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Puerto Lirquén implements sensors in helmets of its workers

March 12, 2018

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Puerto Lirquén (PLQ) implemented a system with cutting-edge technology to prevent accidents in the human-machine interaction called Bodyguard Box, equipment that meant an investment of more than 150 thousand dollars. The system consists of the installation of radiofrequency antennas in the high tonnage cranes (Reach Stacker and Top Lifter), which receive the movement signals that emit four sensors or tags attached to the helmets of each port worker. In this way, the driver is alerted to the presence of a person in the yard or warehouse when it is seven meters away forwards and backwards, and four and a half meters on each side of the machine. Distances that allow the operator to react in time and stop safely.

"It is a system aimed at protecting workers who, due to the nature of their work, must circulate in the port's yards and warehouses, since the size of these equipment makes it difficult for operators to be fully visible," said Juan Alberto Arancibia, general manager of PLQ. Id Tech Internacional was in charge of implementing Bodyguard Box, which involved the installation and calibration of the equipment, the training of all personnel involved in its use and the delivery of helmet sensors with their respective explanation to each worker. Added to this is the installation of security lights on the front and back of all the PLQ work machines.

Named "Blue Spot", these spotlights project a beam of ultraviolet light on the ground that alerts those who transit in the place approaching a vehicle. The arrival of these technologies is accompanied by the campaign "My life, my helmet. I am activated", which through text messages, email and the reinforcement in situ of risk preventionists reveals how the system works and the importance of using this element of personal protection (PPE)...