

In Their Own Words:

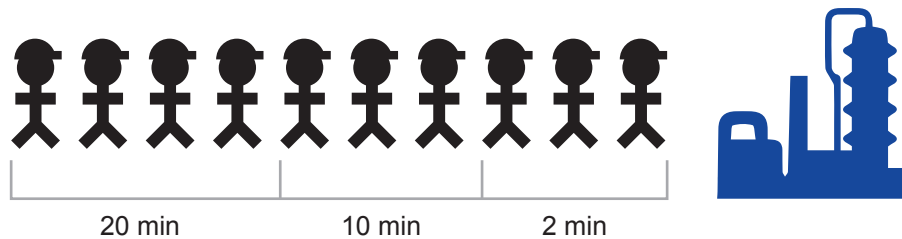
A Refinery's Turnaround Best Practice Using AllClear

For a couple of years, we've been using a system that is enabling us to improve accountability and training compliance while saving us a significant amount of money, including our major project last year. To give other sites a way to relate it to their own needs, we're sharing the example of a single unit turnaround we just finished.

We were concerned with accountability and the cost of signing in and out with two shifts of 200 workers. We found that on average, it took more than ten minutes for workers at the site to sign in and out each shift using pen and paper, but that wasn't the whole story.

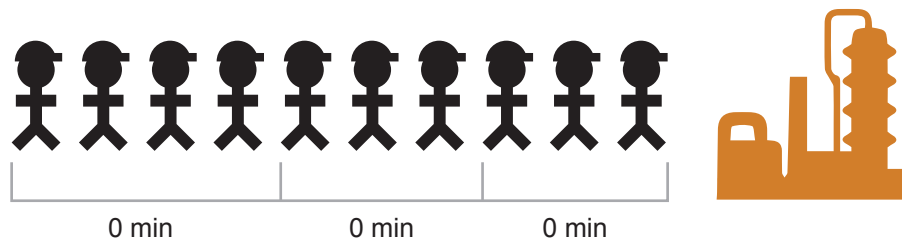
The workers at the front of the line took only a minute or two to get through sign-in and sign-out. However, workers all the way at the back took upwards of **20 minutes each**.

Without AllClear



The folks at the back of the line were being paid to wait. We found out that, AllClear, the system we use for sign in, sign out and certification in the Alky Unit has a version for turnarounds. We can drop it into place for each project and then send it back after. We've been able to reduce the sign in/sign out time as if every employee was at the front of the line, and the site saved ten minutes of each worker's time, each shift, each day. In addition, we are able to maintain a detailed account of who's working the project.

With AllClear



For one unit, down for 2 weeks, the impact was the following:

\$80
per hour

400
workers in
2 shifts

14
days

10
minutes saved
per day, per
worker

\$75,000
in savings

1,000%
ROI

With an expense of **\$8,000** we were able to generate a return of nearly **\$75,000** while improving our ability to manage accountability for the project. That works out to almost **1,000% ROI** on a single unit, **2 week turnaround**. We have made this a best practice for the site going forward.