

# Case Study: Ports: Solo



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## Client Situation

To improve protection and safety monitoring of its workers, a major offshore and marine construction company implemented Damstra Solo. Their objective was to avoid accidents where high-risk tasks are required and to keep operations sailing smoothly during the pandemic. By using Solo, this would improve productivity through communications and insights gained through data analytics, create faster response times, reduce the number of serious injuries, and prevent COVID-19-related shutdowns.

## Challenges

Prior to implementing Solo, the company was facing the following safety and worker protection challenges:

- **COVID-19 Protocol**  
Move from no monitoring measures in place for official safety management measures during the pandemic, to complying with the new regulations to supervise employees working in designated areas and maintaining safe distances.
- **Contact Tracing**  
Identify those workers who were in close contact with identified positive COVID cases to isolate, test, and treat these individuals and isolate affected areas.
- **Worker Visibility**  
Move from having no visibility on a worker's health to constantly monitoring each worker's heart rate, detecting falls when they happen, and receiving SOS calls for help to the command center through wearable technology.
- **Shorten Emergency Response Time**  
Shorten the response time and enhance communication with base staff to improve safety and protection.
- **Enhance Communication**  
Move from poor and delayed communications to being able to communicate directly to any worker from the command center to send safety information via wearables.
- **Automatic Notifications**  
Send automatic notifications to workers entering high-risk areas.



## Damstra Solution



Solo is designed to ensure that workers are always protected and are monitored, even if working alone. Using geofencing and easy site check-ins, Solo facilitates contact tracing, site security, and response team alerts. This remarkable solution protects workers in real time against collisions, falls, and dangerous situations as well as identifies, locates, and communicates with people no matter where they are.

### This major offshore and marine construction company can now:

- Constantly monitor workers' health
- Respond rapidly in case of emergency
- Remain operational during a COVID outbreak and comply with the new regulations to supervise employees working in designated areas
- Detect falls immediately and receive SOS calls for help to the command center
- Communicate safety information directly to workers on their watches when entering high-risk areas to inform them of dangers specific to that area
- Safely monitor the distance between workers using alerts when approaching areas that are at capacity for safe distancing
- Contact trace employees using geofencing and beacon technology

## Outcomes

Since implementing Damstra's EPP, the global mining company has made significant cost and time savings and has increased its level of worker protection.



### PREPARED PEOPLE

Leveraging Solo and wearable watches that keep workers in constant contact with headquarters, workers are better prepared for dealing with occupational risks that include falling from heights, being in confined spaces, heat, fatigue, and injury from heavy machinery. The addition of this technology has **dramatically helped reduce risks, injuries, and fatalities** in a high-risk environment.



### SAFE PLACES

#### Lone Worker

Site safety has increased with the monitoring of workers' health and wellbeing, enhanced communication, and high-risk area entrance alerts. In addition, the risk of site closures due to COVID-19 has dramatically reduced because of the company's ability to be compliant with the new regulations.

Solo's contact tracing identified close contacts who were isolated, tested, and treated, and affected locations were disinfected with a new shift active within 48 hours. Only around 20% of the active workforce was down for 2 days **preventing a minimum 2-week full shutdown and avoiding reputational and massive financial loss.**

### ABOUT DAMSTRA SOLO

Solo allows you to get accurate and auditable details of employee movements through geofencing and beacon technology and ensures that they receive important location-based proximity notifications. It can manage all communications and monitor the health of all workers, as well as record all close associations and routes. Solo enables you to connect and protect your workers, even in the most remote areas where standard coverage is not available.



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