



## Petchem Giant Uses WeldCloud Notes To Generate Weld Data Book in Minutes.

- WeldCloud Notes compiles documents required to monitor and trace welds.
- WeldCloud Notes frees thousands of hours for value-added tasks.
- Optimizes through better project management, eliminates mistakes.

### Situation

Braskem, a Brazilian petrochemical company headquartered in São Paulo, is the largest petrochemical company in Latin America and has become the 8th largest player in the international petrochemical market with facilities worldwide. Weld quality and its documentation are essential for compliance purposes and to maintain equipment in optimal condition.

### Complication

Welding is not a main activity of Braskem, but due to the sheer size of the company, and the equipment used for production being welded, they employ a significant team of welding engineers and inspectors to monitor the production and maintenance of equipment constructed by third party companies.

### Solution

WeldCloud Notes performs four essential tasks:

- Maintain quality and compliance while managing PQR (procedure qualification records) and WPS (welding procedure specifications) documents in one place.
- Efficiently review all of its PQR, WPS and WPQ (weld procedure qualifications) information with a quick and easy search feature.
- Easily generate a PQR, WPQ and other reports with all essential variables.
- Prevent missing a qualification expiration date or wasting time and money on requalifying welders.

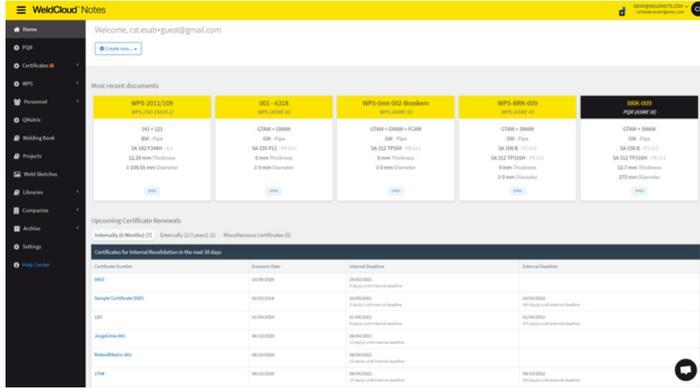
### Results

Instead of taking one or two days to print, sign, scan, save and merge documents in a single PDF, WeldCloud Notes can merge all records for 600 welds into a single "Weld Data Book" digital file in 10 minutes or less. A pilot program with 20 licenses expanded into 32 paid licenses for WeldCloud Notes to manage activities at two plants in Brazil; it will soon expand help to facilities in the U.S., Mexico, Germany and more.

## BENEFIT #1

### Faster Responsiveness

Braskem provides WeldCloud Notes to its welding engineers and subcontractors so that they can accurately record, monitor and control weld data. Braskem welding engineer Arthur Scofano says, “Before WeldCloud Notes, generating a Data Book for the customer would take me 1-2 days to gather all the information, and now it takes 5-10 minutes.”



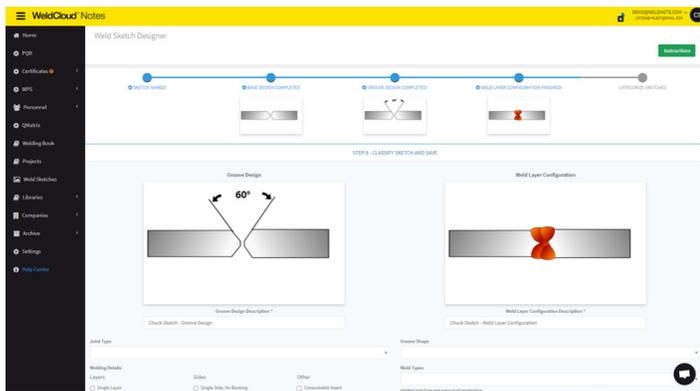
WeldCloud Notes saves Braskem thousands of hours of time, freeing users to focus on value-added tasks.

## BENEFIT #2

### Greater Visibility

Braskem’s Global Welding Leader directed the implementation of WeldCloud Notes to monitor operations of its subcontractors, which was not possible beforehand.

The pilot project for replacement of parts on a pyrolysis furnace during a scheduled maintenance shutdown proved its value. Two subcontractors were initially scheduled to make 107 welds. The reality of working in the field required modifications that led



The WeldCloud Notes sketch design function makes it easy to document new joints when unanticipated design changes occur.

to a total of 297 welds completed and documented. By using WeldCloud Notes, Braskem and its subcontractors\* can:

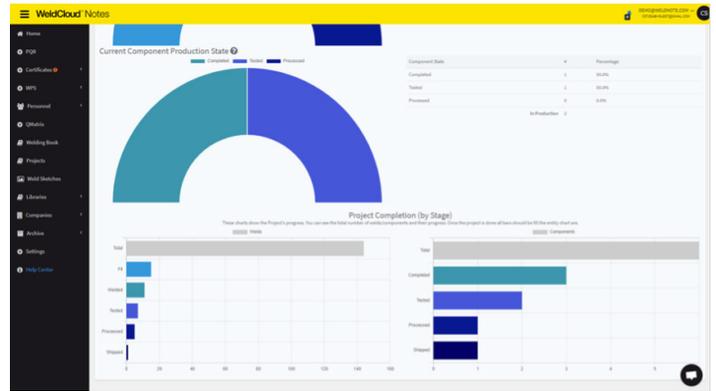
- Identify which joints might require extra effort.
- Develop more accurate repair schedules.
- Calculate costs more accurately.

\* To maintain intellectual property, information from one contractor cannot be seen by another contractor.

## BENEFIT #3

### Better Project Management

WeldCloud Notes provides project managers with dashboards to monitor four states of weld production: fit-up, welded, tested and processed. They can instantly identify the status from any location (e.g., no need for field reports), quickly identify bottlenecks and deploy resources to remove them. It also improves productivity because managers can accurately communicate weld procedure and non-destructive testing (NDT) methods and documents to field teams.



The ability to prepare up-to-date status reports in minutes saves hours of time preparing for meetings.

## BENEFIT #4

### Reduced Liability

WeldCloud Notes identifies every weld seam and all associated data, which makes it fast and easy to demonstrate compliance and speed traceability in the event of a weld failure. WeldCloud Notes also generates a specific document for the Brazilian industry called the IEIS (Instruction for Welding Execution and Inspection) that combines the WPS with NDT and other data.

For more information on WeldCloud or our other ESAB Digital Solutions, visit [esab.com/digital](http://esab.com/digital).



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