

AIGC Solutions – Connected Workers (Mobility)

Case Study: Smart Work Permit changed the culture and yields positive results

The Opportunity



One of AIGC experts was part of a team who deployed Smart Work Permit to Oil Processing Facility at Oil and Gas company. The company operators and maintenance workers used to fill paper based work permits with safety measures verification verbally with some checklist on some of them. The company used to suffer from high number of incidents due to violations of the preset work permit procedures.

The Approach

A Smart Work Permit (SWP) integrated solution was deployed across the oil processing facility covering 600+ workers. The SWP relies more on interlocks and check points to ensure that the right steps takes place in the right sequence and at the right place.

Once the Operator who is normally the work permit initiator kick start a SWP, the 1st interlock will be enabled to ensure that he is issuing the permit at the job site and not at his office. The operator has to scan the associated equipment Bar-code via RFID scanner in the field mobility device to ensure that he is at the job site.

Other interlocks that will be activated to ensure safe permit includes conducting Joint Site Inspection by the issuer and receiver at the work location to understand the work and identify any field hazards, conducting Gas Testing as well as validating issuer and receiver permit certificates.

The Benefits

The SWP resulted in significant reduction to the work permit violations and hence eliminated most of the incidents. It also resulted in considerable saving on the time it normally takes to prepare facilities for maintenance jobs.