



WeldCloud™

THERE'S **STRENGTH**
IN **NUMBERS.**



VIDEO



WELDCLOUD: ACTIONABLE INSIGHT

WeldCloud™ is a robust and scalable weld management platform, *providing insights* to enable customers to better understand and improve drivers of *productivity, quality and working capital*



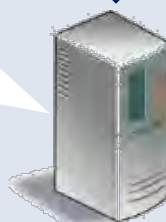
WELDCLOUD: A FLEXIBLE AND SCALABLE PLATFORM



- Production monitoring, Quality Assurance, Service & Maintenance, Supply Chain integration, Process optimization
- Data and reports accessible from any device authorized, anywhere



Secure storage at customer servers



Systems e.g. ERP, MRP

- ESABs expertise leveraged to establish what data to manage
- Storage/push of schedules (recipes) enabled
- Industry 4.0 ready – open interface enabling integration



Manual MIG/TIG



Robot MIG/TIG



SAW

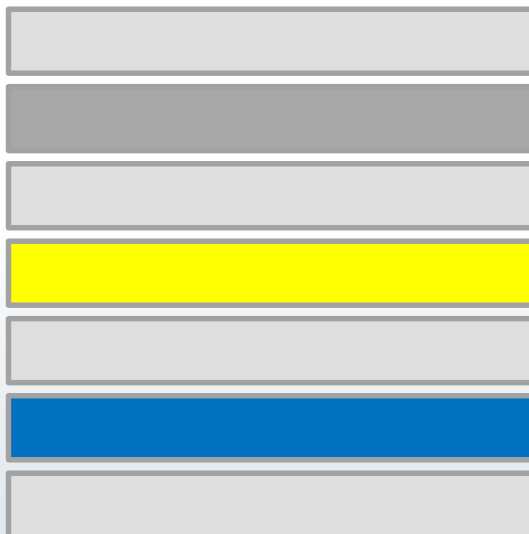
- Connect and manage 1000's of machines globally with one platform – all data in one place
- Scanners and other input devices enabled to get e.g. part numbers
- Rich connectivity – Ethernet, Wi-Fi, Cellular, Bluetooth, GPS

TRACEABILITY: KEY PARAMETERS FOR EVERY WELD SEAM LOGGED

Connected machines



Weld session data base



Data logged and stored per seam

- Start/stop time
- Duration
- Machine ID
- Operator ID*
- Filler metal ID*
- Gas ID*
- Object ID*
- U, I, P (1Hz)
- Schedule (i.e. parameter set)
- WPS
- Errors/Warnings (machine)
- Filler metal consumption
- External sensor input, e.g. temperature, can be added

* Scanner entered data

Data stored as long as the you want, locally. Easy export to e.g. excel or ERP/MDM

WELDCLOUD FACT SHEET

WeldCloud™

Online weld management platform



WeldCloud™ is a secure, robust and scalable welding data management platform providing insights to facilitate continuous improvement in welding operations by efficiently tracking key parameters for each weld seam produced.

- Near-real-time data transfer occurs with wireless or wired transmission, capturing welding and system condition data concurrently from multiple systems
- Data is stored securely in one comprehensive database, located within a user's firewalls
- Uses open-source messaging, MQTT protocol and the latest machine-to-machine (M2M) applications for a reliable, "future proof" platform
- Data can be shared and analyzed across multiple data collection sites from any computer, tablet or smart phone connected to the same internal network as the welding systems and database
- Bi-directional communication (WeldCloud 2.0) to pull in procedures and schedules, verify operator qualifications, consumables usage and confirm machine setup
- Optimal security from all angles: data storage, access, user control and remote diagnostics
- Benefits a range of stakeholders: operations managers, service technicians, welding engineers, quality control staff, training supervisors, and others
- Quick and easy installation: deploy software package to laptop or server, configure network on communications module. The welding system will automatically link to the WeldCloud platform

Industry

- Offshore
- Shipbuilding
- Commercial Vehicles
- Construction Equipment
- Pressure Vessels
- Pipe Mills
- Power Generation, Nuclear
- Construction and Infrastructure



XA00182420

Specifications



WeldCloud 2.1

Two-way communication between welding machines and WeldCloud, providing the process transparency and product traceability necessary to drive continuous productivity and quality improvements. The bi-directional communication will enable the user to pull in procedures and schedules, user lists including operator qualifications and confirm machine setup. More than a data recording system, WeldCloud integrates with other systems, enabling customers to analyze the weld data with the analytics tool of their own choice.

New features

- SAW Multi Wire & ICE™, including real time production monitoring for heat input, metal deposition and wire usage.
- Welding Passport, generation complete traceability documentation with all weld sessions per assembly/project, including documentation.
- Integrated back-end support for Business Intelligence (BI) suites like QlikView®, MS Power BI, Tableau® and more.

Ordering Information

Currently available on the following machines

Manual Welding

Aristo® Mig 4004i Pulse	Retrofit top box* on machine (needs U8 ₂)
Aristo® Mig 5000i	Completely built into power source (needs U8 ₂)
Aristo® Mig U5000i	Completely built into power source (needs U8 ₂)

Robotic Welding

Aristo® Mig 5000iw	Completely built into power source (needs U8 ₂)
Aristo® Mig U5000iw	Completely built into power source (needs U8 ₂)
Origo™ Mig 6502 CW	WeldCloud Mobile* on machine (needs U8 ₂ and W8 ₂)
Origo™ Mig 8502 MultiV	WeldCloud Mobile* on machine (needs U8 ₂ and W8 ₂)

Automation Welding

Aristo® 1000 AC/DC	WeldCloud Mobile* on machine (needs PEK)
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*All WeldCloud modules adhere to the same standards and classifications as the ESAB power source they are connected to. WeldCloud Data and WeldCloud Apps included in all packages.

XA00182420 Rev3 11/2016 ESAB reserves the right to alter specifications without prior notice



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WeldCloud™

DEMO

WITH EVERYTHING
CONNECTED AND
ACCESSIBLE...

...IMAGINE WHAT
WE CAN DO...

...TOGETHER IN A
WORLD CLASS
ECOSYSTEM...

JOIN IN !

THERE'S **STRENGTH IN NUMBERS.**

