ETONingenious™

ETON**ingenious**™

is the latest generation of software from **Eton Systems AB**

ETON**ingenious**™ is the latest generation of software from Eton Systems AB. A web based real-time data collection and information system that continuously accumulates, processes, and clearly presents powerful production information to supervisors, quality control personnel and management.

ETON**ingenious™** is web based and allows its user friendly and powerful functionality to be accessed from any device with a web browser. Since ETON**ingenious™** is user based it allows each user to have their own design and personal touch on their screens. ETON**ingenious™** can be tailored for your specific needs and unique production requirements.

Eton Systems AB has over the years learnt about production requirements, customer demand and challenges within the working environment. Always listening to customers to improve and fine tune their software platform. Eton System's latest software platform is derived from the old platform and improved to manage and overcome challenges for years to come. Eton System created the UPS system and has now perfected the UPS concept with the ETON**ingenious™** software.

It also allows users to extract critical production information in real-time and has periodical reports, giving you total control of the information that you receive from the system at any moment in time.

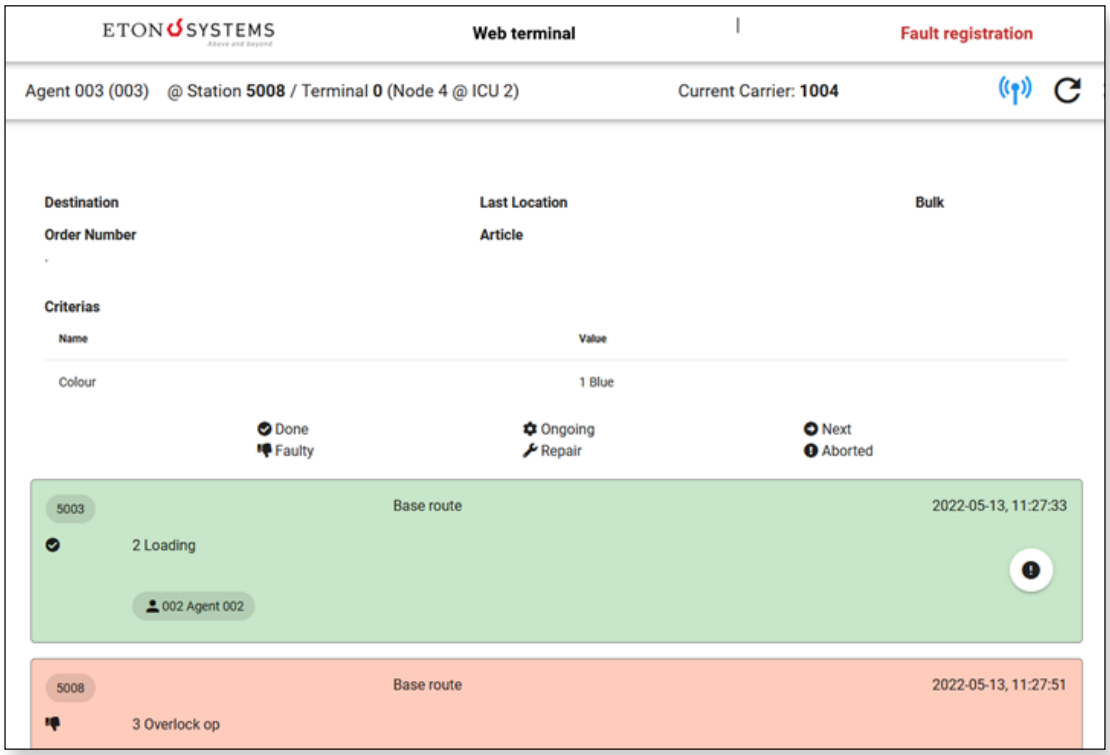
Even though it is very user friendly, easy to understand and quick to use, each module is implemented in conjunction with in-depth user training.

Training and transformation of knowledge in combination with top-of-the-line hardware and software is what makes ETON**ingenious™** the right choice both now and in the future.

ETON**ingenious™** is designed to meet the needs of our customers worldwide. Production data is important, not only for supervisors and plant management on the production floor, but also, for assisting upper management with strategic management decisions. ETON**ingenious™** is equipped with an immensely powerful web based Graphical User Interface (GUI) that has proven to be quite easy to understand and extremely well adapted to a production environment.

Quality Control

ETON**ingenious**™ makes the tiresome task of dealing with quality issues simple. The customer defines their own fault codes to use for Quality Control. Quality inspectors assign those codes to any defects found, which let the system return work automatically to the operator that caused the fault or elsewhere, all according to the fault code configuration. Detailed data is retained by the system for each operator and order. Dealing with mountains of paperwork is outdated with ETON**ingenious**™.



Efficiency/Performance

ETON**ingenious**™ collects data for all employees in real-time and automatically calculates and displays both efficiency and performance. This information is essential for production planning to maximize production output.

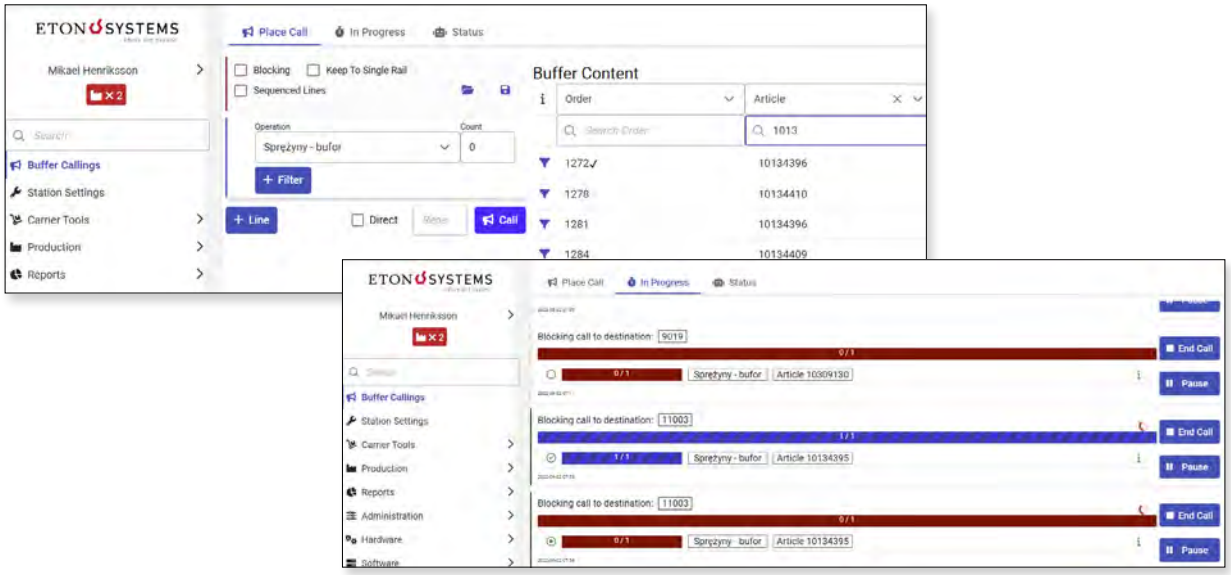
Buffers

The ETON**ingenious™** buffer module enables you to set up and control buffers on the Eton line. Buffers can be an invaluable tool to balance critical areas, store, and sort to sort hangers by criteria prior to unloading etc.

Numerous diverse types of buffers are available.

Retrieval of products from the buffers is achieved via Automatic or Manual calls. Multiple criteria calls can be activated to get the right articles out from the buffer at the right time.

With our experience we can recommend and design one or more buffers to fill your specific requirements.



What is ETON**ingenious™**

ETON**ingenious™** is the new software generation from Eton Systems AB. It is a real-time system used to manage, control and follow-up on your production in the ETON Systems AB.

ETON**ingenious™** continuously gathers, processes, and presents powerful, value-adding production information to operators, supervisors, quality control personnel and management.

Utilizing the latest development environment, it features a web-based user interface, and runs on any browser – laptops, PCs, tablets, even a mobile phone – without any client installation required.

ETON**ingenious™** offers functionality with modern interfaces, including dashboards and easy to access cloud-based help texts and documentation.

ETON**ingenious™** user interface

– Simple to navigate, featuring dropdown menus, easy searches, and intuitive controls.
– More extensive information available than ever before.
– Compose operation messages, to show operators adequate information for current product and operation.
– Can be used on laptops, PCs, tablets, mobile phones – locally or remotely.
– Easily accessible cloud-based help and documentation as required.
– Web browser based – no installation required for clients.
– Introduces the new Eton touchscreen terminal, replacing the 'calculator style' keypad, with additional functionality.

ETON**ingenious™** – System Integration

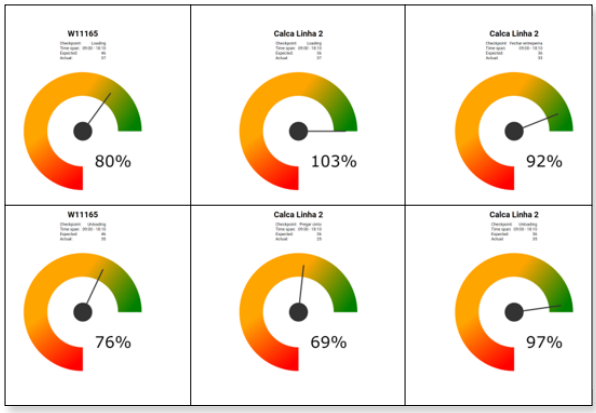
– Data tools to simplify and expedite integration with customer's systems.
– Data transfers both from and to customer's systems in real time.
– Multiple site installations completed, including a major customized SAP implementation.
– Data can be exported to external reporting tools like Power BI, Qlik Sense etc.
– Full history gives the possibility to generate all report requests.

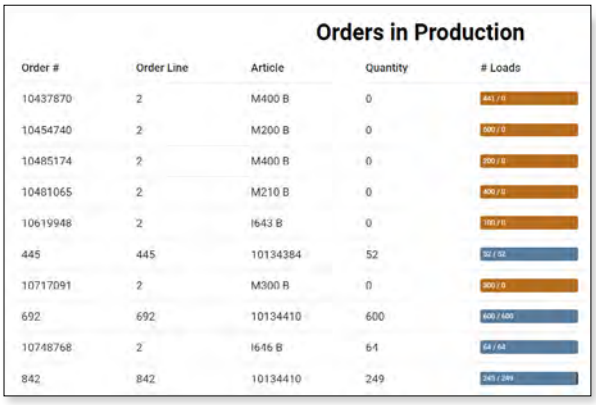
ETON**ingenious™** – Support

– Cloud based documentation with clear explanations and examples.
– Clickable links for ease of access to help.
– Eton System's support helpline is available and able to log in remotely to resolve issues.
– A summary of automatically detected issues and warnings are sent daily to a cloud service and supervised by our support staff.

ETON**ingenious™** – Dashboards and reports

ETON**ingenious™** enables built-in reports, as well as features to create our own reports and dashboards:
– Dashboards for production and maintenance.
– Standard build-in reports.
– Report builder.
– Notifications.





ETON**ingenious™** – Live Data

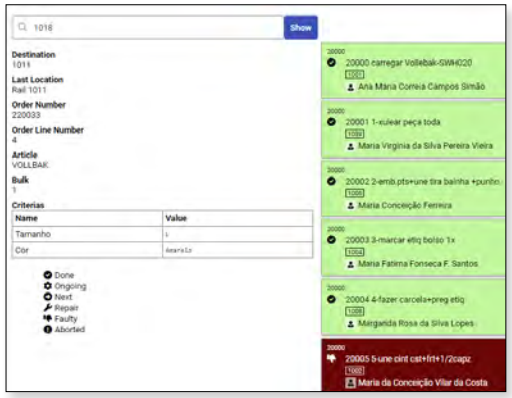
ETON**ingenious™** provides live data in real time.

Good examples:

– Station overview, showing information of your choice.

– Carrier status.

- Presenting information regarding the current product in a specific carrier.
- Order, article, criteria etc.
- Operations made.
- Faults registered.
- Repairs made.
- Next operation.
- Next destination.



ETON**ingenious™** – Security

ETON**ingenious™** provides security and traceability:

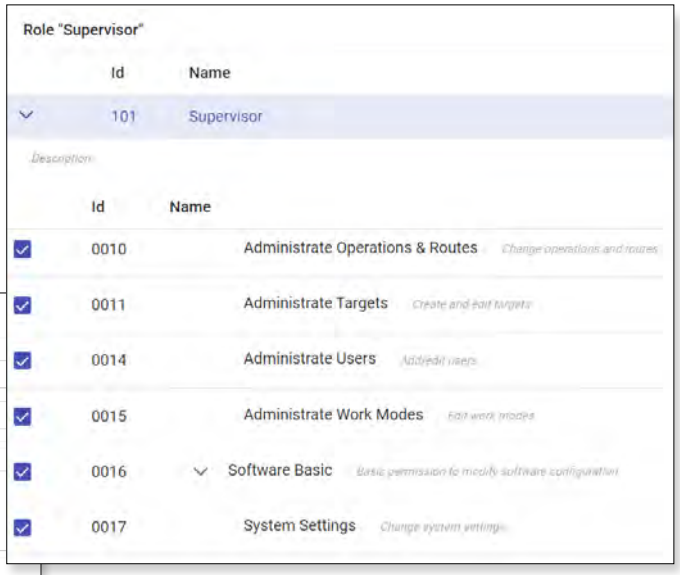
– Individual log-ins.

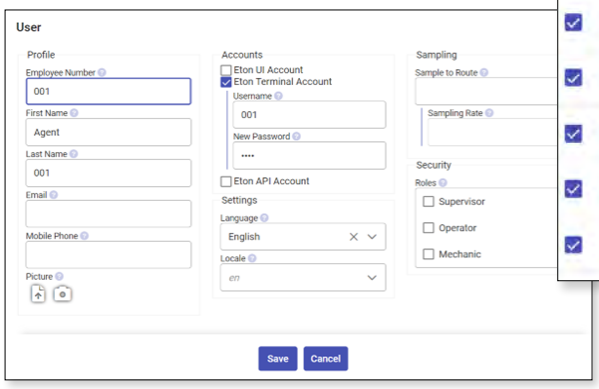
– Individual permissions.

– Change logs – who changed what and when?

– Even changes from terminal can be tracked.

– Backed up with a UPS.





ETON**ingenious™** – Implementation

– Multiple installations in numerous different production environments/industries.

– Multiple completed integrations with customers ERP/MES systems.

– Pre-configuration of the main elements of the system – lines, stations, rails etc. – enable reduced installation time and faster start-up.

– Eton Systems many years of experience with ETON**select™** implementations, continues with ETON**ingenious™**.

ETON**ingenious™** – Customizable

ETON**ingenious™** has been developed to be customizable.

– Unlimited criteria – colour, size, thread, buttons, fit; add as many as needed, attached to the 'order line.'

– Eton Systems recognizes that every customer is different and has different requirements – which is why ETON**ingenious™** is so flexible.

– Whether your business is garment production, car seat, quilt, bed, or office furniture manufacture ETON**ingenious™** is ready and capable.

– Eton Systems' 50 years of experience can provide you with an optimized production solution using the latest technology, fully integrating with your ERP/MES system.

ETON**ingenious™** – Hardware

ETON**ingenious™** Hardware Requirements.

– Dedicated virtual or physical machine placed in house.

– Windows Server 2019 or later English language version

– CPU with equivalent performance of Core-i9 12900K / Intel Xeon 5118

– RAM 32 GB DDR4 RAM

– Main SSD Hard Drive 500 GB minimum

– Remote access (preferably through TeamViewer server).

– The ICU (**ingenious™** Control Unit), situated directly on the physical ETON system must be connected to the same network as the API Server using ethernet cables.

– The customer must provide a dedicated and static IP-address per ICU.

– The customer must provide power supply and backup UPS (uninterruptible power supply) to all ICUs.

– Remote access should be always available, configured for unsupervised access.

Key words

– Live data – see it when it happens!
– Web based.
– Security.
– Integration with ERP systems (SAP).
– Support – built in help texts, documentation.
– Dashboards.
– Reports.
– Full traceability.
– Individual operator or team efficiency and output.
– Registration of non-productive time.
– Production targets.
– Identify bottle necks.
– Throughput time.
– Quality control.
– Prioritizing of express order.
– Addressing using any criteria e.g. article/colour/size.

ETON SYSTEMS
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