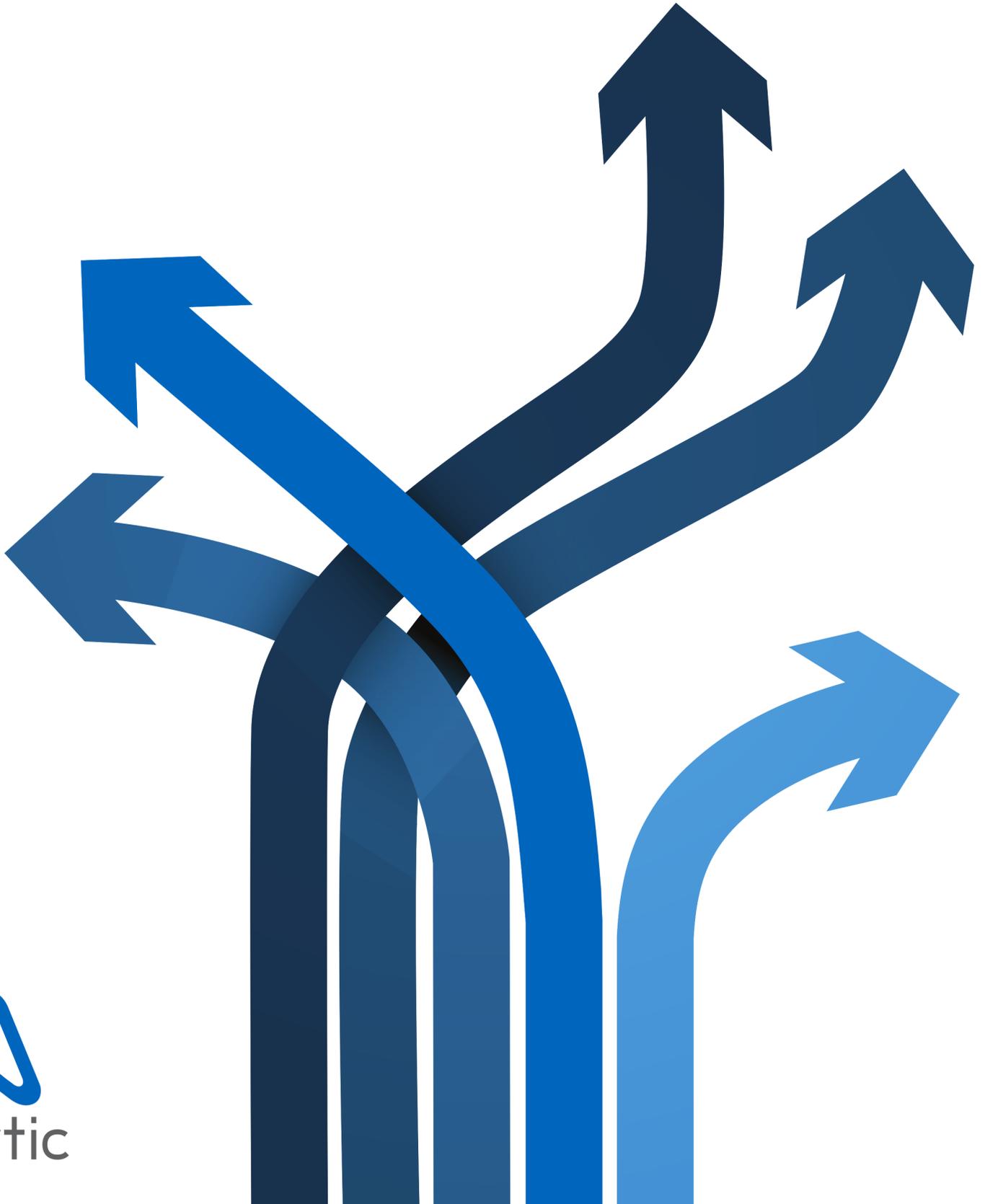
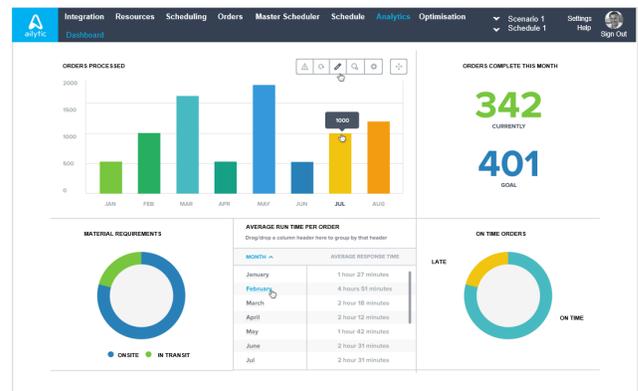


The path to higher margins
starts with Intelligent Decisions....



Make Intelligent Decisions about your production future with powerful, smart and easy to use sensors and decision making software

The Ailytic Real Time Analysis system and Advanced Scheduler simplifies the complex task of monitoring plant performance, importing, creating and optimising the best sequence of orders for your production environment. It easily models and manages complex operational constraints to ensure what you schedule is what will actually happen in the real world.



Configure your Operations, Plant Floor and Equipment Hierarchy, BOM's and Routes to accurately reflect your physical and operational environment.



Model shifts, calendarised resource and machine rates, scheduled maintenance, seasonality and other attributes for true capacity calculation across the entire site.



Import, validate, error check and assess production orders, dry goods, inventory, machine state, maintenance and outages from a range of systems including ERP, MES, SCADA, Historian, Sensors and Custom Data sources.

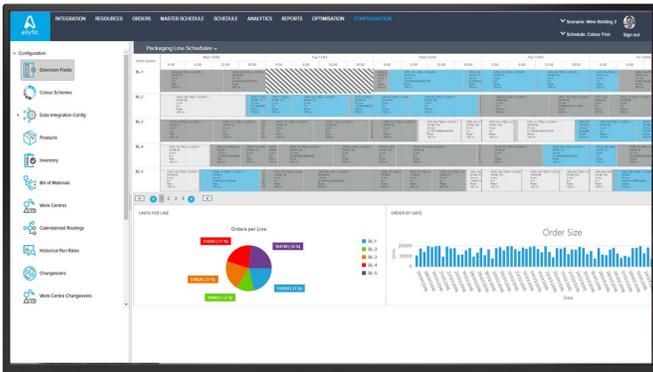


Dynamic Views: represent scheduled work in a dynamic graphical Gantt view and Flexible Grid. Context Sensitive pop-ups, tool tips and drill through for further detail.



Analyse scenarios against key objectives, schedule adherence and run multiple what-ifs with the Performance Analytics module.

Prescriptive Analytics using Artificial Intelligence



Optimisation is where Ailytic differentiates. Many scheduling packages manage rules, use off the shelf solvers and traditional mathematical approaches but we are building a library of unique and powerful AI based optimisers to suit a range of business challenges.



Harmonic Optimiser

Production efficiency is often related to the flow and synergy of relationships between different products, orders, and components that make up manufacturing output.

Ailytic's Harmonic Optimiser smooths and synchronises changeovers, formats and other attributes, crunching options and producing the most efficient sequence possible



Responsive Rescheduling

Dynamically integrate optimised orders with manual adjustments and user-derived last minute changes with advanced propagation of changes to subsequent schedule.

Complex edge smoothing algorithms allow users to confidently place orders anywhere in the schedule and continue to honour constraints and highlight resource capacity issues.



Complex Rule Handling

Fully Constrained schedule considers demand, raw material supply, dry goods and packaging, capacities, resources and multiple objectives to create optimised what-if scenarios

Ensure your schedules adhere to complex rules such as positive and negative delay periods between production steps

Manage Performance

The Ailytic Performance Analytics capability bridges the gap between current and historic plant performance and predicted output with sophisticated dashboards, standard reports, mashups, scorecards, and powerful trending tools to help you drive the decisions required for achieving goals.



Dashboards

User configurable dashboards to report schedule performance how you want it to look.

Published Schedules

Publish approved schedules and have them dynamically visible to multiple departments including the operation (shop floor, plant environment or external stakeholders) via Web Based visualisation.

Predictive Analytics

Automated utilisation of shop floor metrics such as OEE, machine capacity attainment, historic benchmarking and current state situational data to accurately model your environment and keep it updated.

Trade Off Analysis

Easily model trade-offs in scenario and schedule performance with dynamic dashboards and KPI graphs. Use powerful Analytic filters to determine where problems and inefficiencies occur.

Capability to Promise

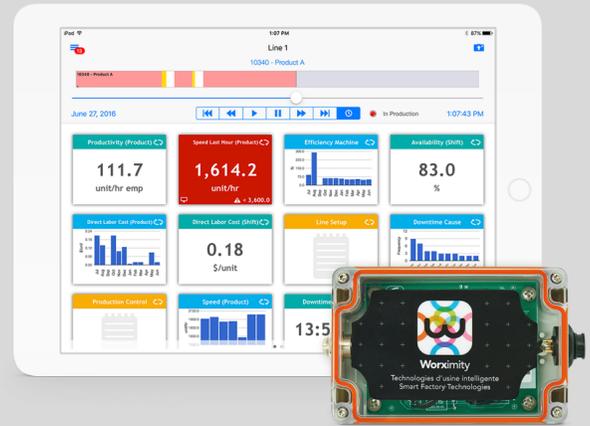
Ensure Capability to Promise for production orders has a high degree of robustness and communicate to stakeholders quickly about changes to order completion dates and times.

Requirements Planning

Highlight projected requirements for production consumables such as raw material, sub-components, dry goods, feedstock, packaging and staff.

Smart Factory Technologies

Welcome to your smart factory where you take real-time control of your production with the Worximity connectivity technologies



Our TileConnect smart sensors can be connected in less than an hour on all types of manufacturing equipment. The data collected is transferred to the cloud and then shown succinctly and in a user-friendly way on our Tileboard dashboard.

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Get up and running in hours, not days or weeks



Our Clients



TREASURY
WINE ESTATES



Pernod Ricard



Accolade
Wines

ANGOVE

SINCE 1886

FAMILY WINEMAKERS

GLENCORE

GRAIN

Oliveri®

About Us

Ailytic is a software company delivering innovative decision support solutions to manufacturing, food and beverage, packaging and general process and discrete industries.

Our software enables decisions that generate significant returns by utilising artificial intelligence enabled algorithms to create production schedules in a full web based application. Lightweight, easily deployed, cloud based or on premise with significant end-user focus, our capability reduces time to value by turning planners and schedulers into analysts with easy what-if comparative modelling of complex operational environments.





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