



D A M S T R A
Protect Your World

**A major offshore and marine
construction company chooses
Damstra Solo to protect its people**

www.damstratechnology.com





Overview

A major offshore and marine construction company with over 3000 workers active in a shipyard each day, needs to provide the protection, monitoring, and safety to workers, to avoid accidents where high-risk tasks are required, and to keep operations going during the pandemic.

Solution

Damstra Solo Connected Worker was implemented with Samsung Galaxy watches for prepared people, safe places, and connected assets.



Challenge

To have increased protection onsite and gain productivity, with a simple solution, accessible to workers with limited tech and second languages, to help eliminate risks and fatalities in a high-risk environment. Risks include falling from heights, confined spaces, heat, fatigue, and heavy machinery. Also, put in place a Covid circuit breaker and contact tracing solution to ensure continued operations.



Business benefits

Since implementing Damstra Solo and wearables, the company now has the ability to constantly monitor workers health, and respond rapidly in case of emergency, and also has the ability to remain operational during a covid outbreak. Protection has increased for both prepared people and safe places.





The challenges



Move from having no visibility on workers' health, to constant monitoring of each worker's heart rate, detecting falls when they happen, receiving SOS calls for help to the command centre, through wearable technology



From poor and delayed communication to being able to communicate directly to any worker from the command centre to send safety information on wearables



Shorten the response time in emergencies and enhance communication with base staff to improve safety and protection through wearables



The challenges



From minimal information for workers entering high-risk areas, to automatic notifications to them when entering those high-risk areas.



Moving from no monitoring measures in place for official safety management measures and regulations during the pandemic, to complying with the new regulations to supervise employees working in designated areas and maintaining safe distances



From no system in place for contact tracing, to the contact tracing of close contacts of identified cases, to isolate, test, and treat the individuals, and isolate affected areas



Solution implemented by Damstra



Prepared
People



Safe
workplaces

Damstra Solo was implemented, with beacons and geofencing, and with Samsung Galaxy watches to over 3000 workers initially, with incident management, advanced fall detection, and Solo insights. The watches are simple to use for everyone including foreign workers with a different first language.

Damstra Solo

- Workers equipped with the watches have their heart rate monitored constantly when onsite with Solo, with the detection of any abnormalities, and help sent before accidents happen. Workers can also make SOS calls from the watch to receive immediate help.
- If there is a suspected fall, alerts are raised from the watches, and the worker is contacted on the watch, and emergency help is sent if there is no reply or if the worker indicates on the watch that assistance is needed.
- The command centre is able to communicate safety information directly to workers on the watch at any time, to improve safety awareness.
- Through geo-fencing and Solo, information is automatically sent to workers on their watches when entering high-risk areas to inform them of dangers and specifics to that area.
- Geo-fencing and Solo allows safety distance monitoring with alerts when approaching areas that are at capacity for safe distancing
- Contract tracing is in place with geofencing and beacon technology. Areas impacted can be isolated and cleaned, and people informed and isolated.



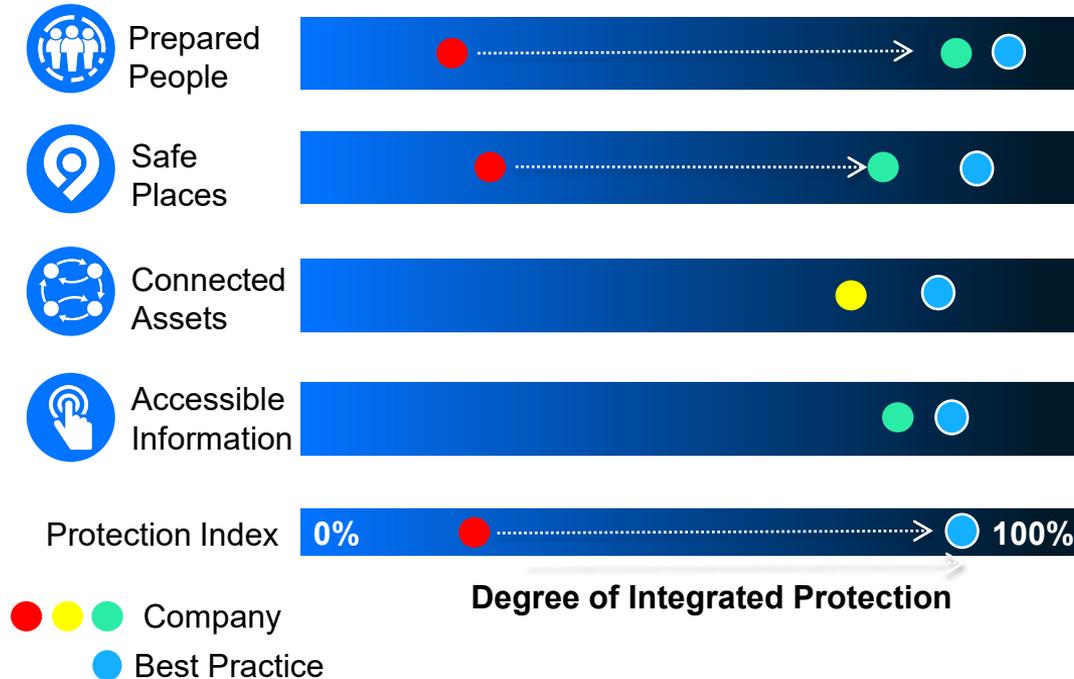


Outcomes and business benefits of the EPP implementation



The degree of protection of both Prepared People and Safe Places has increased dramatically since using Damstra Solo on the Enterprise Protection Platform

Damstra Protection Index (DPI)





Business benefits

The offshore and marine company now has 7500 workers licensed with Solo and/or equipped with the Samsung Galaxy Watch, and has decreased the risk of accidents, and enhanced communication with a much higher level of protection. The company has been able to operate during covid with a proven safe return to work protocol.



Solo enabled a safe return to work protocol including safe distancing and contact tracing, which triggered government approval to bring the workforce back weeks earlier than other similar large companies



Solos 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 losses.



Monitoring of workers health and wellbeing on the watches, with enhanced communication has resulted in faster response times and a reduction in the number of serious injuries.



Productivity has improved through communications, and insights gained through data analytics



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