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2017 Safety Innovation Award Winner: Piranha Lox True Interlock Harness



Determined to be a leader in the prevention of occupational falls – which cause 10% of all occupational fatalities in the United States – the Boeing Company developed the Piranha Lox True Interlock Harness, a fall protection system that disables a work platform if a worker is not properly hooked into his or her Personal Protective Equipment (PPE).

In more than 75% of fall-related fatalities, PPE was available but was either not being used or being used incorrectly. Until the Piranha Lox True Interlock Harness fall protection system was invented, no other solution ensured that all PPE connections were secure and safe before a worker could move a work platform upwards.

Advice to Others: "It is important for all team members to have a complete understanding the teams' goals or objectives regarding safety. In addition, all team members should have a detailed understanding of the system, processes and environment where the equipment will be used. This allows individual team members to develop accurate big-picture views that encompass all of the goals and requirements. The genius is in keeping the solution as simple as possible while resolving all known safety concerns and anticipating future needs."



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