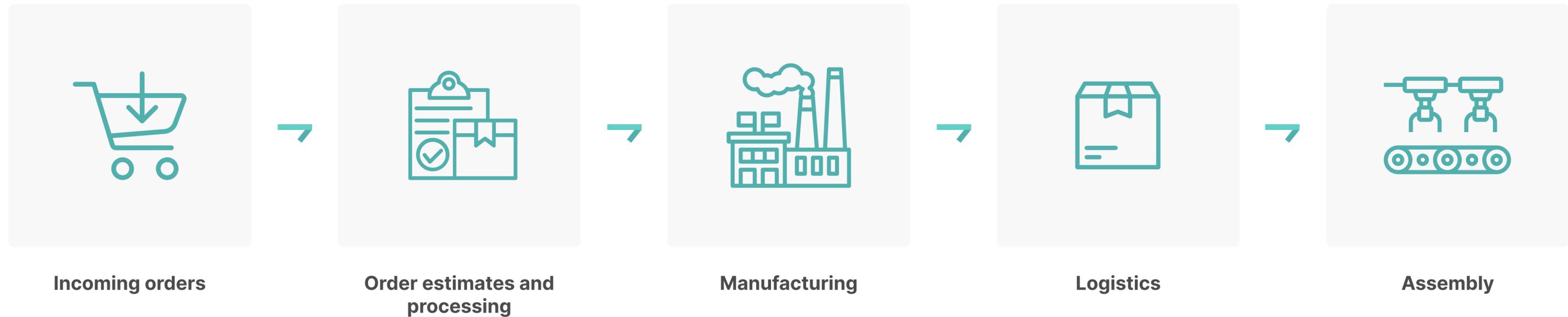
- Metalworking and mechanical engineering
- Woodworking
- Construction materials
- Printing and packaging
- Textiles
- Health and beauty
- Pharmaceutical products

And others ...



Full product delivery cycle support

- Efficient sourcing and use of data
- Transparency at all stages of life-cycle



Support functionality:

Product configurator

Document generator

Quality management

Salary calculation

Resource planning

Time tracking

Cargo assembly

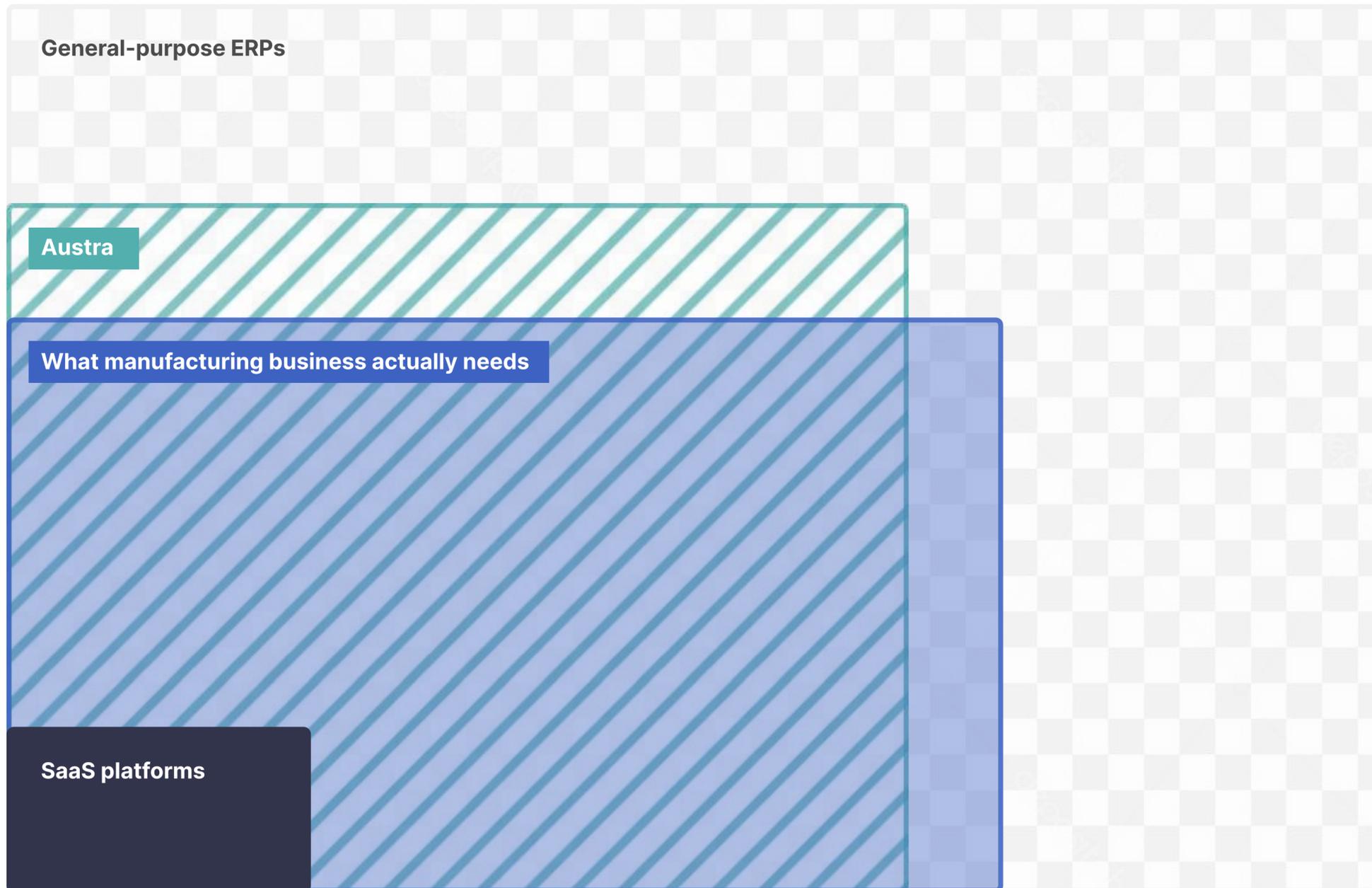
Assembly planning



Competitive Positioning



Austra - a Sweetspot for Manufacturers



General-purpose platforms:

- Created for almost any industry, lots of redundant functionality for manufacturers
- “Heavy”, complicated to configure, navigate, operate
- Often missing out on functional depth for manufacturing-related features

SaaS platforms

- Easy to set up and operate, however, business would need at least 3 to cover essential processes
- Shallow functionality depth
- No control over how they develop
- Might be challenging to integrate



Functional Modules

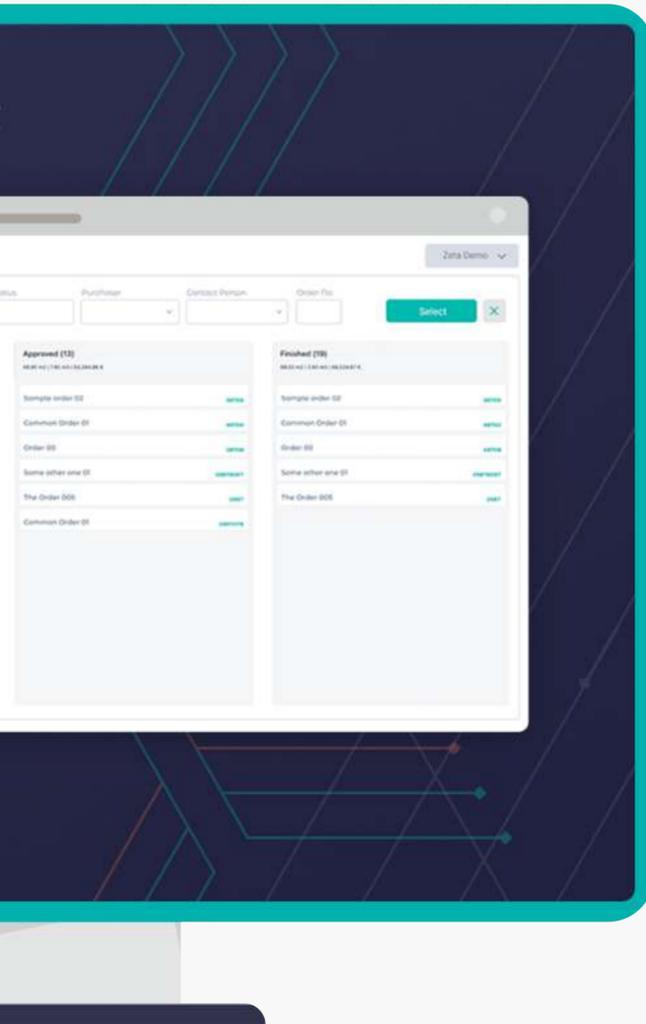


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CRM and Order Management

The sales module provides convenient order estimation and management. Sales managers can track order fulfillment progress and review order and customer information in one place

- Order review in list and status views
- Automatic order estimates
- Automatic generation of order documentation
- Task planning for order execution
- Communication history
- CRM features

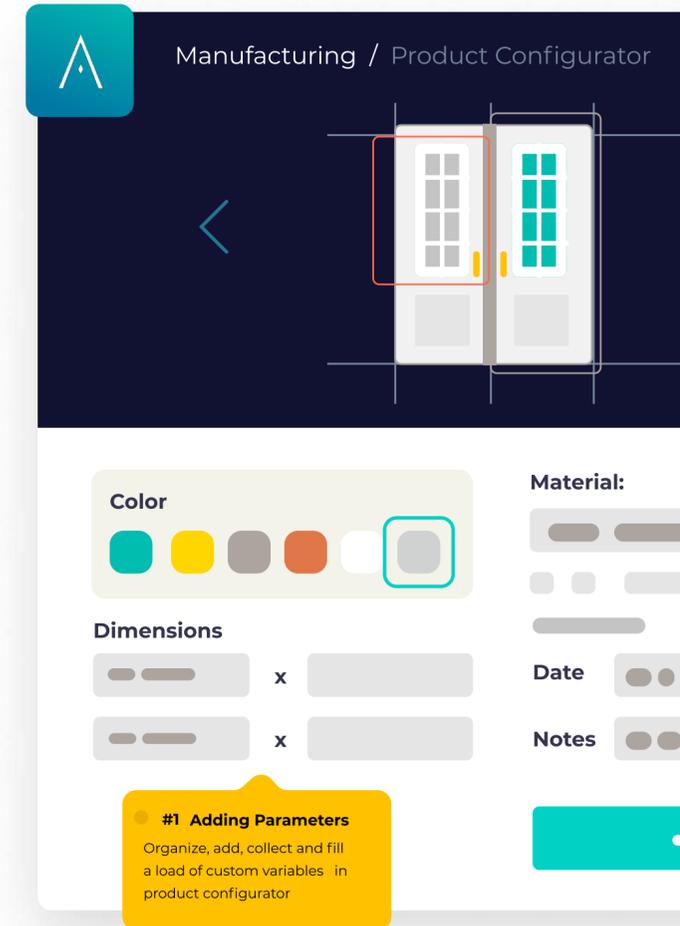


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Product Configurator

The product configurator creates dynamic product and service templates. It supports low-code approach to allow setting up sophisticated configurations. When configurations are set up, platform automatically calculates BOM, production norms and generates order estimate and documentation

- Setup of product groups, sub-sets, components
- Simplified and low-code configuration support
- BOM setup
- Production time norm setup
- Auto document generation setup

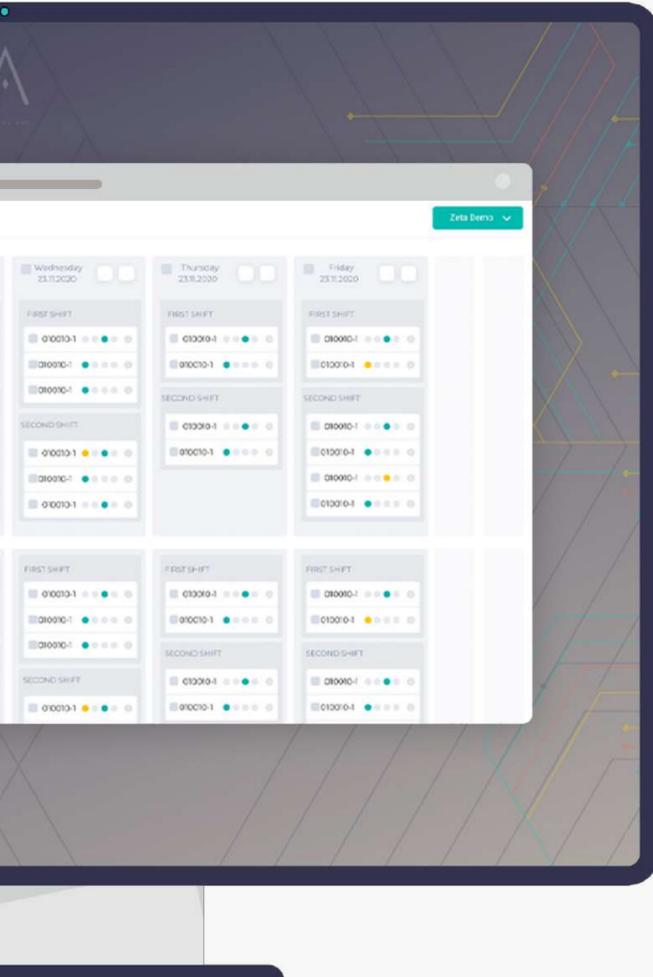


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Manufacturing Planning

The production planning module provides in-depth support for operating manufacturing operations - planning, re-organizing, status reporting. The plan is organized in intuitive UX allowing users to easily navigate to relevant interfaces, overview resource capacities, and more

- Automatic scheduling of production orders
- Specification generation and printouts
- Automatic write-offs of materials
- Multi-plant management
- Resource capacity management

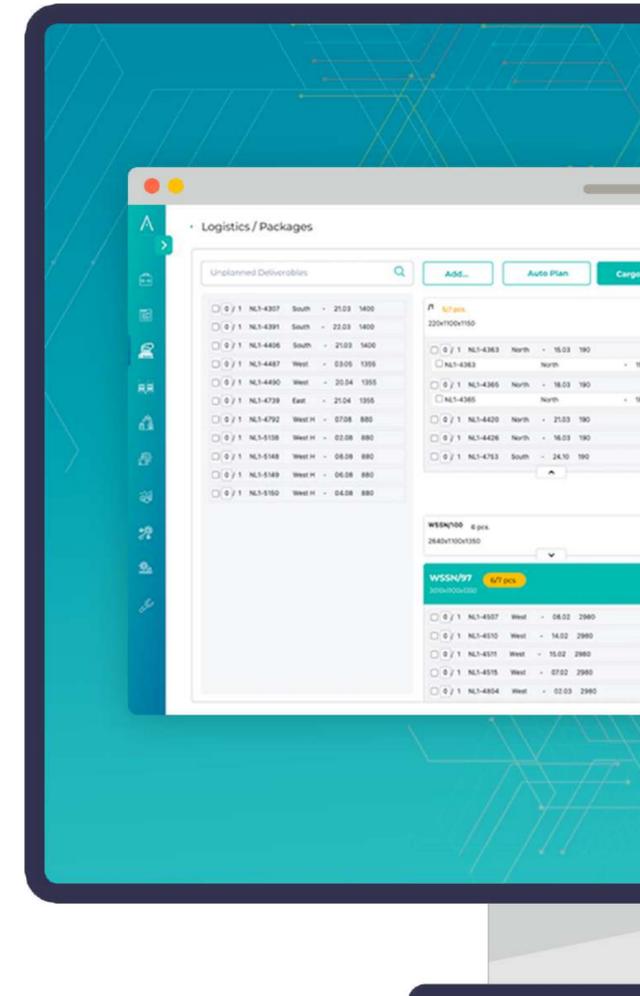


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Logistics Management

The logistics management module provides an easy way to organize logistics operations. Logistics specialists can perform the necessary activities related to logistics planning from creating packing lists to delivery planning

- Automatic and manual packing-list planning
- Cargo and transport planning
- Optimization algorithms - space, weight, orientation, loading/unloading sequence
- Preparation of delivery printouts - CRMs, etc.



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Warehouse and Supply-chain

The module provides all functions related to warehouse management and execution of procurement orders. Warehouse managers can easily review warehouse balances and arrange new procurement orders as needed

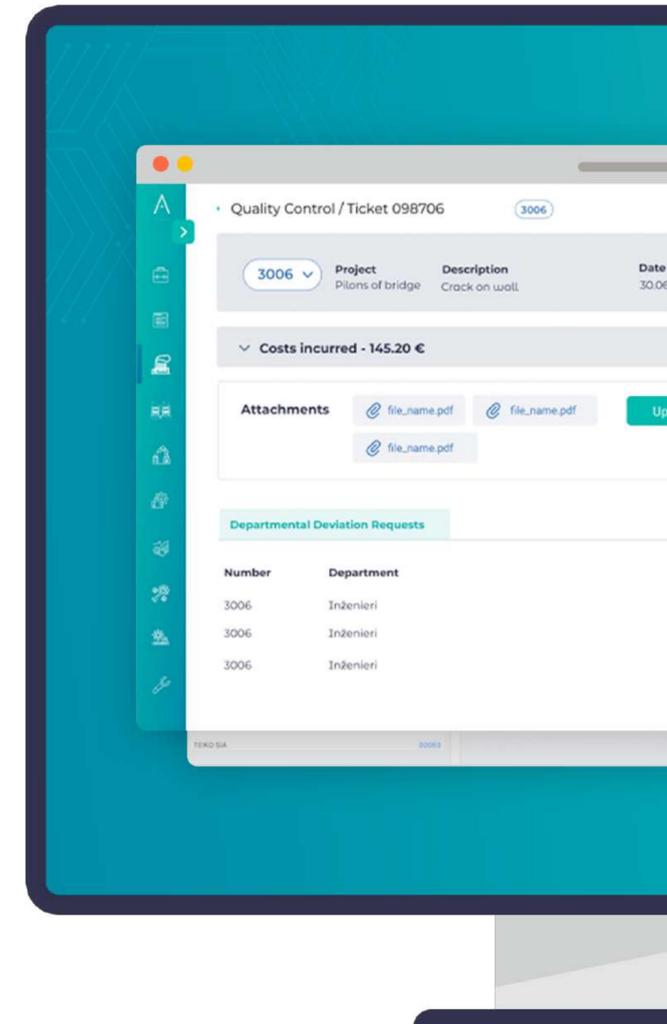
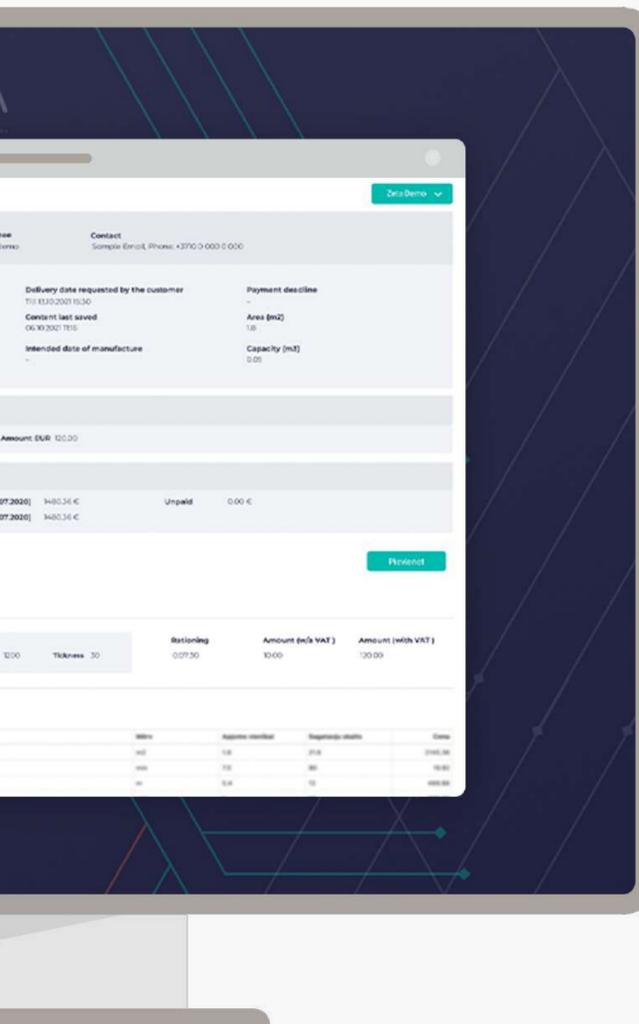
- Automatic material write-offs
- Purchase order triggers
- Multi-warehouse support

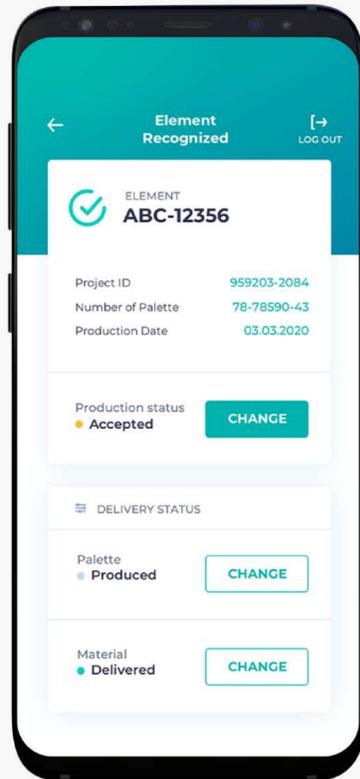
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Quality Management

The quality control module ensures systematic reporting and thorough analysis of issues - deviations from process and product quality standards. It supports both - internal and external claims

- Issue reporting - system interface of mobile app
- Issue categorization (process stage and type, business unit, product, etc.) and cause analysis
- Photo, video, documentation features
- Issue resolution workflows and statuses





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Mobile App

The mobile application is used for order status reporting - warehouse statuses, production operation statuses and delivery statuses. It also supports issue reporting

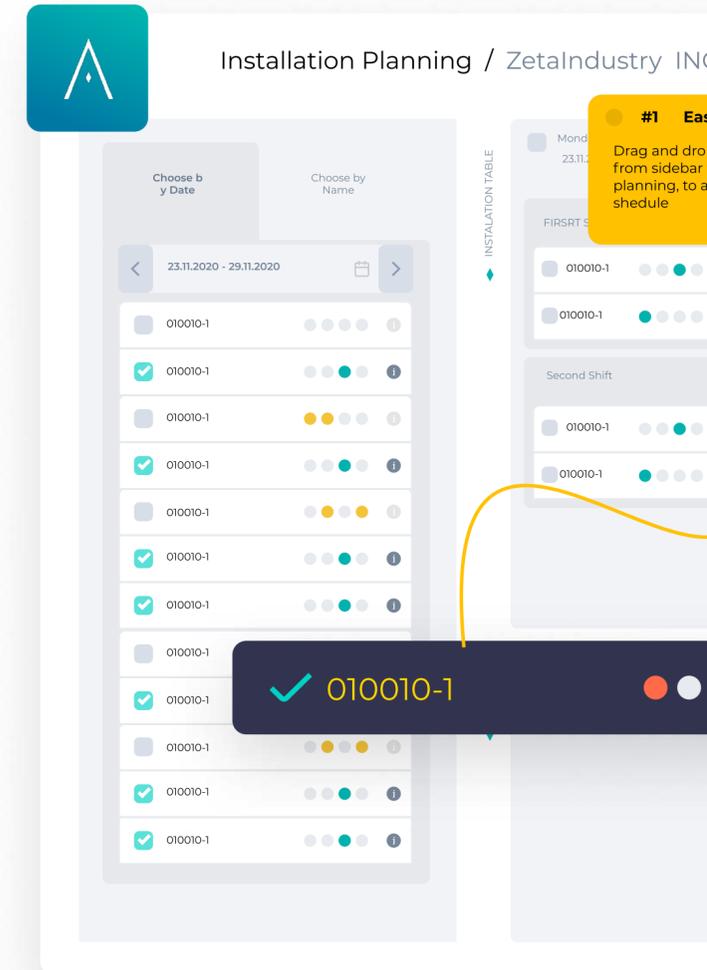
- Barcode/QR generation and scanning
- Photo/video recording
- Element status overview
- Time reporting - planned vs actual

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Installation Planning

The module provides an opportunity to plan the installation or assembly of the manufactured products. Assembly and logistics managers can review orders placed for installation at site and schedule manufacturing activities accordingly

- Planning by elements, products, installation teams
- Work order management
- Status management
- Integration with manufacturing and logistics business unit for real-time status overview





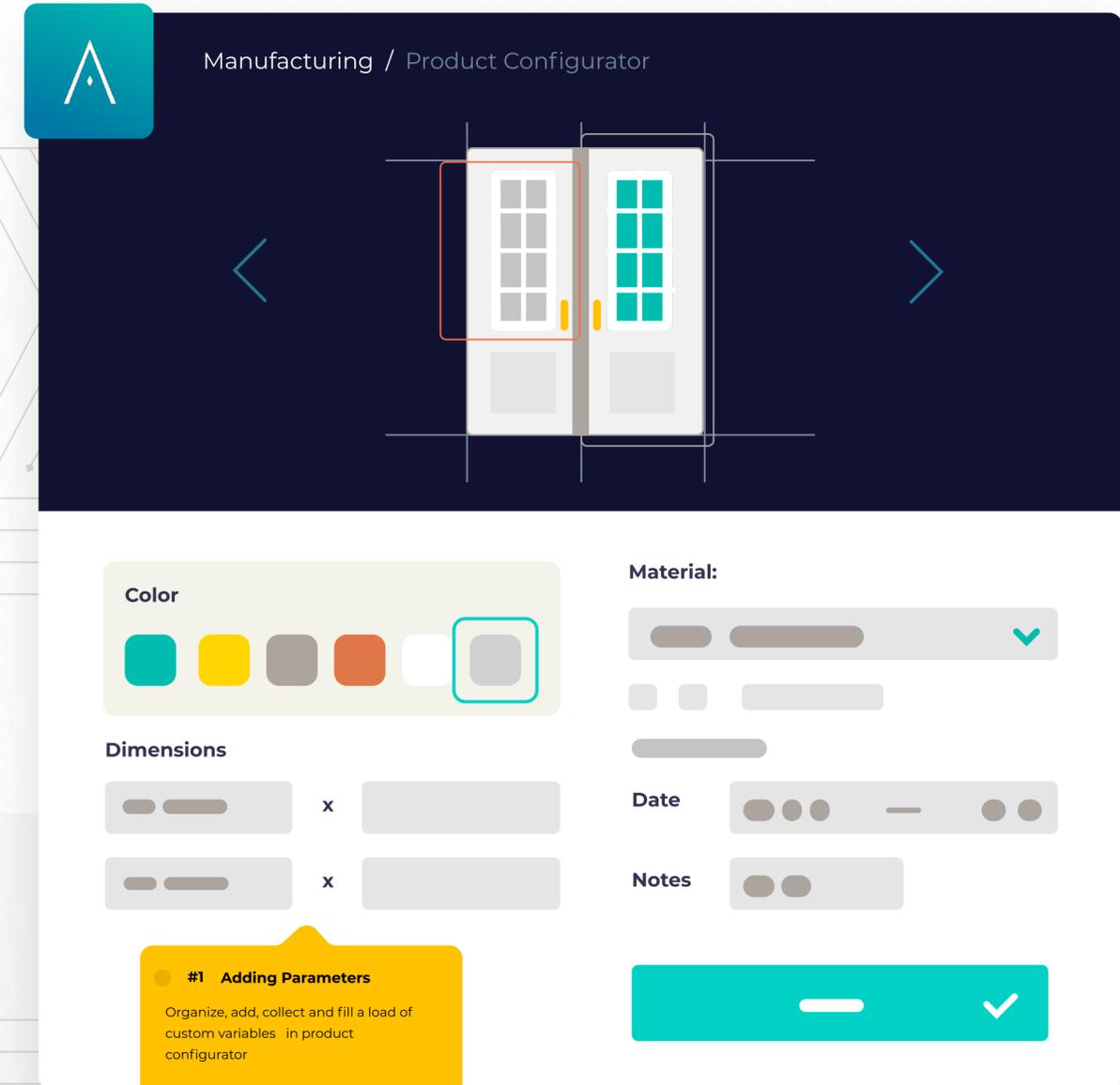
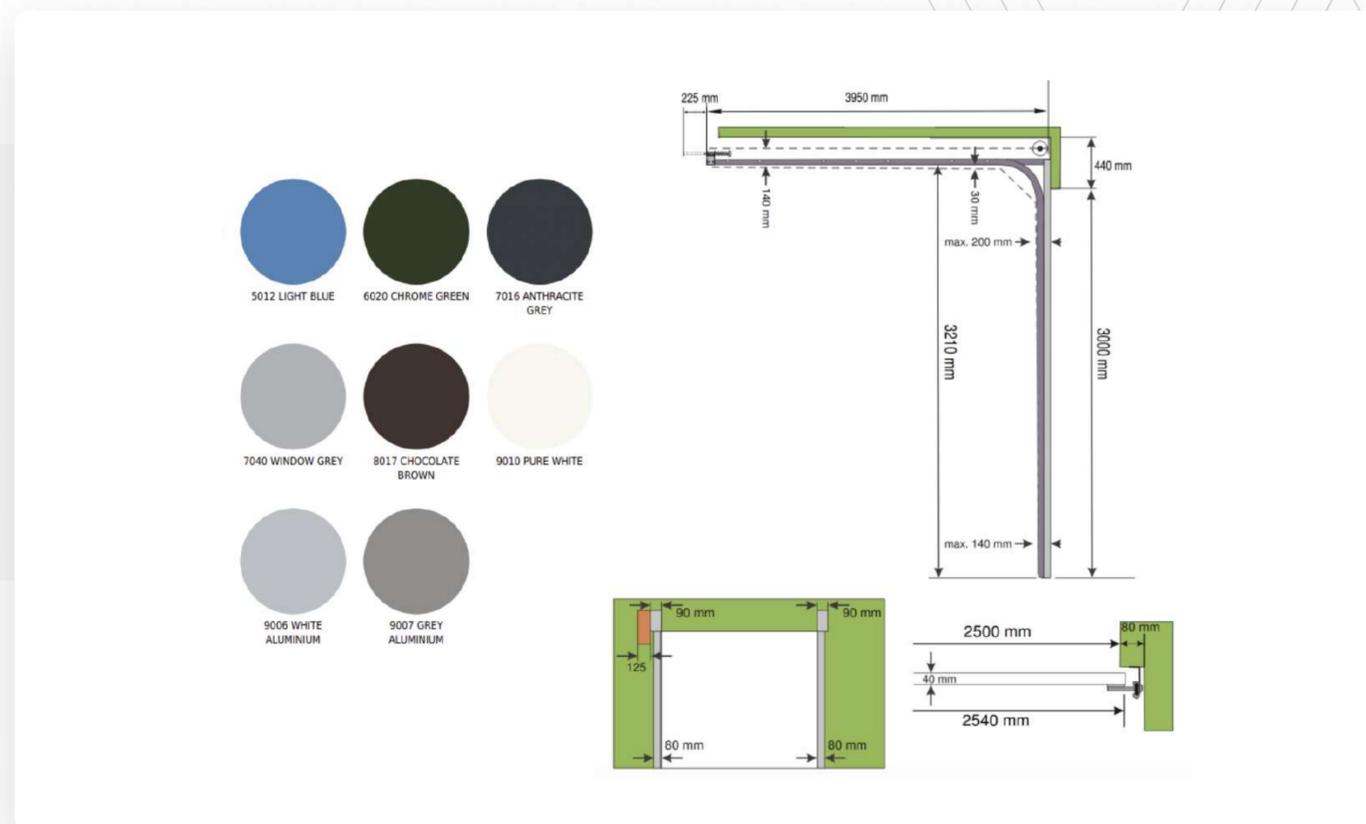
Functional Highlights



Product configurations

Create product types and configurations:

- Supports complex BOM and time norm logic calculations
- Low-code support for precise material usage calculations
- Configurable costing calculations



Order creation, estimation and circulation

Web-shop
Vendor portal
Sales team



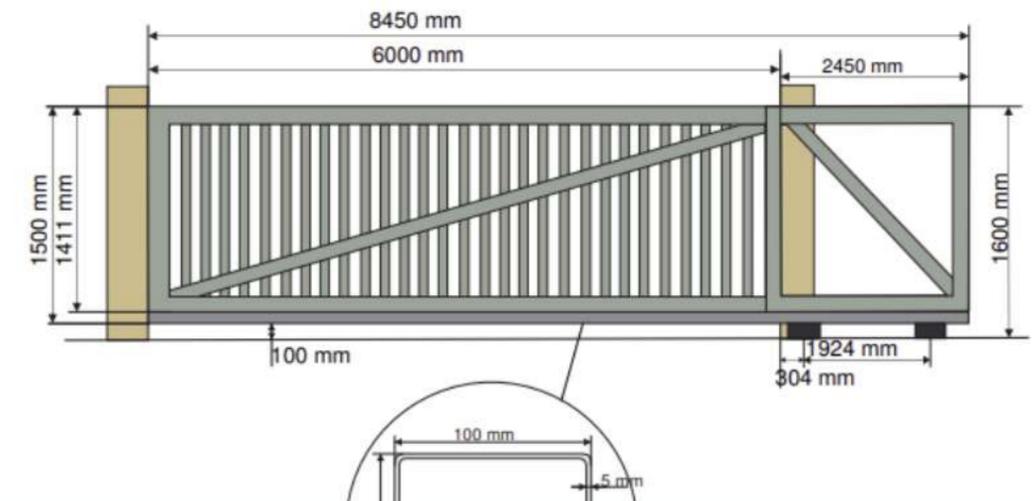
Structured order
information from the
source

Automatic generation of full order information:

Product type
Product attributes
Product options
Delivery method



Product documentation
Production specification
Assembly instructions
Standards of production
operations



Product	Sk.	Apatmējums	Parametri						Normējums	Cena (bez PVN)
1. Sekoju vārti	12	Vārtu tips Industriālie	W - Platums 4500	H - Augstums 1700	Hb - Vieta virs ailes 1700	Pacēlums Slīpsis standarts	Sīdes Industriālais 2mm	12 x 6:38:32	28,007.14	
2. Sekoju vārti	32	Vārtu tips Industriālie	W - Platums 4500	H - Augstums 3000	Hb - Vieta virs ailes 1700	Pacēlums Slīpsis standarts	Sīdes Industriālais 2mm	32 x 2:36:51	62,162.73	
3. Pacelēja/stabur/mehānisku iev./montāža	16	Tornis / pacelējs Pacelēja iev. ar pagāni 85	PVN					16 x 0:00:00	1,360.00	
4. Elektriskais slēdzējs 12V DC (sprāde)	12							12 x 0:00:30	110.04	

Nomenklatūra								
Kopīgais saraksts								
Punkts	Raksturojošā artikule	H.kode	Nosaukums	Afiksme	Rezervāls	Detals...	Detāļu am.	Cena
00100	Panelis	Celna darbs	CE01	Izgatavošana		1413.73	1413.73	32.14
00100	Panelis	TE 625x4576 R SILVER	TE625X4576	Vārtu paneļis TE 625x4576 R SL...	1.3	552	362	4596
00200	Paneļu gal.	Celna darbs	CE01	Izgatavošana		704	704	16
00300	Paneļu gal.	PG025INDL	BE021-3L	Paneļu gal. PG025INDL	594	302	302	0
00300	Paneļu gal.	PG025INDR	BE021-3R	Paneļu gal. PG025INDR	594	350	350	0
00000	Ērģumijas Profils	1038-5100	FF1038-5100	Ērģumijas profils 1038-5100	110	44	44	4540

Documentation generator

Create templates and automatically generate documentation:

- Offers, invoices, contracts
- Production specification
- Assembly lists
- Quality management documentation
- CMR and other delivery documentation
- User instructions
- Product maintenance information

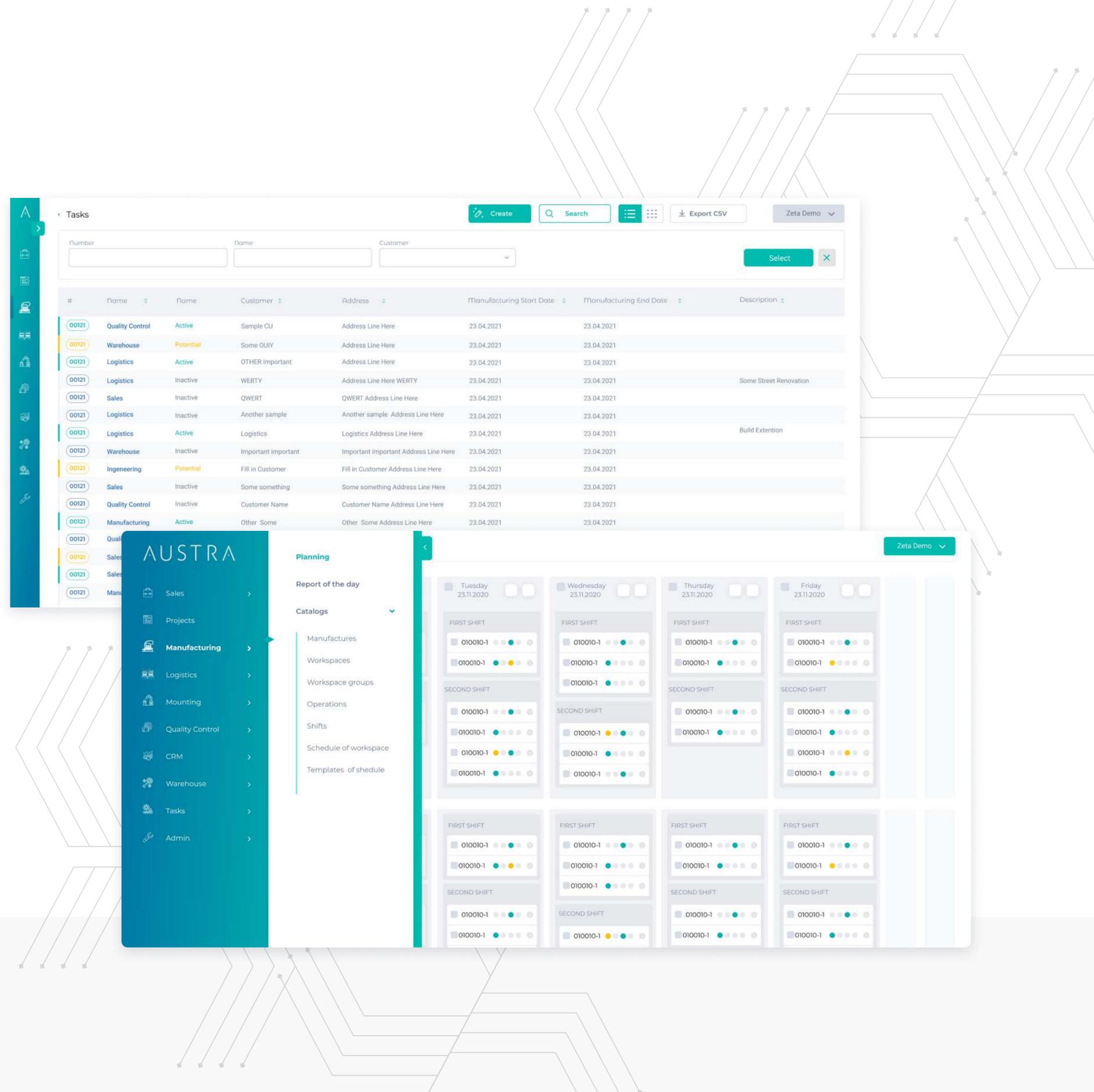
The image displays three overlapping documents generated by the software:

- Technical Drawing (Top Right):** Shows a perspective view of a rectangular device with dimensions 6000 mm (width) and 1600 mm (height). It includes a top view with a width of 1734 mm and a height of 70 mm. The drawing is labeled 'riPo' and 'riPo INDUSTRIAL'.
- Bill of Materials (Middle):** A table titled 'Piedāvājums Nr. 45475' dated '27.03.2020'. It lists various components and their quantities, prices, and total values. The total value is 5,089.87.
- Contract/Invoice Form (Bottom):** A form with fields for 'Pasūtītājs' (Customer) and 'Pircējs' (Buyer). The customer is 'riPo Internācija Ltd., SA' and the buyer is 'ARHS Arhitekts, SA'. It includes contact information and a signature line for 'Arnis Salenieks'.

Production planning

Transparent and intuitive process planning

- **Drag-and-drop**
Convenient plan creation and change management
- **Calendar view**
Overview of the overall manufacturing plan
- **Operational Capacities**
Resource utilization and analytics
- **Convenient navigation to related interfaces**
Order specification, documentation, etc
- **Information filtering options**
Equipment, employees, orders, product types



Automation Algorithms: Production Planning

Planning algorithms based on order parameters and resource capacities

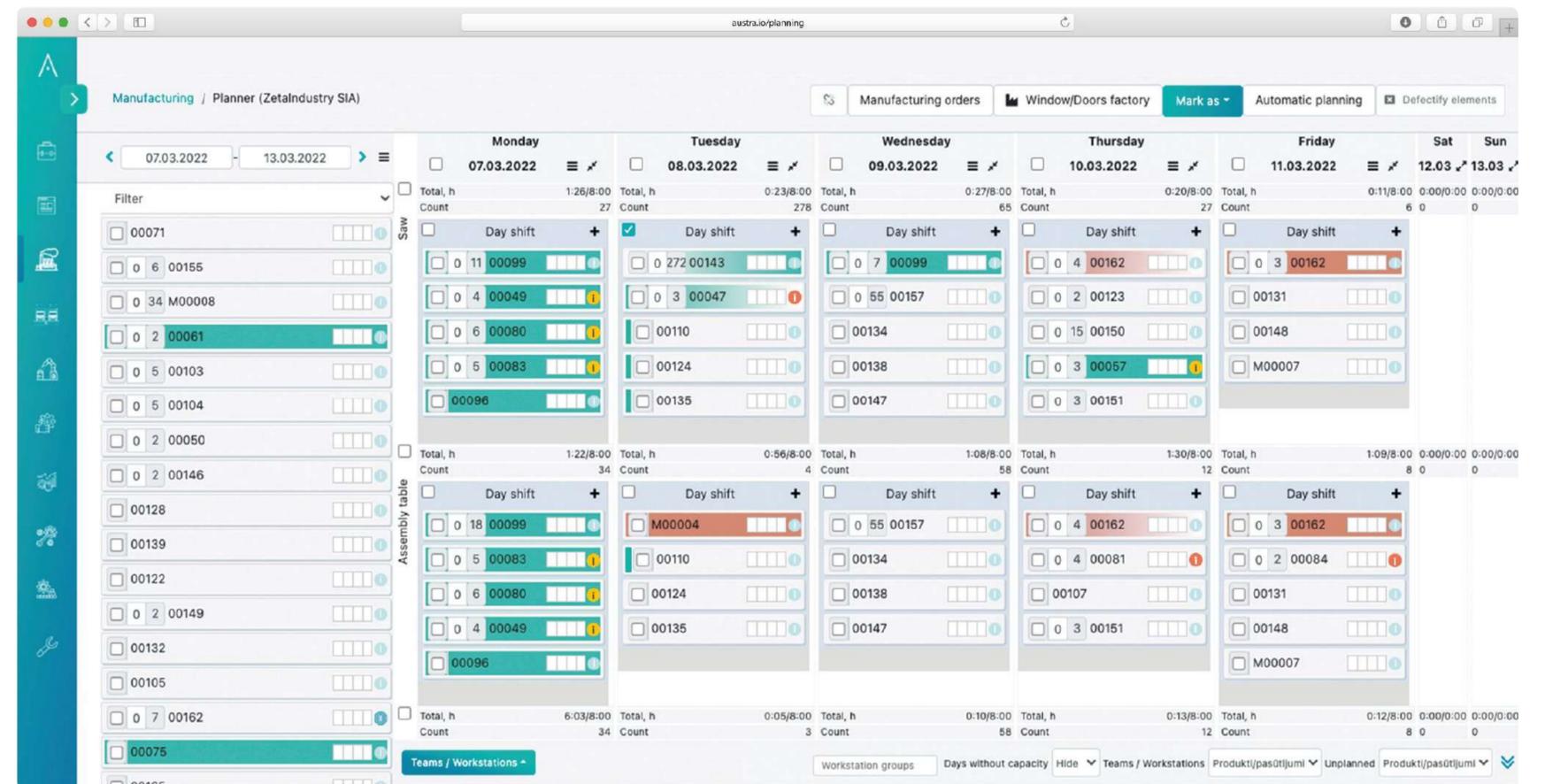
Order parameters

- Order configuration and confirmation
- List of order raw materials
- Order workload norms
- Delivery terms
- Order priorities

Resource parameters

- Equipment capacity
- Human resource capacity
- Availability of raw materials in stock

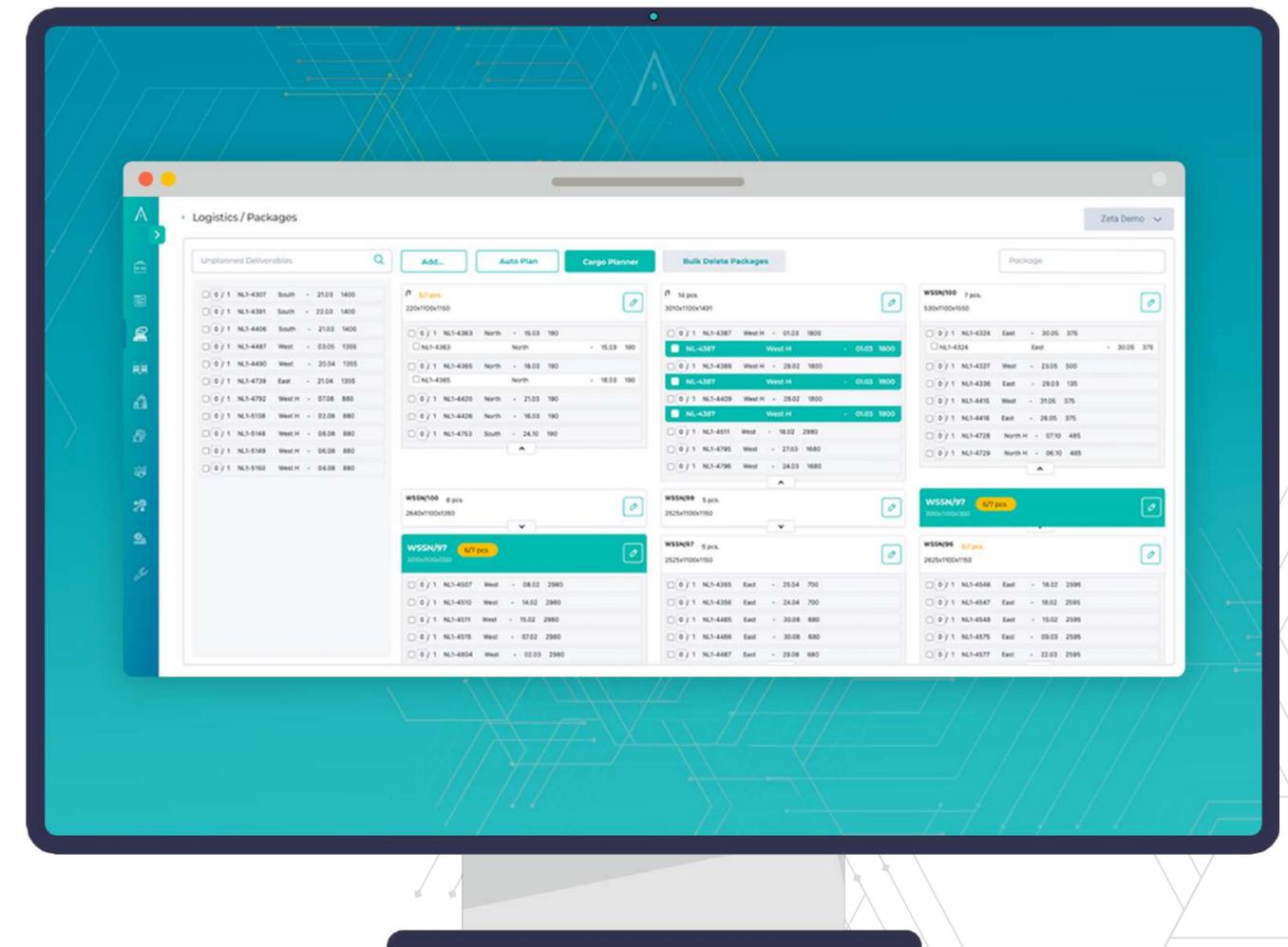
Automatically generated production plan



Logistics planning

Configurable logistics management process

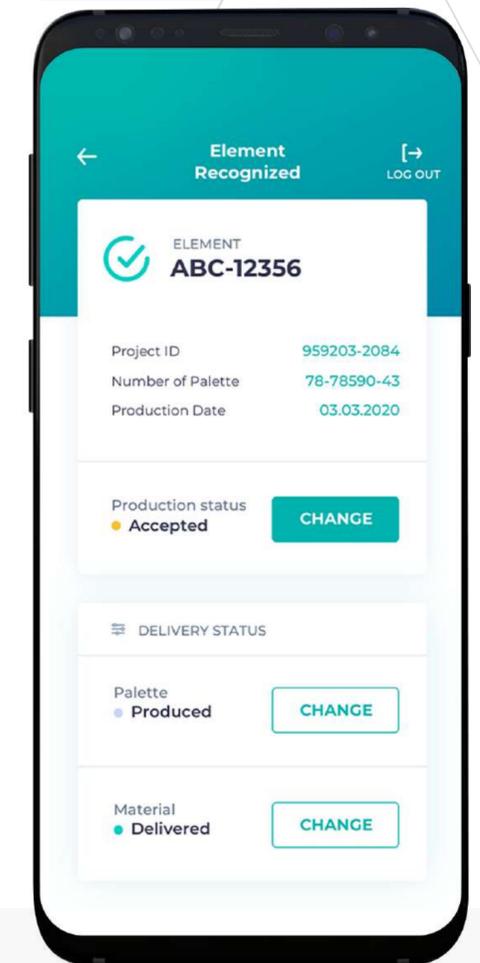
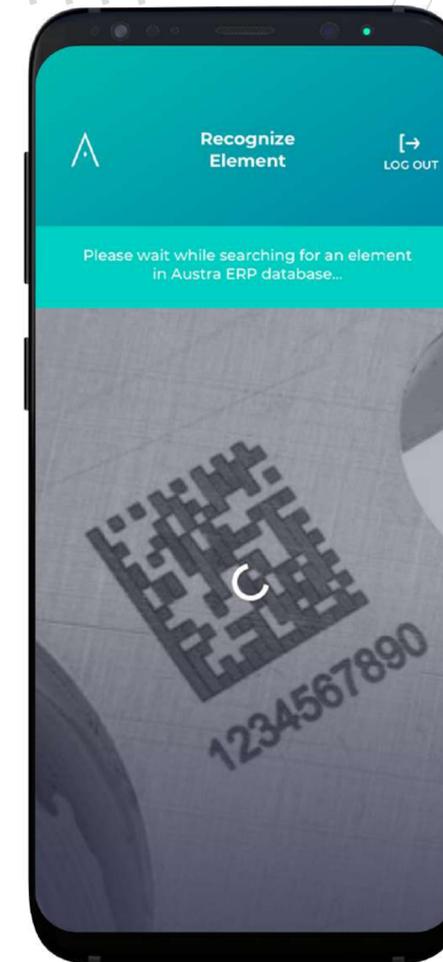
- Packing-list creation based on volume and / or weight capacity
- Route, cargo, transport planning
- Internal and outsourced logistics planning and information flows
- Cargo optimization and automation options
- Automated documentation generation



Mobile applications

Accelerated information flow

- Maintaining product life-cycle status
- Employee time tracking
- Notification of system events
- Quality management: photo and video capture
- GPS coordinates



Integration with financial management and other systems

Automated data flows and various module configuration options

AUSTRALIA

Orders and estimates

CRM

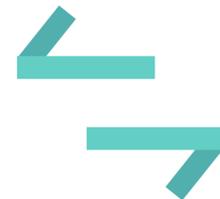
Production planning

Logistics planning

Warehouse movements

Operational salary calculations

etc.



Visma | Dynamics | SAP etc.

Companies and employees

Invoices

Customer register

Warehouses and articles

Article creation and write-off

Payment information

Tax calculations

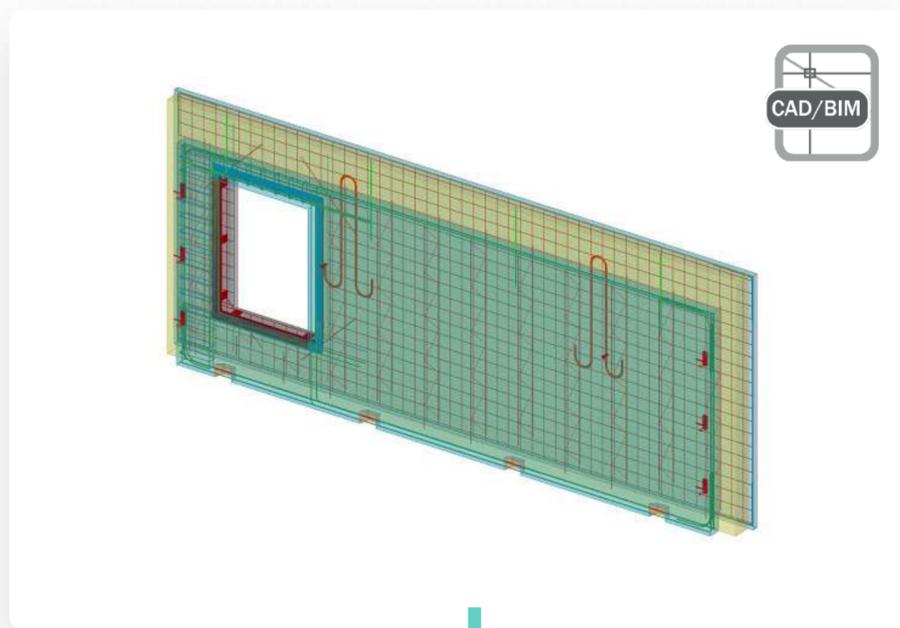
etc.



Tailored Versions



BIM/CAD integration



AUSTRA

Integration with CAD/BIM platforms

Automatic API or template element information upload

Upload information validation - new, updated elements, versioning, etc.

Drawing file upload and storage

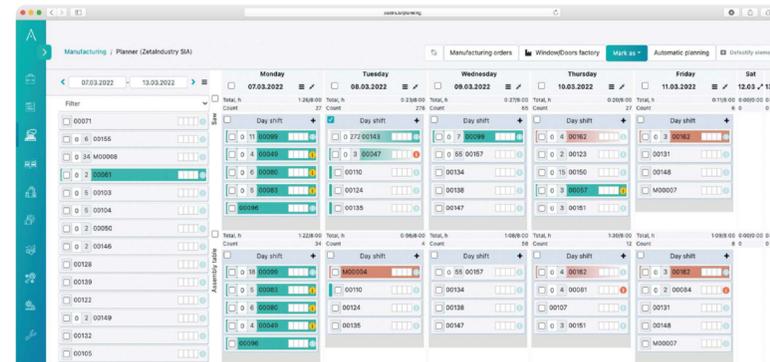
Automation of BOM, production time norms

Process automation

Automated production planning and scheduling

Multi-factor scheduling algorithms (time norms, delivery dates, warehouse statuses)

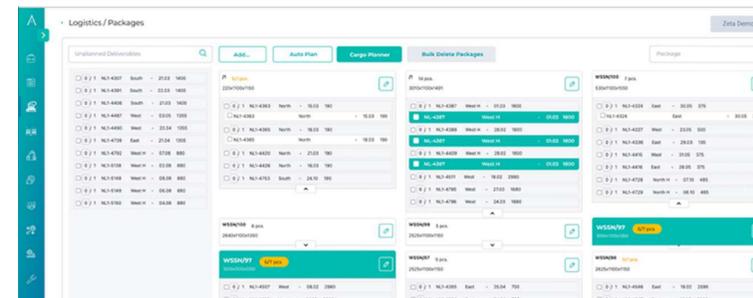
Automated material write-offs, employee salary calculations, and more



Packing-list generation

Transport unit utilization optimization

Integration with manufacturing, warehouse, and delivery input factors



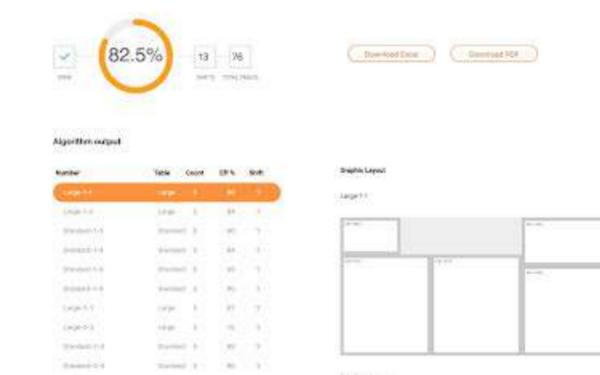
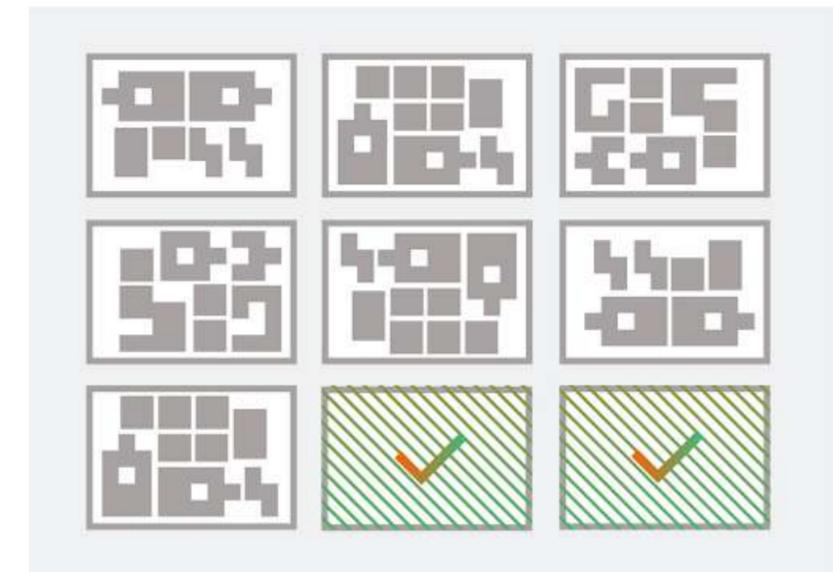
Optimization

Pallet utilization optimization algorithms

Optimized use of effective surface

Optimal re-use of element form molds

Multi-project consolidation



BIM/CAD integration



AUSTR A

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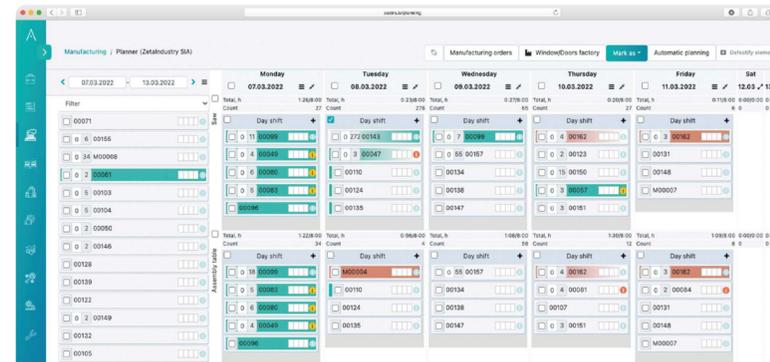
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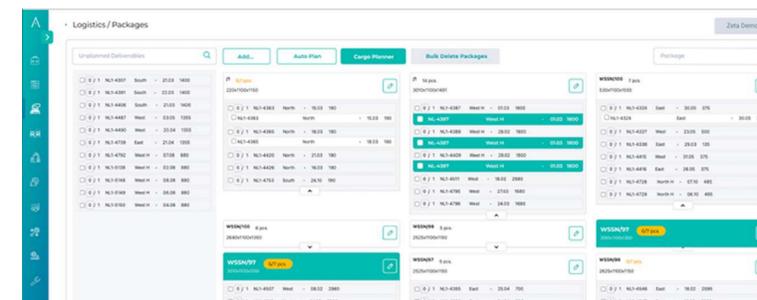
Automated material write-offs, employee salary calculations, and more



Packing-list generation

Transport unit utilization optimization

Integration with manufacturing, warehouse, and delivery input factors

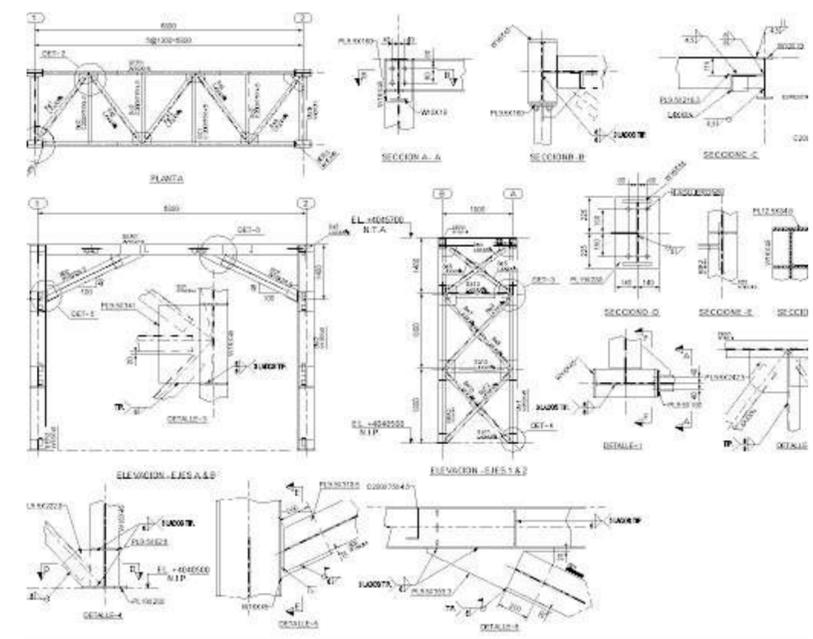
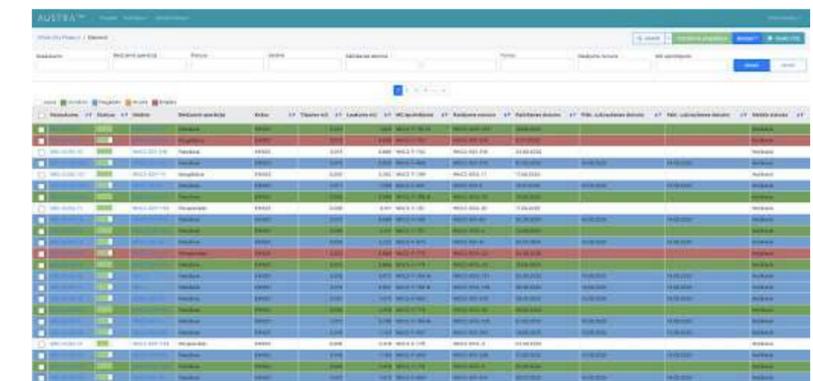


Delivery cycle overview

Project execution status control

Element life-cycle status traceability

Technical specification at hand for all project members



BIM/CAD integration



AUSTR A

Integration with CAD/BIM platforms

Automatic API or template element information upload

Upload information validation - new, updated elements, versioning, etc.

Drawing file upload and storage

Automation of BOM, production time norms

Process automation

Automated project estimation tools:

CAD/BIM information interpretation algorithms

Material quantity readers

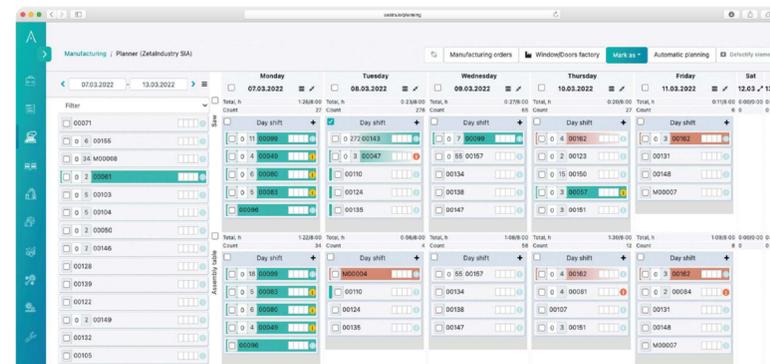
Estimation templates

Automated production planning and scheduling:

Multi-factor scheduling algorithms (time norms, manufacturing resource capacities, delivery dates, BOM statuses, manufacturing equipment technological cycles)

Automated production batch planning

Automated material write-offs, employee salary calculations, and more



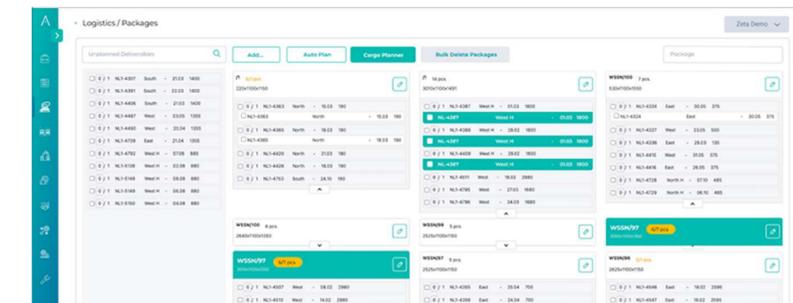
Supply-Chain

Delivery layout optimization algorithms

Parameter based transport unit utilization optimization

Visual information generation for loading instructions

Integration with manufacturing, warehouse, and delivery input factors



Complete material traceability

Structured storage of raw material supplier, batch, unit number information

Final element and BOM information mapping

Automated traceability report generation

BIM/CAD integration



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Integration with CAD/BIM platforms

Automatic API or template element information upload

Upload information validation - new, updated elements, versioning, etc.

Drawing file upload and storage

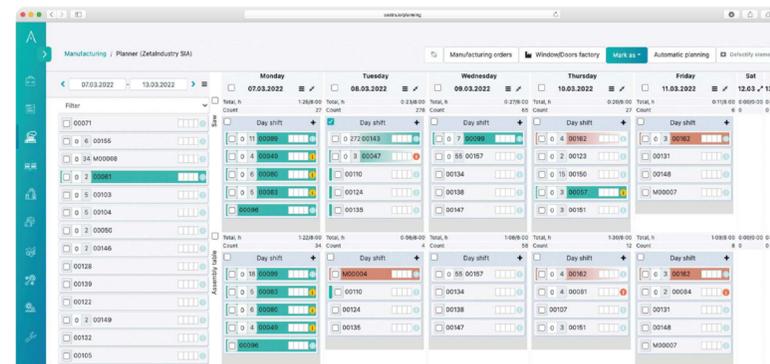
Automation of BOM, production time norms

Process automation

Automated production planning and scheduling

Multi-factor scheduling algorithms (time norms, delivery dates, warehouse statuses)

Automated material write-offs, employee salary calculations, and more



Mobile App

Operation status updates and quality control



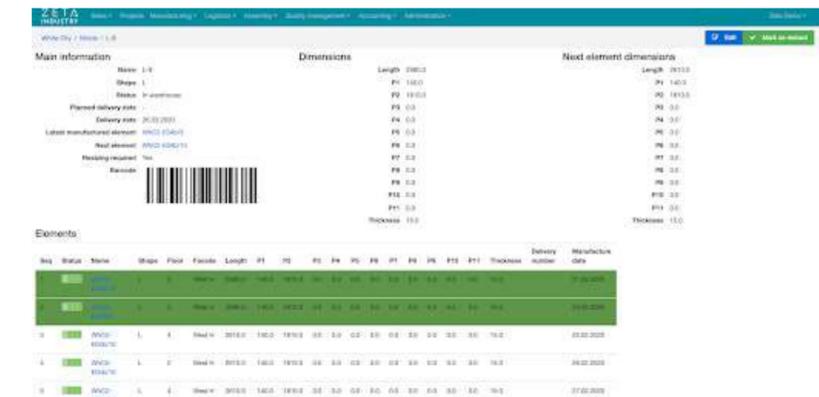
Optimization

Mold optimization

Optimization can be run with or without time limitation (project deadline)

Determine how many molds are needed to manufacture elements

Determine mold resizing plan





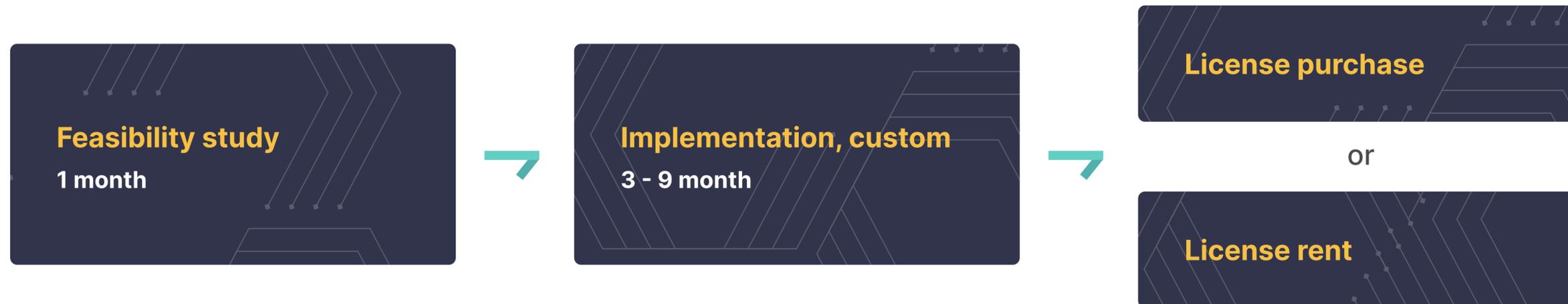
Licensing Models



Licensing Models and Pricing structure

The total investment of the project consists of:

- Implementation of the platform (regardless of the chosen licencing model)
- Investments according to the chosen licencing model



AUSTRA

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