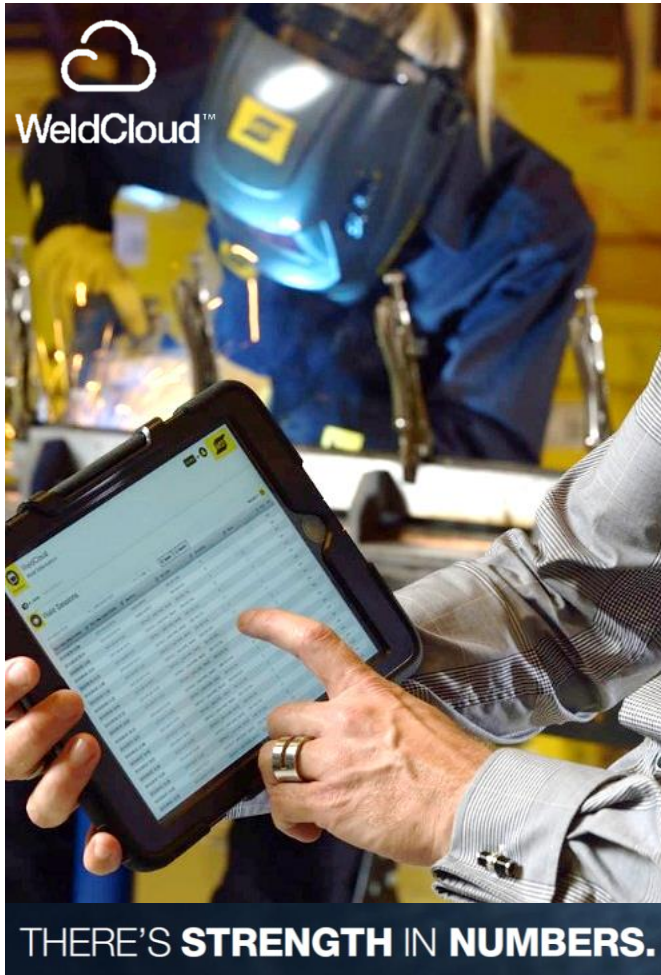


# WeldCloud™

## 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



# WeldCloud

## 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.

## Currently available on the following machines

| Manual and Robotic Welding   |   |
|------------------------------|---|
| Aristo® Mig 4004i Pulse      | Retrofit top box* on machine (needs U8 <sub>2</sub> )                     |
| Aristo® Mig 5000i            | Completely built into power source (needs U8 <sub>2</sub> )               |
| Aristo® Mig U5000i           | Completely built into power source (needs U8 <sub>2</sub> )               |
| Origo™ Mig 4002c/5002c/6502c | WeldCloud Mobile* on machine (needs U8 <sub>2</sub> and W8 <sub>2</sub> ) |
| Automation Welding           |   |
| Aristo® 1000 AC/DC           | WeldCloud Mobile* on machine (needs PEK)                                  |

\*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.



ESAB / [esab.com](http://esab.com)

