



HDCC's Journey Towards Optimizing Jobsite Efficiency

Phase 1: Hoist Calling Optimization

About HDCC and Their Efficiency Goals

Founded in 1902, Hawaiian Dredging Construction Company, Inc. (HDCC) stands as Hawaii's oldest and largest full-service general contractor. With a rich history of delivering major infrastructure projects, including dredging the entrance to Pearl Harbor and constructing the Ala Wai Canal, HDCC has erected numerous iconic structures across Hawaii. These include luxury hotels, medical centers, and residential condominiums. HDCC's commitment to operational efficiency and innovation led them to partner with Genda, a leading provider of construction technology solutions. The primary goal of this partnership was to streamline jobsite processes and enhance productivity.

The Vetting Process and Initial Pilot

HDCC conducted a thorough vetting process, piloting multiple solutions to enhance their operations. Genda emerged as the top contender due to its innovative hoist-calling solution. The initial pilot aimed to evaluate the ease of adoption by site personnel. Over a two-month period, **96% of site personnel seamlessly adopted Genda's solution**, showcasing its effectiveness and user-friendliness.

Chris Baze, a director at HDCC, highlighted the pilot's success: "We sought a solution that could be quickly adopted and bring immediate efficiency gains. Genda solutions showed organic growth and delivered on both fronts, exceeding our expectations."



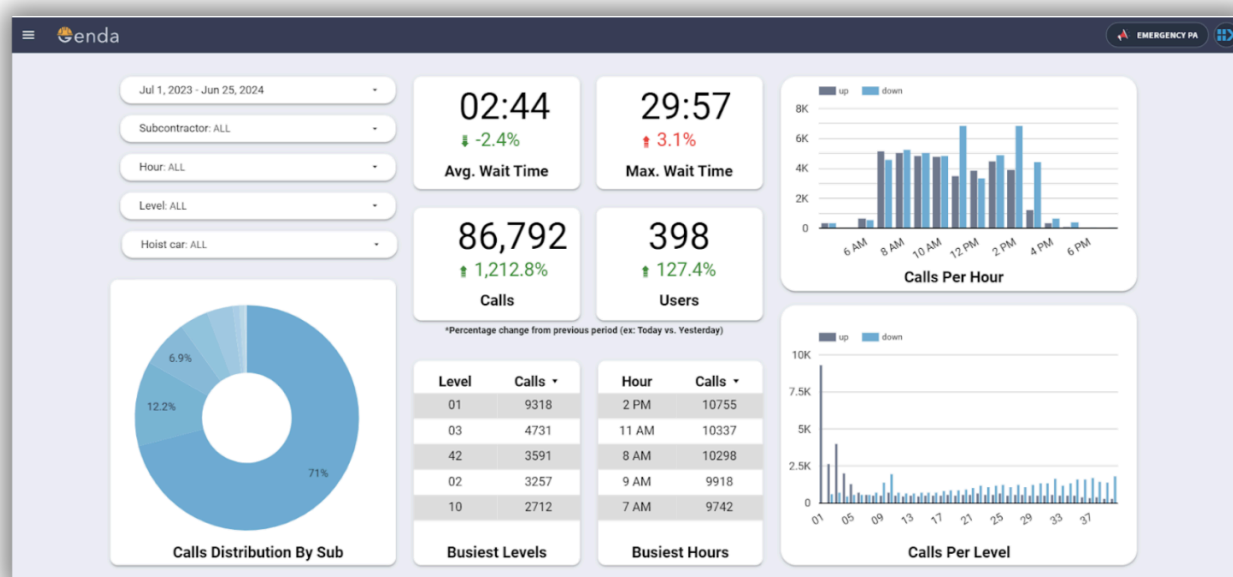
Expansion and Results



Over a 13-month period on the Ililani project, the team gained an additional 23.75 production hours per day using Genda's hoist-calling solution, resulting in 6,781 extra production hours throughout the project duration. Workers responded positively, appreciating the solution's efficiency and time-saving benefits.

These impressive results are broken down as follows: The total number of trips was 86,792, completed by 392 workers over 13 months. This averages to about 300 trips each day. The average wait time per trip was reduced to 2:44 minutes, compared to the industry standard wait time of 7:30 minutes per trip. This represents a savings of 4:46 minutes per trip. Summing up all the time saved across all trips (4:46 minutes/trip * 86,792 trips), **the total time saved on waiting amounts to 6,781 hours.**

Based on a \$40/hour cost of worker time, this equates to extra production worth \$274,841 (\$40/hour * 6,781 hours saved).



"Using Genda's hoist-calling solution made a huge difference. It really streamlined our workflow and helped us finish projects faster than ever before." - Ililani's Project Director

Encouraged by the success of the initial pilot, the company expanded the implementation of Genda's solution across their entire project and two additional projects, and later signed an enterprise agreement to utilize Genda's hoist-calling solution across all their vertical projects.

How Genda's Hoist Calling Solution Works

Genda's hoist-calling solution employs advanced AI algorithms and a destination dispatch system to optimize hoist operations. This technology significantly reduces wait times, a common bottleneck on construction sites, thereby improving overall jobsite efficiency. The intelligent dispatch system ensures hoists are used to their maximum potential, minimizing idle times and boosting productivity.

About Genda

Genda is a leader in construction technology, offering innovative solutions to streamline operations and enhance productivity on jobsites. Their portfolio includes various tools designed to save significant time and construction project costs. Genda's hoist-calling solution exemplifies their commitment to driving efficiency and delivering tangible benefits to the construction industry.

By leveraging Genda's advanced technology, HDCC has set a new benchmark in jobsite efficiency, demonstrating how strategic partnerships and innovative solutions can transform construction operations. This case study underscores the importance of adopting cutting-edge technology to stay competitive and achieve operational excellence in the construction sector. For further reading and detailed company information, you can visit the [HDCC](#) and [Genda Tech](#) websites.