Proximity Detection and Staff

Safety GPCL - Gladstone

**Protrac ID Australia P/L**

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GPCL are a Company Government Owned Corporation (GOC), responsible for the import of raw material and the export of finished product associated with major industries in the central Queensland region.

In today’s world, reliable emergency evacuation and safety is critically important. Protrac ID’s ***Proximity Detection*** solution delivers accurate, real-time reporting of employees and their interaction with mobile plant without requiring manual checklists.

Protrac iD has worked closely with systems integrator iVolve to implement a solution for Gladstone Ports Corporation.

# What were the risks?

* Security guards had to manually check who was on and off the port location
* Physical presentation of ID cards was time consuming during peak periods of personnel movement
* Interaction between operators and mobile plant was a manual process and could not record all personnel movements accurately and efficiently
* Mobile plant operators were at risk of collisions with pedestrians and light vehicles

# What were the solutions?

GPCL recognised that it needed to make changes to its safety management plan for the Gladstone site. The changes included:

* Implementation of a Protrac ID Proximity Detection solution incorporating vehicle mounted RFID readers, RFID Personnel tags and system integration with existing security systems
* Remote access and reporting functionality including central database



# What were the benefits?

* Automatic hands-free identification of personnel as they enter / depart site eliminating any human interference
* Automatic operator information and vehicle analytics
* Remote access to central database for reporting functionality
* Enhance efficiency and safety by understanding facility usage during peak times
* Achieve greater visibility of, and better manage access for employees, visitors and contractors

# Proximity Detection System utilizes Protrac ID

* 2R4000 TCP/IP Receivers
* 1RN350 Patch Antennas
* 2T9000 Personnel Cards incorporating access control and operator Identification credentials
* Site Survey

**This case study is only one example of the solutions manufactured by Protrac ID to deliver cost effective**

**communication solutions to customer’s problems. If you require help in this complex field, make sure Protrac ID is the first company you contact.**