

PROVEN

IntelliPERMIT™ is proven by over 12,000 users in over 35 installations in several countries and on many projects.

CONTINUITY

IntelliPERMIT™ ensures that safety information from the design phase is conveyed accurately through construction and commissioning to routine operations.

FLEXIBLE

IntelliPERMIT™ is flexible enough to cater for all type of permits including “blanket permits” typically found in construction sites.

CONTRACTORS

IntelliPERMIT™ can aid in managing contractor activity during construction and maintenance

HAZOP AND SIL

The results of the HAZOP and SIL assessments can be built into IntelliPERMIT™ improving risk identification throughout the life of the plant

CONNECTED

Integrate IntelliPERMIT™ with existing SHEQ systems, or plug in any of ApplyIT's OpSUITE™ modules to quickly integrate safety processes across the business.

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IntelliPERMIT™ Application Note

EPC PROJECTS

The Problem

Capital intensive projects go through engineering, procurement and construction (EPC) phases, before commissioning and routine operations. During the engineering phase, safety is designed into the plant through several processes such as HAZOP (hazard and operability) and SIL (safety integrity level) processes. It is very important to ensure that safety information is transferred from design through construction into the commissioning and normal operations stages, yet few companies have done this effectively. Further it is very important to ensure that during construction and commissioning the safety of onsite personnel is properly managed.

The Solution

IntelliPERMIT™ is designed to improve operational safety by managing the permit to work process. IntelliPERMIT™ can be pre-configured to ensure that hazards are identified according to areas and specific processes, and that appropriate precautions are taken whenever hazardous work is performed. In addition IntelliPERMIT™ can ensure that only competent and authorised personnel are able to perform hazardous work.

Safety related information from the engineering phase (for example the output of a HAZOP study) can be captured in IntelliPERMIT™ ahead of plant operations, ensuring that the risks identified in the design stages are always considered throughout the life of the plant.

During the construction phase, IntelliPERMIT™ can effectively manage the authorisation of work on site. Typically in this scenario, the system is configured for construction related hazards; taking into account areas with different activity (for example civil work, electrical work, fabrication and so on). Hazardous activities such as vessel entry, working from heights and the requirement for isolations apply both during construction as well as normal operation. Because the principles of safe operation remain constant irrespective of whether the plant is under construction, commissioning or operations, IntelliPERMIT™ is suitable for all phases. Specialised construction related permits can of course be created for excavation and other activities that do not normally occur once the plant is commissioned.



Integrated to OpSUITE™

IntelliPERMIT™ is of course integrated with the other modules of ApplyIT's operations suite. During the design, construction and commissioning stages a comprehensive approach to safety, health and environment can be adopted by utilising IntelliPERMIT™ in combination with SmartSURE™ for handling incidents and non-conformances, FlexiLOG™ for information management and OptiRUN™ for maintenance management. Each of these solutions can be implemented ahead of actual handover from commissioning to operations, with the benefit that the design and engineering information is carried through the entire plant lifecycle.

Benefits

The benefits of introducing IntelliPERMIT™ in the design, construction and commissioning phases include:

- Ensuring safety related engineering information is retained and used through the plant lifecycle
- Smooth transition from construction and commissioning into routing operation by simply extending the system already in use
- Information relating to contractors, employees and operations staff, including competencies is in place on start-up making it simple to move from a construction into maintenance phase.

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