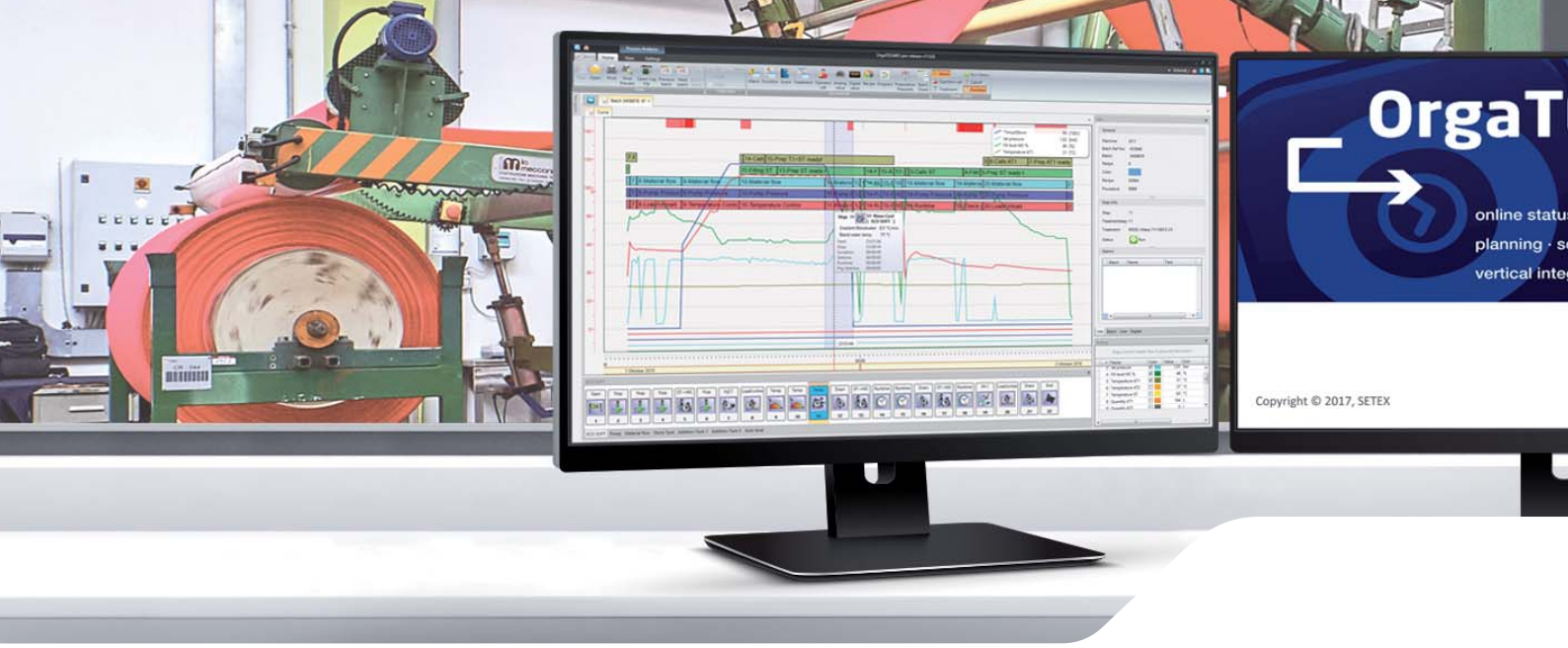
SETEX

OrgaTEX

Production and performance management software for textile finishing



OrgaTEX

Taking the advantages of an MES to the next level with a focus on Industry 4.0

One-click resource efficiency and transparency

Competitive textile finishing is based on sustainable, efficient and adaptable production that can produce the best quality in the shortest possible time at reasonable price.

OrgaTEX MES provides manufacturing and utility management tools designed to optimize operations and improve the utilization of resources, resulting in greater **Overall Equipment Effectiveness (OEE).**

MES from sensor to cloud

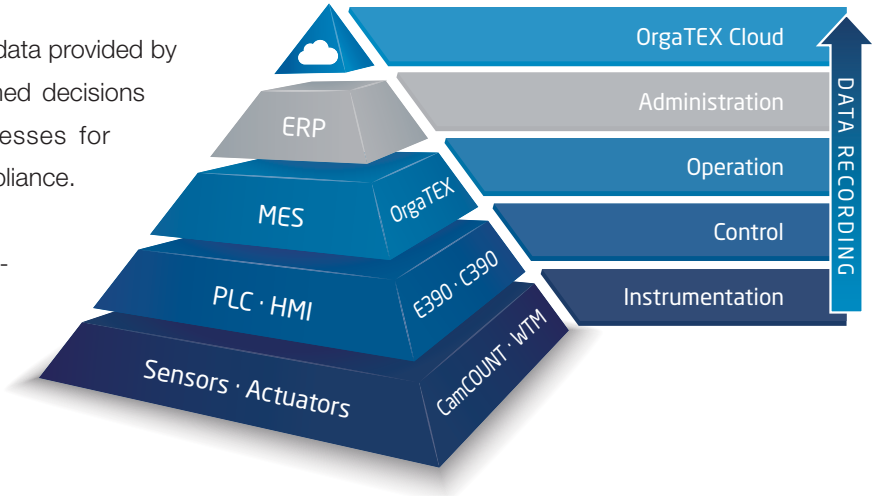
Being perfectly networked and intelligently integrated, OrgaTEX enables textile companies to:

Utilizing the MES system to provide a comprehensive production overview on the levels of planning, machine communication and operation.

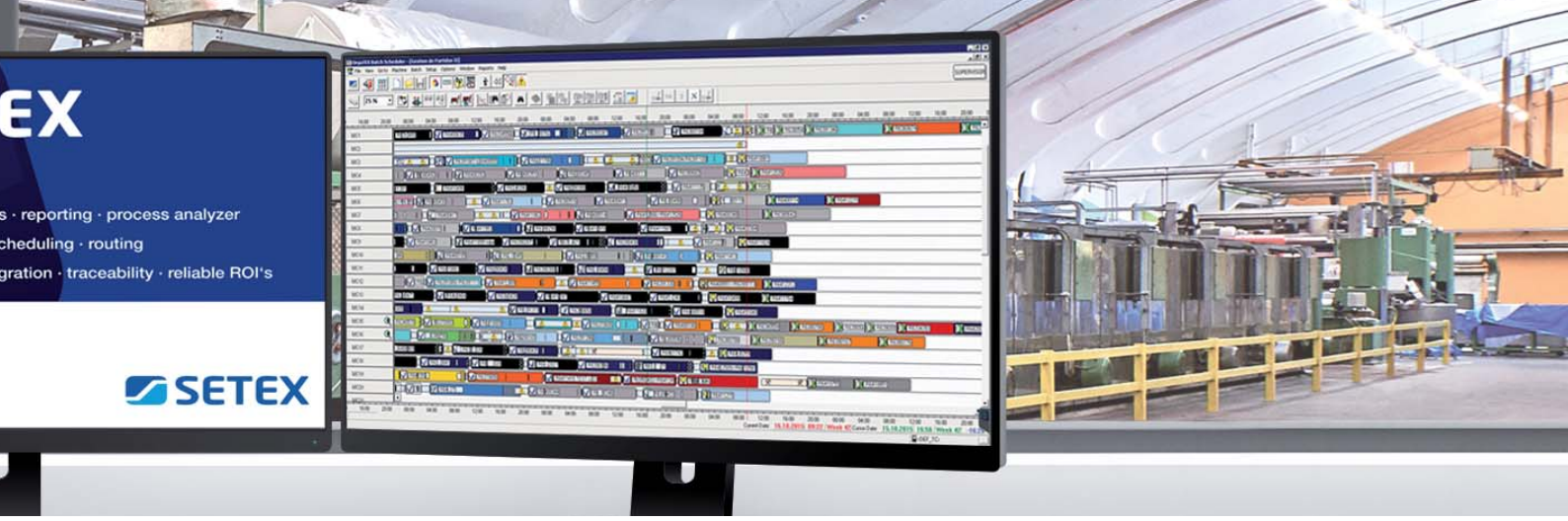
Using the reliable and measured data provided by the MES system to make informed decisions and optimize production processes for sustainability and regulatory compliance.

Utilizing MES knowledge management techniques to optimize production processes on efficiency, water and chemical savings.

Utilizing the MES system to monitor and measure carbon and water footprint data, which is important for supply chain management and meeting environmental standards, including the **European Green Deal** and circularity efforts.



With SETEX you have one supplier for MES software and machine automation



Going beyond production with OrgaTEX MES and BI dashboards

Several parties in a manufacturing company benefit from OrgaTEX, even beyond the production department.

Management

- ✓ Return on Invest
- ✓ Total equipment cost
- ✓ Reliable online planning
- ✓ Production performance and costs

Production

- ✓ Preserve knowledge for future production
- ✓ Extensive data and alarms logging
- ✓ Analysis of batches, downtimes, shifts, …
- ✓ Standardization

Energy and environmental assessment

- ✓ Energy efficiency (electricity, steam, oil, gas)
- ✓ Utility management (hot water, water discharge)
- ✓ Data for carbon footprint
- ✓ Resource productivity

Connecting all machines to MES network

Integrating seamlessly any production machine in textile finishing mills through OPC UA, provides production planning and batch data, adapted process parameters and many additional comfort features to the lines. Machine and process data backflush allows data acquisition down to batch level.

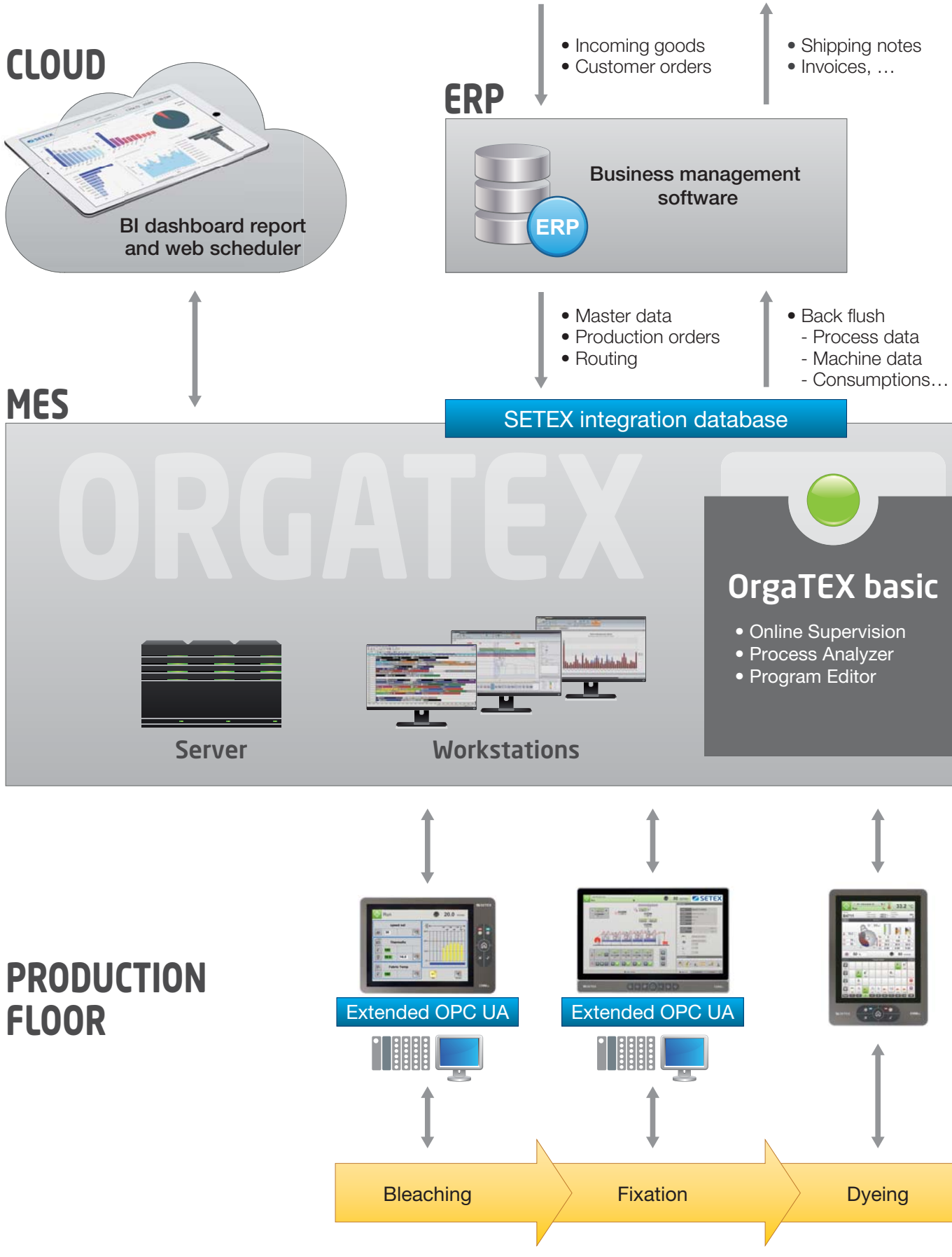
SmartRecipes™

The unique **OrgaTEX Formula Wizard** allows guided incorporation of expertise and production feedback into the system.

The groundbreaking **SmartRecipe™** technology utilizes this knowledge to optimize processes autonomously, making it possible relealize any dyeing process an any machine with just a few smart standard processes. The result is an immense simplification of the recipe management and the daily business.

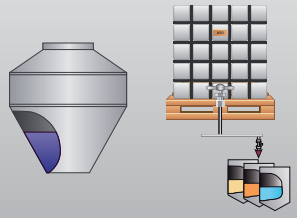
Dyehouse data flow

The OrgaTEX production management system



DYE KITCHEN SYSTEMS

- Paternoster
- Weighing
- Dissolving
- Dispensing



LABORATORY

Datacolor

Lab recipe
- Quality
- Colorants
- Process

SETEX integration database

OrgaTEX professional

- Batch Scheduler
- BI Dashboards
- Production Calendar
- Batch Report
- Alarm/Event Report
- Machine Report
- Master Data Control
- Basic Functions

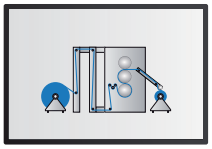
OrgaTEX add-ons

- Smart Recipes
- Formula Wizard
- Stock Management
- Lab2Bulk
- Energy Management
- PDA with Downtimes
- OptiWeigh Weighing
- Paternoster Link
- ...

OPC UA service

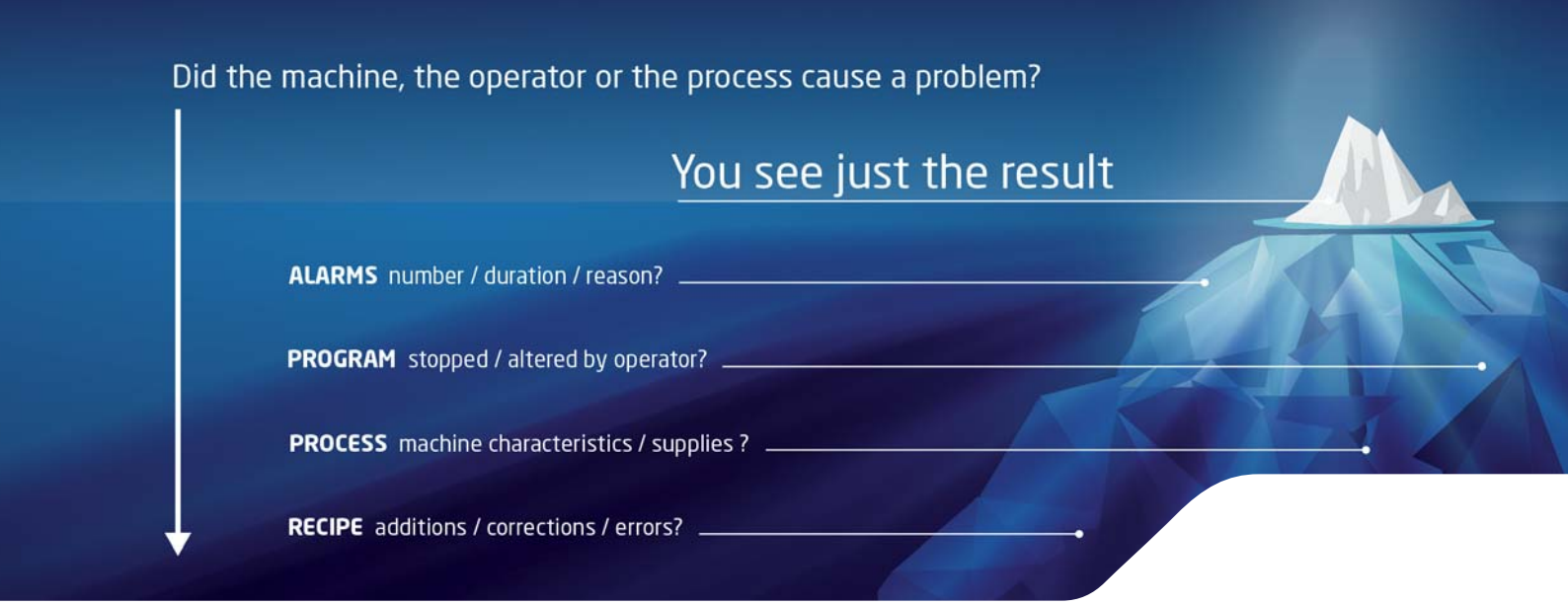
Extended OPC UA

Extended OPC UA



Dyeing → Drying → Compacting → Raising

Material flow



OrgaTEX basic

IT platform for networking machines, components and software

Production monitoring

OrgaTEX online supervision is the real-time information of your running production presented in an interactive window on your office desktop. Miscommunication and misunderstandings are avoided by using the system to visualize, control and adapt every single process step of the machine environment. Even operator calls and alarm messages are indicated – all centrally on a workstation in the office. With OrgaTEX online supervision you have your manufacturing under control.

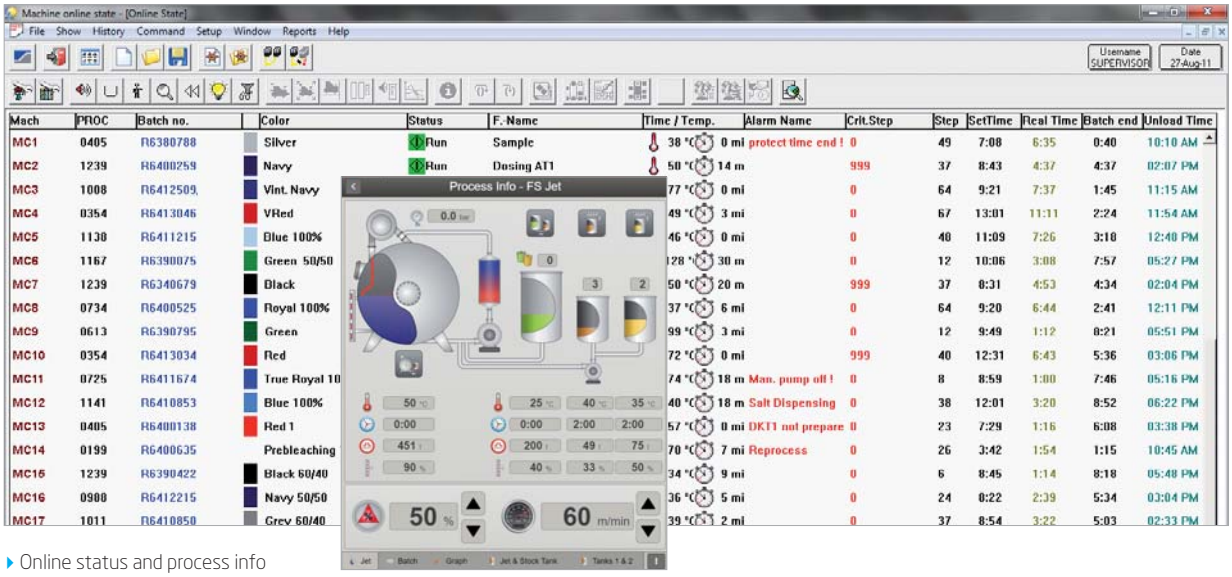
Real-time access to machine automation

- ✓ Status display as time to next operator call and time to batch end
- ✓ Graphical display of process steps
- ✓ Online intervention during batch runtime
- ✓ Shares data with **OrgaTEX Program Editor**

Summary

OrgaTEX supervision modules enable:

- ✓ Fast reaction to unexpected events
- ✓ Visualization of critical information
- ✓ Flexible production
- ✓ Lowering of production cost



Online status and process info

Machine and process data

The parameters for productivity are machine performance, efficient production processes and labor cost besides other resource cost. The communication of machine automation and OrgaTEX modules allows an automatic and extensive data recording for every batch.

The **OrgaTEX Process Analyzer** visualizes every production batch, descriptive and graphically, in width and depths. The analysis style is configurable to show the essential items of the production process straight to you – down to every sensor signal. Different options for rapid interaction with the infographic assist to focus on the desired data.

Useful documentation for

- ✓ Quality standards verification
- ✓ ISO 50001 KPIs
- ✓ Process transparency
- ✓ Preparation and addition treatment processing
- ✓ Selection and display of production downtime

Centralized programs and modular designs

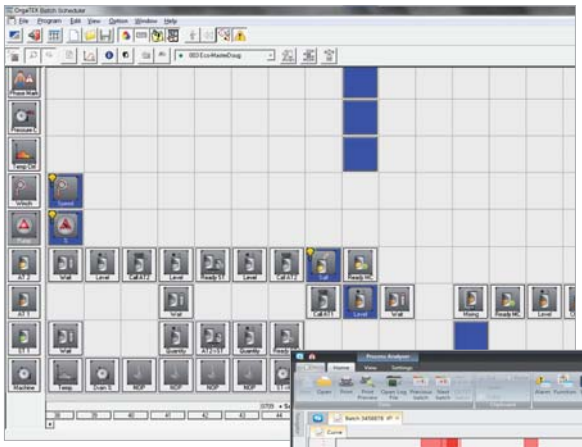
Whether preparing new procedures or “teaching-in” the local machine programs, the **OrgaTEX Program Editor** guides through the creation, management and optimization of production processes. Working with real machine functions, their parameters and values allows to discover anomalies and to systematically optimize production processes for the existing machinery.

The possibility to split up processes visually in different parallel tracks, simplifies every complex production procedure. Such structuring enables operators to avoid countless similar dyeing programs and leads to few Standard Operation Procedures (SOP), which makes everyday optimization easier and increases reproducibility and savings.

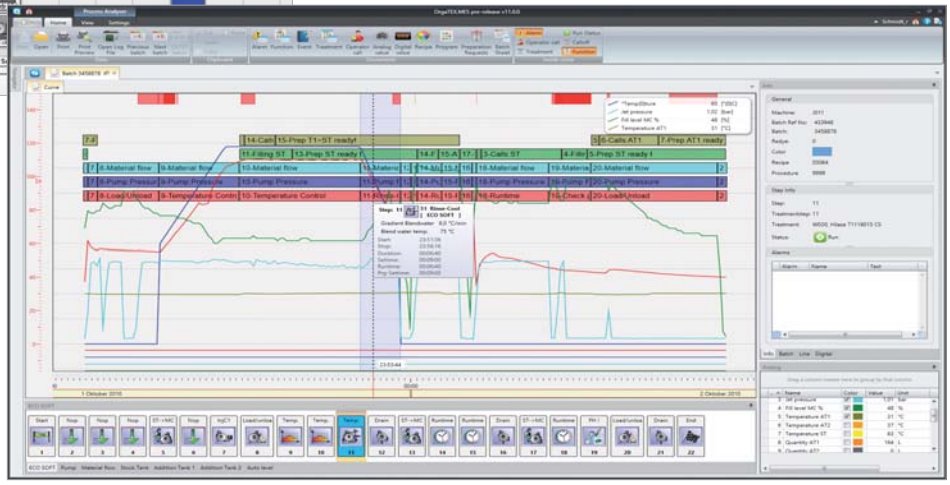
For companies striving to organize production processes more structured in content, the **OrgaTEX Program Editor** provides techniques to compose entire processes out of standard treatment blocks (e.g. prewash, bleaching, soaping, aftertreatments). Thus, it can be used repeatedly and maintained easily.

Features

- ✓ Graphical and tabular forms
- ✓ Temperature/time curve
- ✓ Variable function parameters with formula integration



Dye program editor



Process analyzer: Simple access of essential production information

OrgaTEX MES professional

Production management and advanced planning

Graphical online Batch Scheduler

OrgaTEX Batch Scheduler provides an intuitive interface to schedule and supervise dye lots from one central platform. The graphical planning board provides an authentic situation of the entire production by synchronizing batch details, delivery times and other operational data in real-time.

The production department benefits from instant adaptability and responsiveness to changes, with real-time progress monitoring and detailed information on chemical calls, sampling, alarms and delays. This allows the team to make informed decisions and optimize the utilization of the production machines.

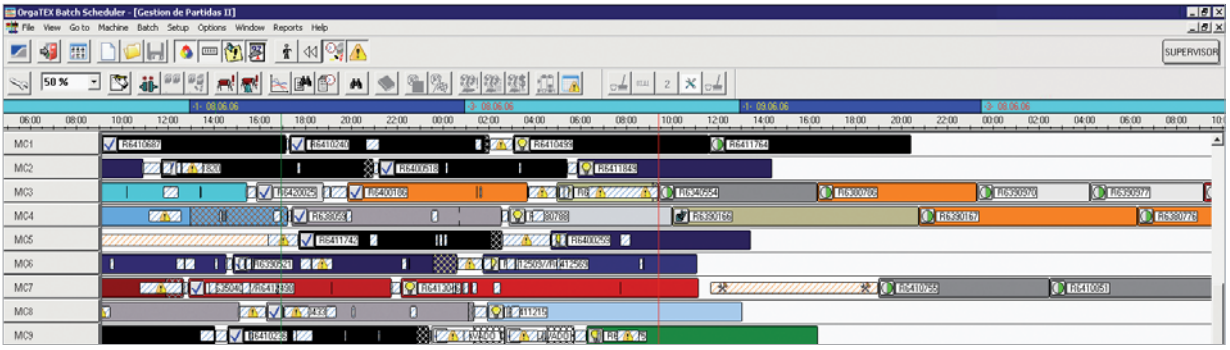
All processes in the production chain are linked with the real-time planning, enabling users to access production recipes, batch costs and batch history with a single mouse click.

Furthermore, several different planning boards can be configured for each section such as preparation, dyeing, finishing, allowing for complex facility visualization, control and optimization.

Summary

The **OrgaTEX Batch Scheduler** brings planning online visible and accessible. It allows easy planning for a maximum machine utilization.

- ✓ Electronic planning board
- ✓ Batch scheduling
- ✓ Drag and drop batch arrangement
- ✓ Deadline monitoring
- ✓ Processing of preparations, additions and repairs
- ✓ Shift-end production break point management
- ✓ Optional: production downtimes visualization



Batch scheduler shift planning

Cloud services

OrgaTEX scheduler with BI dashboard

Access your production data on the go

OrgaTEX's cloud-based production scheduler provides real-time access to production data, streamlining your production planning and scheduling processes from anywhere at any time.

With its intuitive interface, drag-and-drop batch sequencing and machine status updates, downtime is reduced and machine utilization is optimized.

Detailed information about the recipe and all process parameters of a batch are displayed as a pop-up window by a mouse click.

One of the key advantages of our cloud-based production scheduler is its secure and controlled environment for managing your production. The streamlined interface allows you to view and manage your production pipeline in real-time, without compromising on safety. While the on-site edge-based scheduler offers a full range of functionality, the cloud-based version has been designed with safety and security as a top priority.

Production planning

BI dashboard analytics

Powerful production insights – on any device

In addition to these features, our production scheduler offers the added capability of displaying BI dashboard graphics. These graphics provide a clear and concise visualization of your production data, enabling you to quickly identify trends, patterns and potential areas for improvement. By using our scheduler, you can gain even deeper insights into your production performance, allowing you to make more informed decisions and take proactive steps to improve your production efficiency.

Recipe and process management

From bill of material to SmartRecipes™ in textile dyeing

Unlike traditional recipe management techniques, which rely on linear scaling based on textile weight and liquor ratio, **SmartRecipe™** takes a more holistic approach.

By breaking down the entire production process into standard treatments, rules determine the best available technique to use for each unique production batch.

But it doesn't stop there. **SmartRecipe™** scans the entire order to decide which products to use at which concentration, taking into account fastness requests, special colorants and other dependencies.

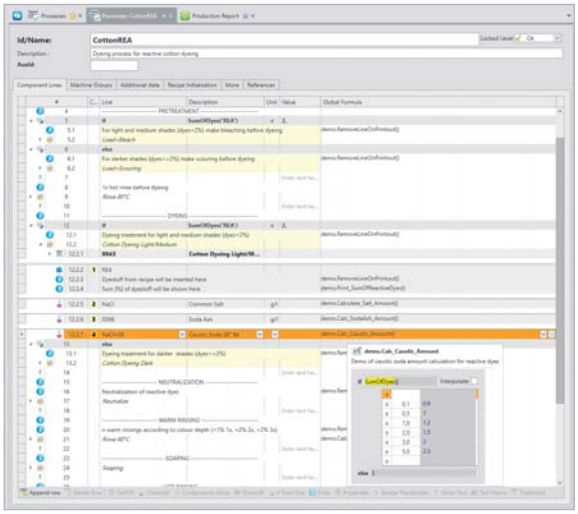
And with the modular approach, updates and enhancements to formulas are instantly valid for all linked smart recipes and processes. With **SmartRecipe™,** standard processes become dynamic, resulting in optimal production output with the least amount of resources.

Features overview

- ✓ Product data management
- ✓ Quality/style management
- ✓ Customer management
- ✓ Process and treatment management
- ✓ Product inventory
- ✓ Formula wizard (option)
- ✓ Color matching integration (option)
- ✓ Lab dispensing integration (option)
- ✓ Dye kitchen systems integration (option)

Advantages

- ✓ Increased efficiency and resource utilization through optimized production processes
- ✓ Dynamic and flexible adaptation to changes in production requirements, such as new product lines or updates to existing formulas
- ✓ Reduction in production waste and environmental impact through optimized chemical usage and water consumption
- ✓ Standardization of processes leading to improved quality control and reproducibility of products
- ✓ Real-time tracking of production data and batch history for quality assurance and analysis



SmartRecipe™

Integrated color management

The exclusive **Lab2Bulk** middleware enables communication and data exchange between OrgaTEX and the world leading color management solutions provider, allowing them to work together seamlessly.

One click from Laboratory to Bulk (Lab2Bulk). We want customers to get on target color from match prediction to batch completion with a universal solution that also meets strict retailer specifications.

Features

- ✓ Master-data sync for data consistency
- ✓ Import of approved lab-recipes
- ✓ Measured sample color on the OrgaTEX batch planner
- ✓ Sampling stop triggers instrumental measurement for production correction
- ✓ Flexible manual color adjustments with automatic unit converters

Formula Wizard: central intelligence

This unique feature with a comprehensive formula management sets us apart from other recipe systems. Our **Formula Wizard** module simplifies creating, updating and managing formulas, making it easy to copy instructions from a supplier or other sources. A simulation editor allows users to check the effects of any changes before implementing them.

By centrally managing all formulas, we avoid redundancies and errors that may arise from having the same formula in multiple processes and treatments. Additionally, users can easily track where a formula is used throughout the archive.

Product lot tracking

As product lot tracking has become crucial to ensure safety, quality and compliance by tracking specific batches or lots of products, this feature is supported across the production modules.

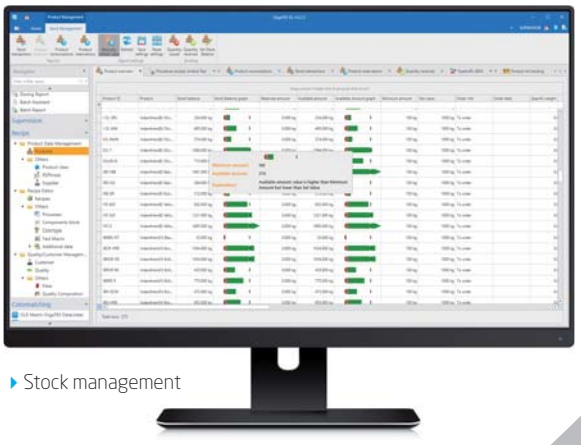
Product stock management

To enable continuous and on-time production, it is essential to have precise insights into stock amounts, real-time consumption withdrawals and the ability to place just-in-time orders for products that fall below the stock minimum.

The new **OrgaTEX stock control** module features all with a graphical stock balance overview and interactive report.

Features

- ✓ Specific stock conditions (minimum, optimal amount and package size)
- ✓ Consumption reports with flexible criteria
- ✓ Stock reservation on batch disposition
- ✓ Real-time stock update on batch completion
- ✓ Order list with product amounts below stock minimum
- ✓ Cost calculation of stock quantities



Stock management

Reporting

Maximize performance with BI dashboard analytics

Designed specifically for the textile industry, our software provides comprehensive reports on production efficiency, machine and process analysis, weak point identification, Overall Equipment Effectiveness (OEE), as well as essential reports on material and resource consumption.

Our comprehensive BI reporting capabilities empower both managers and production specialists to extract meaningful insights from complex datasets, enabling data-driven strategies and enhancing operational efficiency.

Integrated and connected data collection

We utilize the digital footprint of integrated and networked production systems by capturing data from multiple sources, including machine data collected by sensors, applications and service logs.

Batch performance and consumptions

This report presents key metrics and performance indicators aspects of your production process:

- ✓ Right first-time quote (number of additions)
- ✓ Batch report/used ingredients, recipes per batch
- ✓ Targeting versus result for a production (t/day)
- ✓ Ingredients used
- ✓ Total production costs
- ✓ Product costs per kg produced fabric/yarn
- ✓ Consumption of water, chemicals, dyestuffs
- ✓ Energy consumption of electricity and steam

Production overview

Production efficiency reports

Reports, focusing on monitoring and analyzing the utilization of machines and production resources, as well as tracking performance against targets:

- ✓ Machine and production utilization including maintenance
- ✓ Reduction of stock (Work in Progress)
- ✓ Production transparency increase
- ✓ Comparison of machine performance and target
- ✓ Comparison between machines

Weak point analysis

Power BI reports dig into the disharmony details of each production batch and explores them from different perspectives. By transforming the data into expressive visuals, you can focus on the problem and see where you are behind the trend.

- ✓ Process runtimes
- ✓ Alarm messages
- ✓ Problems with dispensing, liquor ratio etc.
- ✓ Comparison of current with historical data
- ✓ Unplanned downtimes (delays, quality, raws)
- ✓ Operator performance (timing, throughput, manual interventions)

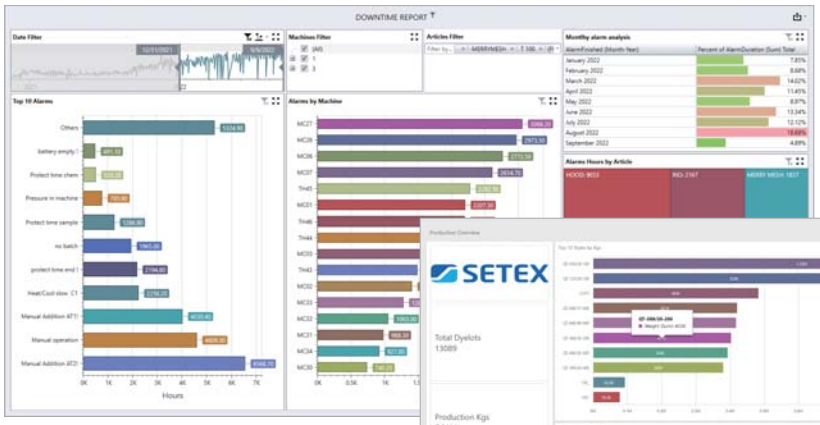
Overall Equipment Effectiveness (OEE)

Availability against planned times, performance against target values and process quality against additions are the key factors to obtain the real Equipment Effectiveness.

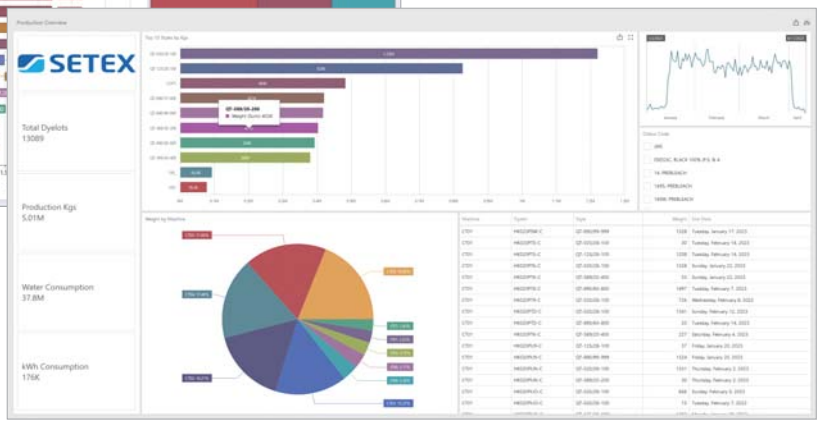
To improve the operational performance, it needs information on lead times, maintenance, additions and color corrections, uptimes, planned and un-planned downtimes, etc. In short: OEE adapted to the manufacturing assets.

By monitoring the performance of every single machine in the production floor, adding shared recipe and process information (e.g. alarms) and collecting information of unplanned downtimes, the **OrgaTEX Reporting** tool provides robust information on these grounds.

- ✓ Reducing efforts to collect real-time production information
- ✓ Preventing unscheduled downtimes
- ✓ Maximizing of production equipment utilization
- ✓ Reducing maintenance costs by optimizing planning activities
- ✓ Improving process performance
- ✓ Export to spread sheet through “grid to file”
- ✓ Creating significant reports based on the latest data



Downtime report



Dashboard production

OptiWeigh

Integrated system for reliable product weighing

The manual weighing and dissolving of dyes and chemicals does not track the products and quantities used. The **SETEX OptiWeigh** solution guides the operators through the color kitchen weighing process: precise, reproducible and documented. Constant data exchange between the OrgaTEX MES and **OptiWeigh** system allows online batch handling and works in sync with production planning and stock control. All integrated components are designed for longevity and ensure a perfect day-to-day color kitchen environment job.

Fully integrated

- ✓ Immediately availability of scheduled batches on the OptiWeigh weighing station
- ✓ Fast selection with a barcode scanner
- ✓ Batch/product status synchronized with OrgaTEX
- ✓ Product consumption feedback
- ✓ Product lot tracking

Working as dyers like

- ✓ Auto-scale-selection based on product quantity
- ✓ Applies practical tolerances by scale and product
- ✓ Graphical weighing process visualization
- ✓ Bucket identification with partial batch tickets printout
- ✓ Weighing of single products independent of batches
- ✓ Weighing sequence can be paused on priority jobs
- ✓ Books packages and weighs just the remaining amount with large quantities

Connective

SETEX OptiWeigh is expandable:

- ✓ Up to 3 scales are supported
- ✓ Link to paternoster units with SECOM controls (option)

Ergonomic designed housing for PC and equipment

Paternoster

Increase the value of your paternoster with a modern SECOM controller and integration into the OrgaTEX weighing workflow:

- ✓ Weighing process drives paternoster product in pick position
- ✓ Products are identified by barcode
- ✓ Weighing sequence waits for paternoster confirmation

Dye kitchen systems

Seamless integration empowering dyeing efficiency

Integrating automatic dye kitchen and dispensing systems offers significant benefits that go beyond simply saving chemicals.

Improved utilization through anticipation of upcoming product call-offs and shorter response times through proactive preparation of required products and resources in advance lead to improved overall efficiency.

Achieving synergy through OrgaTEX integration

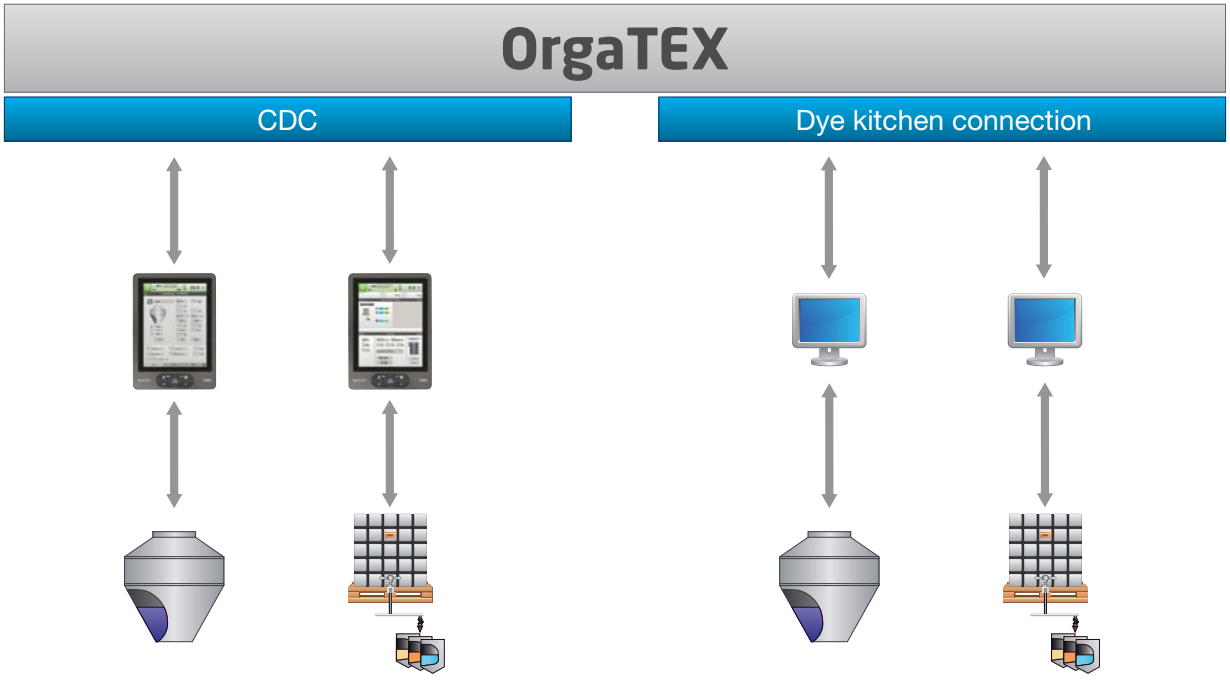
OrgaTEX takes care that automatic dispensing and supply systems work perfect in sync with the dye process. Dye machine controllers receive software extensions to implement an intelligent real-time communication between the systems. The logistics for charge and preparation tanks provide “look ahead” and “batch overlapping” features for dye lot preparations.

Perform preparation calls in different ways:

- ✓ Via SETEX controllers on the production machine
- ✓ With a dyeing department request terminal
- ✓ By manual activation in the **OrgaTEX Batch Scheduler**

Features

- ✓ Dye kitchen system preparation data (product, quantity, target tank and request time)
- ✓ Exact product consumption feedback for stock control
- ✓ Synchronization of error messages between dye kitchen and production machines
- ✓ Production additions priority handling by OrgaTEX and dye kitchen system



Integration central dye kitchen system with SECOM controllers

3rd party integration

CDC – Central Dye Kitchen Control

Station manager for dispensing and dissolving systems on just ONE platform

The **OrgaTEX CDC** module optimizes color kitchen capacity utilization, generates individual dissolving procedures and syncs anticipatory actions of dyeing machine programs. This simplifies day-to-day business and increases the throughput.

Capacity utilization

The intelligent real-time communication between SETEX control systems installed in central dye kitchens and dyeing machines, is able to request products from the dispensing system as soon as an addition tank is empty – even though the products are needed in the following batch.

Priority management

Time-critical additions for dyeing machines or manual requests are prioritized automatically. Calls for chemicals or dyestuffs can be split and handled on several dispensing stations to optimize the utilization of the facility.

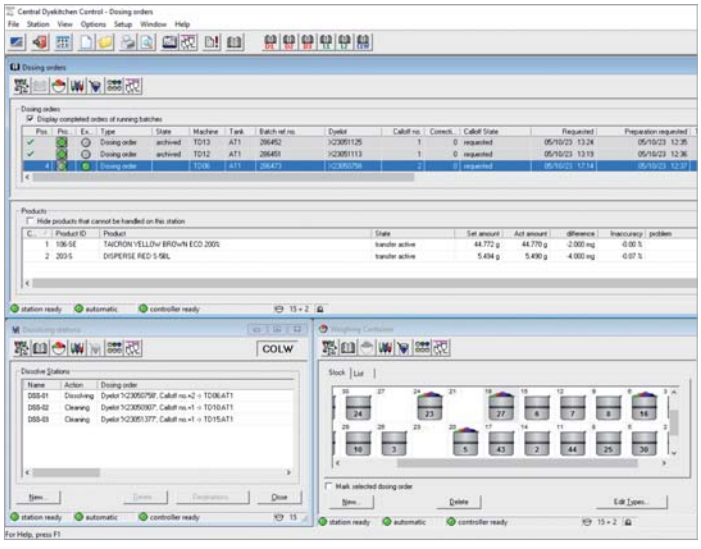
Instant feedback

CDC shows the status of all preparations online and provides different scenarios to avoid production process delays.

In case of a preparation process malfunction, e.g. supply tank runs out of chemical, the enhanced functionality of **CDC** communicates with the dye machine and switches to manual intervention for the running batch.

Features

- ✓ Automatic creation of dissolving programs
- ✓ Priority assignment of preparation processes
- ✓ Automatic priority scheduling for additions
- ✓ Equipment effectiveness control
- ✓ Detailed malfunction alarm indication
- ✓ Configurable emergency handling
- ✓ Tank administration and safeguard to prevent contamination
- ✓ Dispensing history and reports



▸ Dosing orders

PDA – Production Data Acquisition

Industrial performance analyzer

Production data acquisition

Was the machine productive or just running? To identify and quantify reasons, which impact the performance, the SETEX **PDA** module makes use of machine controller add-ons to display potential downtime reasons and user input.

If problems occur that trigger alarms, it is important to be able to react quickly and appropriately. Performance, quality and availability (OEE) is impacted by all reasons of unplanned downtimes. The **OrgaTEX Alarm and Event Report** allows to easily assign different alarms of different machines to meaningful messages: the only way to interpret and quickly resolve problems.

Controller function add-on

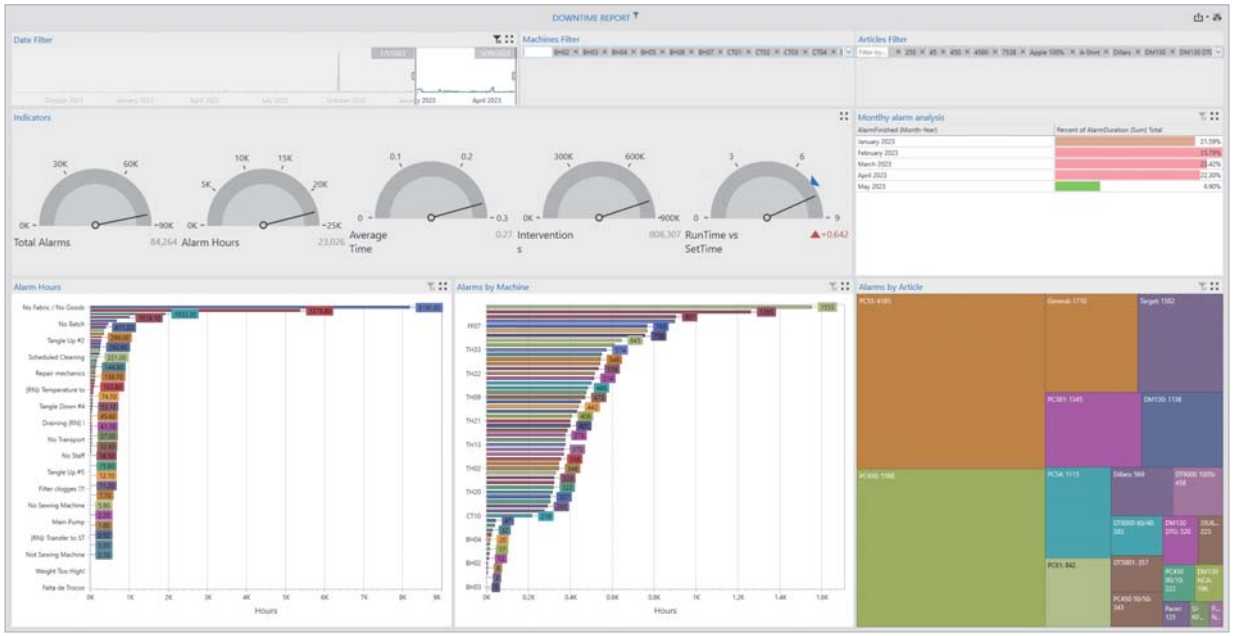
Unplanned downtimes are assigned to SETEX controller hotkeys, adding up to 64 different stop reasons to complete and fine-tune every OEE report. A production increase of 8–25 % can be achieved with informed decisions.

Selection of downtime reasons

Software add-on

The performance analyzer functionality integrates with **OrgaTEX Batch Scheduler.** The planboard history visualizes “on-click” scheduled downtimes (e.g. maintenance), unscheduled downtimes with reasons and duration.

Scheduled activities (e.g. maintenance) are integrated into the fine planning visualization and allow precise online production planning.



Downtimes displayed in BI report

Solutions for textile finishing

From traditional finishing to automatic guided and controlled manufacturing

By drying, compacting and functionalizing fabrics in finishing processes, you can improve data protection, user comfort and machine performance by integrating your finishing machines with OrgaTEX MES for an optimized use of the five resources: material, water, energy, time and workforce.

Seamless digitalization and resource management

OPC UA integration of shop floor production machines with OrgaTEX MES enables seamless communication and data exchange of diverse machine and process data, such as production status, process variables, alarm and event notifications as well as energy consumption, allowing for efficient monitoring, analysis and optimization.

Features

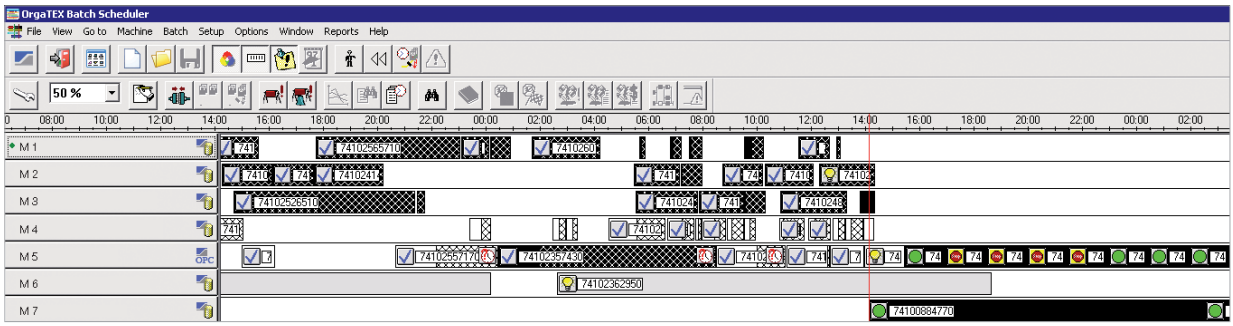
- ✓ Batch management
- ✓ Automatic set time calculation
- ✓ Interactive production planning
- ✓ Deadline monitoring
- ✓ Preparation calls to dispensing system

Extended OPC UA

Integrating with OrgaTEX MES offers the advantage of interface extensibility, eliminating the need for machine builders to program additional functionalities. SETEX C390 controllers, with built-in OPC UA client and native OrgaTEX interface, handle production planning, batch transfer and unplanned downtime reasons seamlessly.

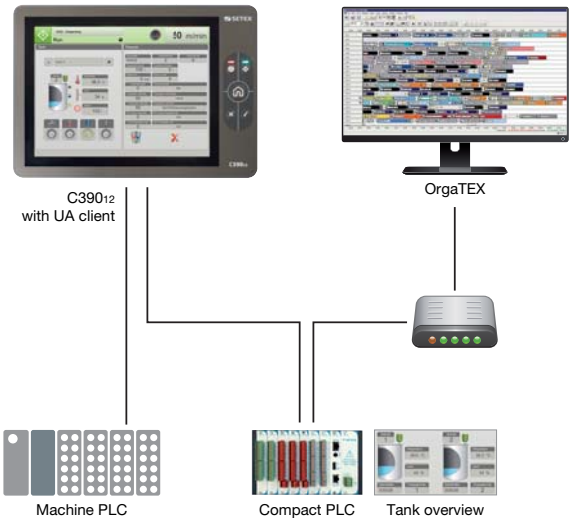
Production scheduling

The graphical planning board delivers an authentic situation of all finishing machines in real-time e.g. batch running status or machine maintenance. One click away important figures are linked to the batch. Important day-to-day decisions can be made immediately on true numbers such as batch cost, consumption and time.



Batch scheduler

Integrated OPC UA connection



Efficient pad batch production

OrgaTEX ensures precise recipe calculation, efficient bath preparations and seamless tank management. Achieve eco-friendly dyeing results with separate tank preparations and closed-loop communication with automated dosing supplies for enhanced productivity and consistent quality.

Process management

In the continuous process management OrgaTEX provides its own editor for creating and managing preparation sets for article-specific machine setting.

Features

- ✓ Graphical and tabular editor
- ✓ Central controlled and synchronized parameters
- ✓ Teach-in functionality

Production monitoring

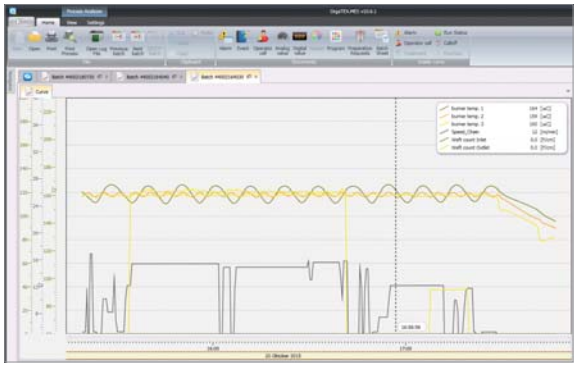
The availability of having all machine and process parameters connected to the production order available in MES offers significant advantages in terms of quality control and process confirmation.

Firstly, it enables thorough analysis and investigation to pinpoint any deviations or anomalies. Moreover, the production log file serves as concrete proof of the correct and optimal production process, offering reassurance and validation of the manufacturing operations.

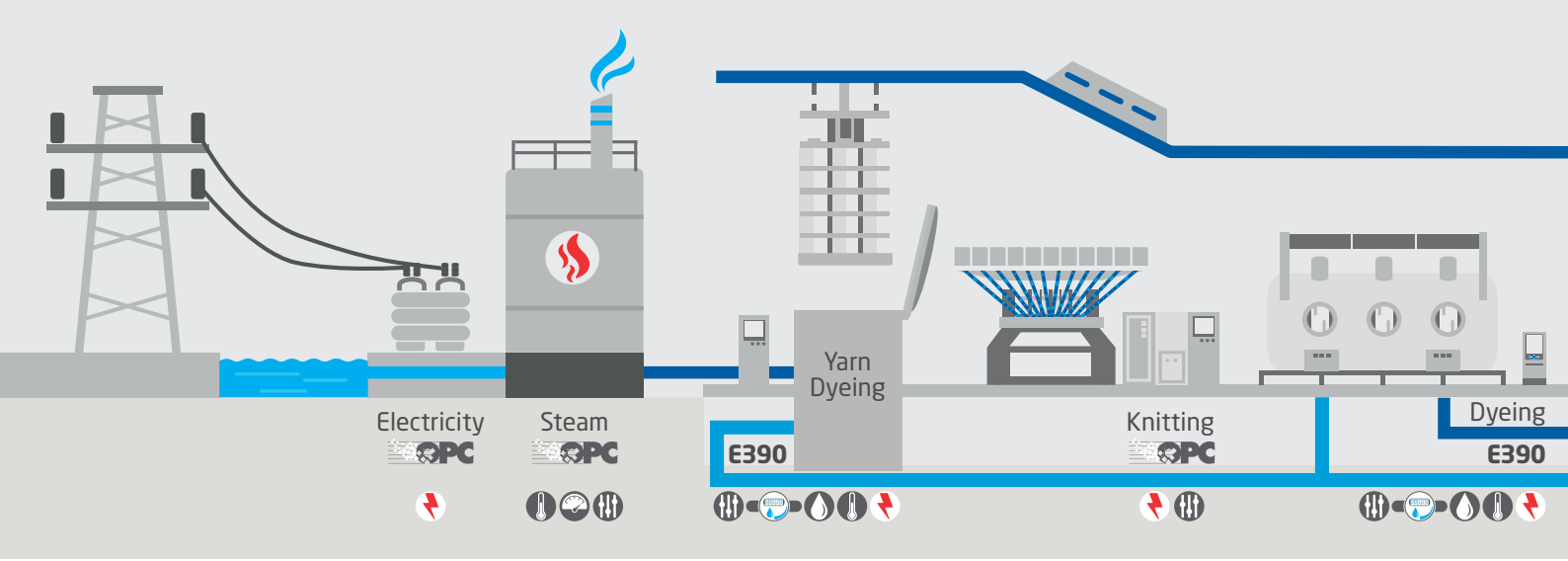
This ensures accountability, facilitates continuous improvement efforts and strengthens the overall quality management system.

Features

- ✓ Detailed record for traceability and analysis
- ✓ Root cause identification for troubleshooting
- ✓ Enhanced quality control and process validation
- ✓ Real-time monitoring for proactive intervention
- ✓ Historical analysis for process optimization



Production order process analyzing



Active resource and energy management

Made-to-measure energy-flexible production

SETEX Active Energy Management goes beyond reporting and KPIs. It enables energy-sensitive control and energy-flexible production.

The system actively adjusts production processes to optimize energy consumption at various levels: on the machine controller, as a central energy control terminal of a department and through comprehensive **OrgaTEX Energy Management** modules. By integrating and sharing data across machines and software applications, the system provides cross-functional insights on energy consumption, helping manufacturers find different ways to save energy and reduce costs.

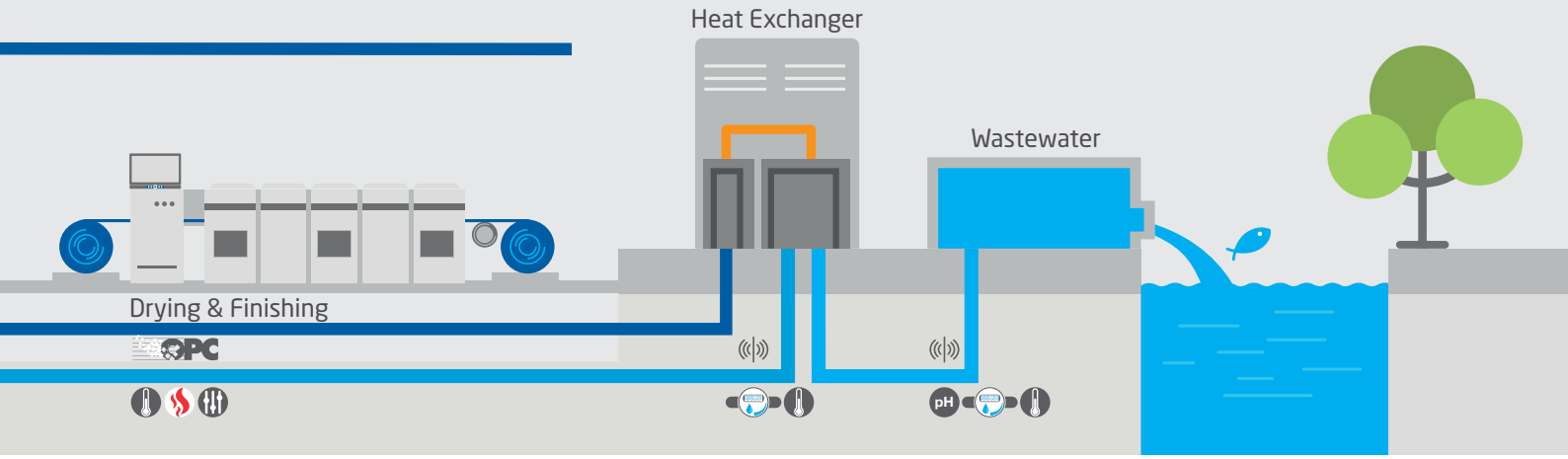
3 steps to active energy management

Step 1: Energy control terminal

All begins with energy data collection. Machines are equipped with sensors to measure energy data and a data management system is implemented to record and monitor resource consumption.

The second step involves energy data analysis and processing, where software aggregates the data, develops key performance indicators (KPIs) and establishes threshold values. Critical exceedance is predicted to proactively identify when threshold values will be surpassed.

Step 2: Energy data analyzes and processing



Step 3: Steam real-time cockpit

In the third step, proactive real-time adaptations are made by aligning production activities with available energy resources. Intelligent de-escalation scenarios are run and responsible personnel are informed of critical situations.

This step is performed by the **OrgaTEX Plant Navigator,** who simplifies the management of interconnected machines and processes in the production environment, while also applying customer-specific rules and threshold values for resource utilization and enabling proactive adaptations in production processes.

Practical solutions for specific energy scenarios

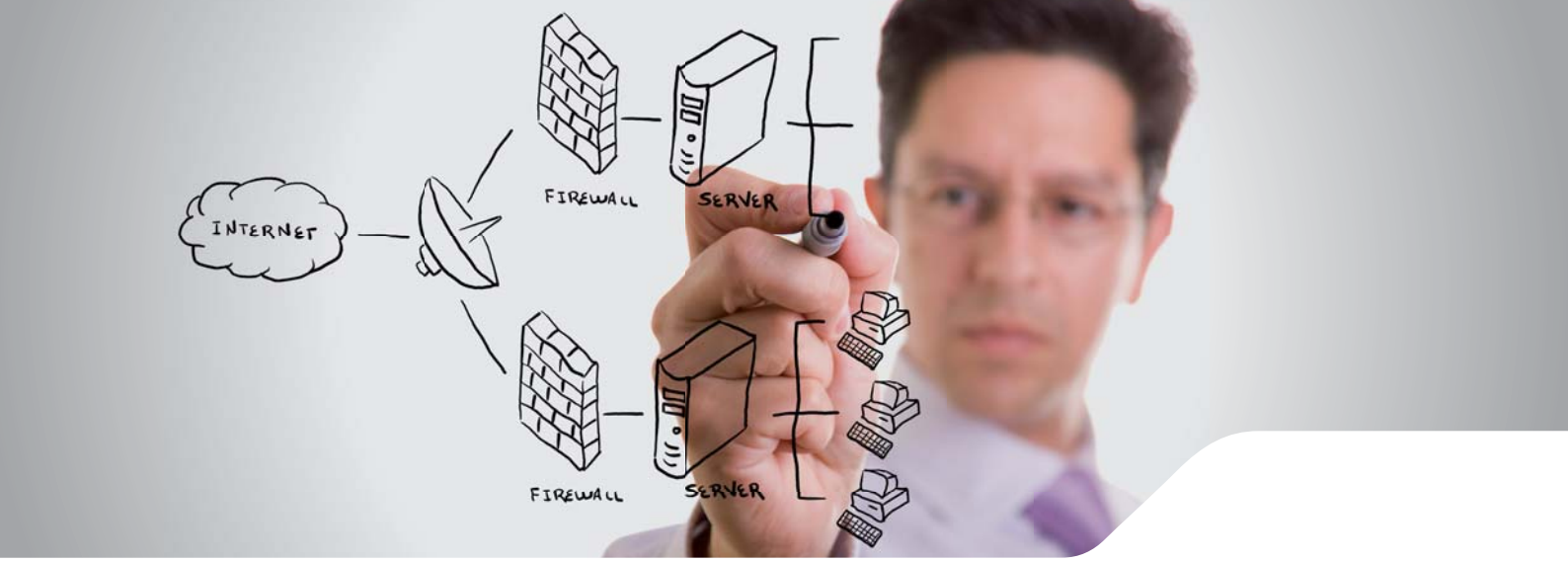
In steam production, the system can set up an energy cockpit to monitor steam metrics, temperature and flow. In case of projected overload or underload, it triggers actions like firing an emergency boiler or setting the active boiler in ECO mode.

For machine water management, synchronizing temperature with machine heating actions and automatically selecting the appropriate water type based on availability and priority management.

It actively balances energy loads through its unique closed-loop approach by analyzing real-time data and dynamically adjusting process steps for optimal energy utilization and stability.

The heat exchanger gains the advantage by linking temperature sensors and flow meters, enabling accurate monitoring and optimization of energy savings. This ensures precise control of heat transfer, resulting in maximum efficiency and reduced energy consumption.

For machine electricity management it offers benefits by projecting energy peaks and takes proactive actions to prevent additional machines from starting. Furthermore, it prevents energy-sensitive actions within the production process from proceeding, if possible, as defined in the **Plant Navigator** scenario.



OrgaTEX – IT strategies

Clustering, virtualization and terminal services architecture

Expensive production downtimes require preventive methods to bridge system failures, to generally improve the IT service and to simplify the management of applications and computers.

Server virtualization

OrgaTEX supports server virtualization in order to help companies to benefit from better hardware utilization, easier and faster recovery and ease of management.

Commodity factors through external data storage and fast migration to a new hardware are additional benefits to the decreasing operating costs such as energy, space and air condition.

OrgaTEX is fully compatible with most virtualization platforms when used with SETEX's latest controllers:

- ✓ VMWare vSphere Server
- ✓ Microsoft Hyper-V Server

Failover cluster systems

Industrial production with a high degree of automation and integration is requiring continuous IT availability and a high degree of reliability. With high availability systems (HA), realized by using redundant cluster systems, the production machine controllers will not even notice when OrgaTEX has switched to another resource.

System security

- ✓ Prepared for failover cluster systems
- ✓ Seamless (real-time) failover
- ✓ Resource configuration for database services, shared drives and background services to allow a switchover on all cluster nodes

Cloud services

When deciding between local hosting and hyper-scaler hosting like Microsoft Azure, AWS or Google Cloud, the specific needs and goals of the business must be considered, as well as technical factors such as security, compliance, latency and disaster recovery.

Summery

- ✓ Easier external access (Internet/WAN remote client)
- ✓ Enhanced cybersecurity measures
- ✓ Easy updates – only one instance of the software is maintained
- ✓ Full software capability on every terminal
- ✓ Time saving administration by using a centralized concept

Overview

OrgaTEX basic - OrgaTEX professional

Functions	basic	professional
Dyehouse Production		
Program Editor	●	●
Process Analyzer	●	●
Online Supervision	●	●
Batch Scheduler	–	●
Production Calendar	–	●
Reporting		
BI Dashboards / Dashboard Designer	–	●
Batch Report	–	●
Alarm and Event Report	–	●
Machine Report	–	●
Master Data Management	–	●
Cloud Services	–	●
Web Scheduler	–	●
Web Dashboard	–	●
Production Downtimes (PDA)	–	●
Production Recipe	–	●
Stock Management	–	●
Formula Wizard	–	●
Lab2Bulk color matching interface	–	●
Active Resource and Energy Management	–	●
Plant Navigator	–	●
Weighing	–	●
Paternoster Interface	–	●
Interface to Dye Kitchen Systems	–	●
CDC - Central Dye Kitchen Control	–	●
Interface OPC UA to Continuous Machines	–	●
Continuous Production	●	●
Interface ERP/PPS	–	●

– = not available, ● = included in OrgaTEX basic, when used as single PC setup, ● = included in OrgaTEX professional, ● = additional modules

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