















Enhanced Worker Safety in Process Industry Environments: Hybrid Location Technology is the Complete Solution!

Enhanced Worker Safety in Process Industry Envir...
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Technology	Typical Accuracy	Typical Range	What's it Suitable For?	Battery Lifetime	Things to Consider	
GPS	<5m				Minimal infrastructure, good accuracy.	Battery consumption is high. Indoor location not reliable.
Wi-Fi	5 to 25m	<150m			Use existing Wi-Fi infrastructure.	Dense infrastructure may be required for 5m accuracy.
802.15.4 RSSI	5 to 25m	75m			Battery life.	Dense infrastructure required.
UWB	<1m	<150m			Great accuracy and battery life.	Dense infrastructure required.
BLE - RSSI BLE - AOA	10m <1m	<75m			Battery life, beacons battery powered.	Maintaining beacons.
Passive RFID	<3m	<3m			Low cost, no battery.	Choke point location only, read reliability not suitable for personnel safety.

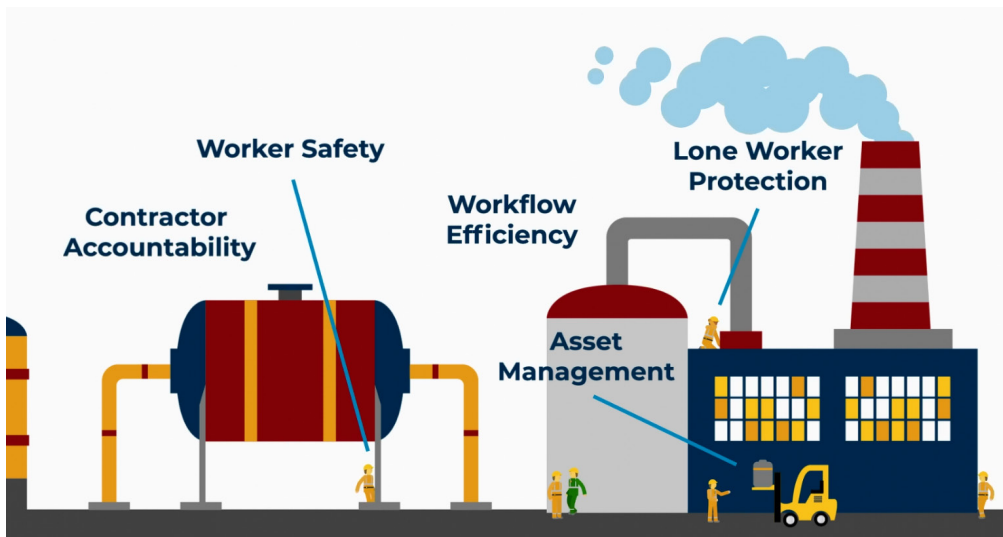
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VIRTUAL EVENTS



In this presentation, CEO of Extronics, John Hartley discusses how worker safety is shifting to hybrid location technology as process industries look to deploy digital IoT solutions.

The safety of workers, whilst always important, is moving higher up the list of priorities for investment. Workers in process industry environments face a variety of risks over and above their counterparts in other industries. ‘Hazards of the job’ are that much more serious, with a higher potential risk. Falling objects, exposure to dangerous substances, fire, and explosion of flammable gas and dust are potential threats and whilst large-scale disasters are thankfully rare, they still occur.



It is unlikely that any one location technology ticks all of your boxes, and there is no silver bullet. Hybrid location technology is the only practical solution to the complexities of the use cases in the process industries. It involves using two or more location technologies as part of the same solution:

- To deliver wider coverage with reduced infrastructure
- To add greater accuracy
- To increase worker safety and productivity
- To reduce the total cost of ownership



For more information or to see how Extronics can help you with your hazardous area location tracking, please contact a member of our team on:

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