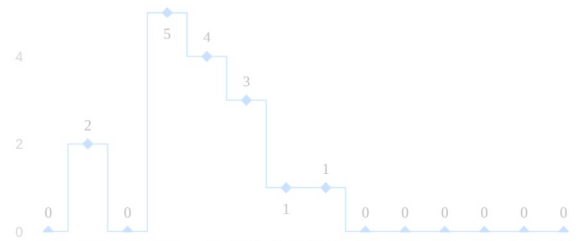
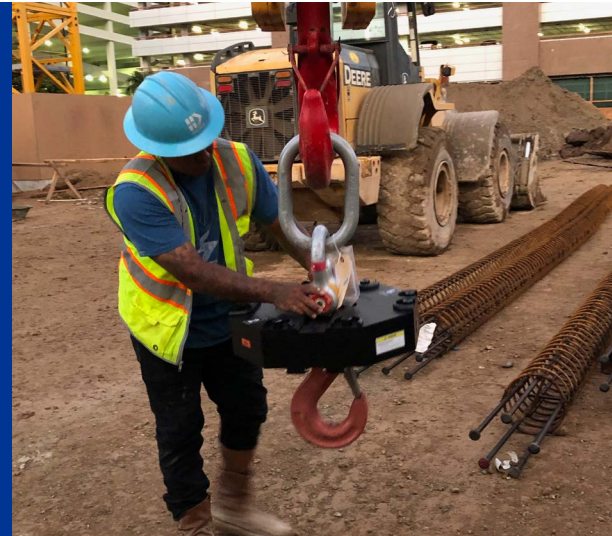


VERSATILE® AND HAWAIIAN DREDGING CONSTRUCTION COMPANY

Partners in efficiency



Operating continuously since 1902, today Hawaiian Dredging Construction Company, Inc. (Hawaiian Dredging) is Hawaii's largest and most diversified construction company. With more than 900 employees and five divisions (Building, Commercial, Heavy, Waterfront & Foundation, and Power & Industrial) the company has built many of Hawaii's iconic structures as well as many of its transportation and utility infrastructural projects.



THE CHALLENGES



In spite of its long history of success, Hawaiian Dredging is always looking for ways to operate more safely and efficiently.

- » With complex jobs involving multiple subcontractors, it was sometimes difficult to have an accurate picture of what was happening on a job and which subcontractors needed to receive feedback or instructions.
- » With their own data showing that jobsite **crane operations cost \$186 per minute**, Hawaiian Dredging knows that any crane efficiencies that can be gained can have a substantial impact on the bottom line.
- » For the well-being of its people, and to avoid costly fines and suspensions, ensuring the safety of the team is always a top priority.

In an effort to further optimize its operations, Hawaiian Dredging turned to Versatile and its CraneView® hardware and software platform. The CraneView device mounts under the crane hook and measures thousands of data points to deliver real-time, data-driven insights.

Managing more efficiently

For Lewie Candler, Superintendent for Hawaiian Dredging, CraneView creates significant efficiencies. Prior to installing CraneView, if there were questions about sequencing or another issue, he would have to physically go to the crane platform to observe jobsite activity. Now, a quick glance at the CraneView data feed on his tablet gives him the answers he needs, so he can focus on other tasks.

Recouping Lost Time

At the outset of the Central Ala Moana project, the Hawaiian Dredging was delayed by 90 days due to issues obtaining permits. But thanks to hard work of the team and the efficiencies gained by utilizing CraneView, their team was able to make up the entire 90 days and get the project back on schedule.

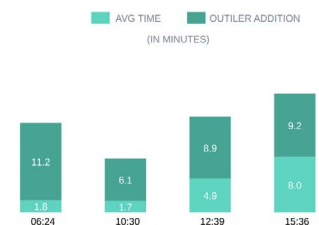
Verifying safety protocols

In another example during the Central Ala Moana project, a safety officer on the jobsite indicated that a worker was in violation because he was not wearing his harness. The Hawaiian Dredging team was able to review images captured by CraneView to prove that the worker had, in fact, been wearing his harness. Lacking the visual evidence provided by CraneView, that key team member would have faced a two-week suspension.

Daily Installation Summary by Load

LOAD	INSTALLS		INSTALLS PREV. DAY	DURATION
Tunnel Form	16	↑	11	02:13:13
Safety Platform	4	↓	9	00:25:33
Concrete Mix	3	↓	5	00:48:39
Rebar Cage	3	↑	1	00:30:21
Bent Curtain / Mat	1	↑	1	00:16:32
Shaft Scaffolding	1	↓	2	00:05:32

Outliers Potential Save Daily Summary



OUTLIERS

00:51:37

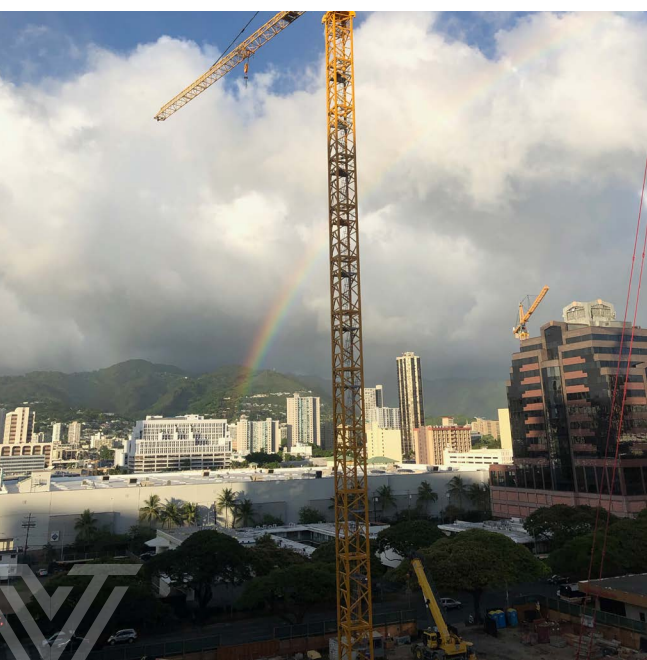
OUTLIERS TIME SPENT ON

- 1 Air Compressor
- 1 Concrete Finisher
- 1 Lift Beam
- 1 Loading Chain
- 1 Safety Platform
- Floor Organization Unloading
- Accessory Change
- Accessory Change
- Jumping



POTENTIAL TIME SAVE

00:35:18



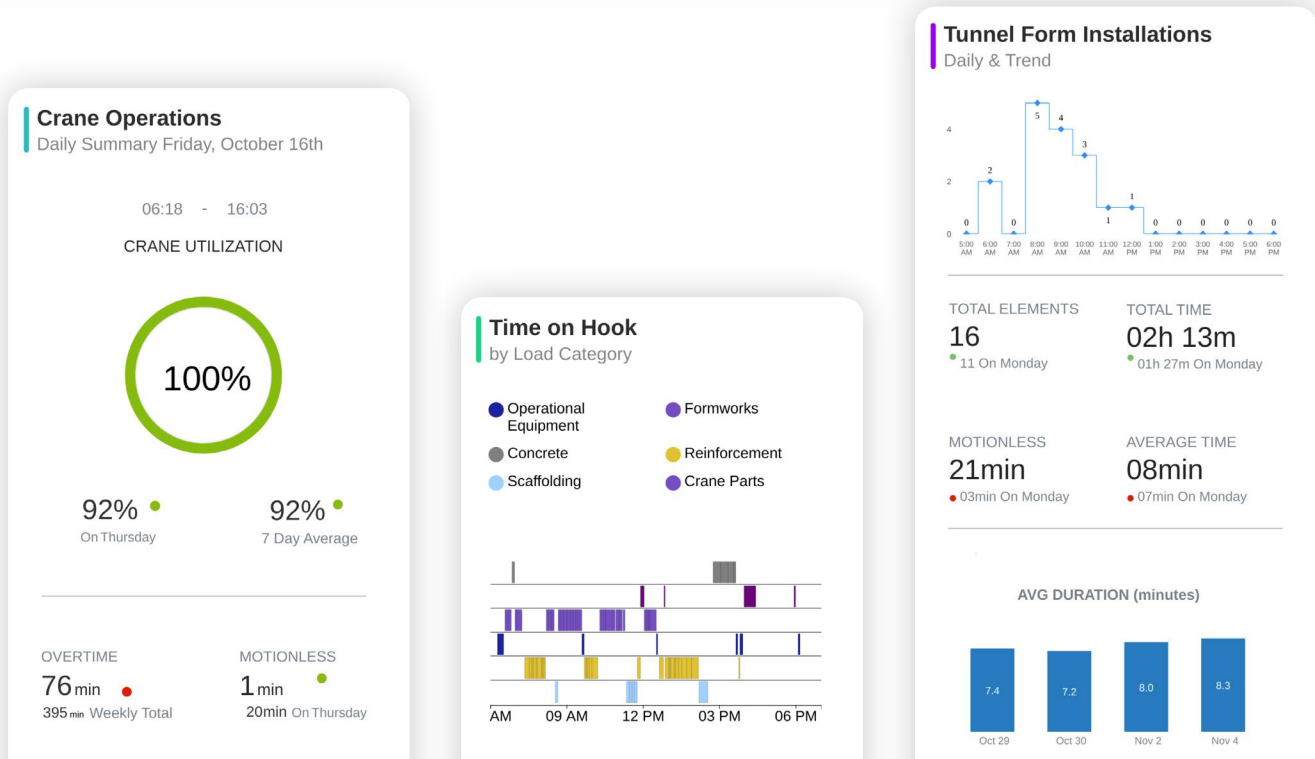
“

When you're dealing with multiple subcontractors it can be difficult to get to the root of a problem. CraneView not only helps us understand where the problem is, but also who's responsible so we can get to a resolution much more quickly.”

LEWIE CANDLER | SUPERINTENDENT
HAWAIIAN DREDGING

Gathering insights remotely

Chris Baze, BIM Manager for Hawaiian Dredging, appreciates that he can understand what's happening on a jobsite without having to be there physically. The data insights delivered by CraneView help Baze not only optimize the project the data is generated from, but also provide learnings that can be applied to future projects.



Looking to the future

To date, Hawaiian Dredging has deployed CraneView on three projects and seen tangible results in time savings and cost efficiency. In fact, they've already committed to using CraneView on every upcoming project with a crane over the next two years.

"Now that our team has seen what CraneView can do," said Baze, "they're going to expect to have it on every new jobsite."

Want to learn more? Let's Talk.

Contact us at letstalk@versatile.ai today.