

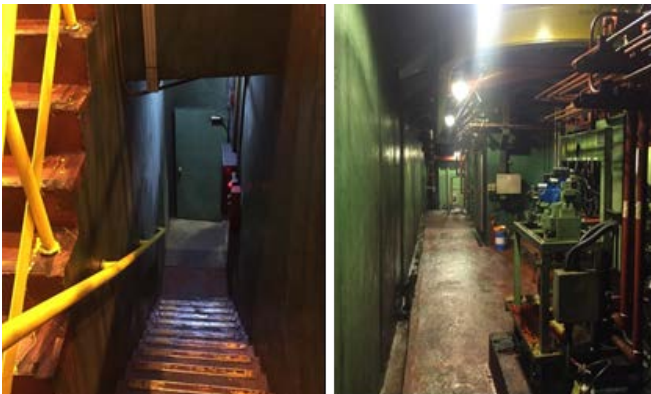
HYUNDAI BNG STEEL CO., LTD

Award: Safety
Category: Workplace improvement

Improvement of Access Control System

Challenge

There are some problems with extinguishing the fires in the cellars. The cellar is an enclosed space, so everyone is exposed to potential suffocation. If the cellar catches fire, the operator can switch on a CO₂ fire extinguisher. If the operator does not check the location of workers, it is possible that someone may be left in the cellar and he may be asphyxiated by the CO₂.



The cellar

Action

We placed a signboard in front of the cellar entrance which can display the presence or absence of workers. If someone wants to enter the cellar, he has to record information (purpose of visit, time, name) and turn on the light (green light: absence, red light: presence).



Situation before

Outcome

Actually, accidents have occurred rarely in our company, but safety has been strengthened further for workers, which can prevent any possible accidents. Also, it can prevent unauthorized person from gaining access to the cellars through recording information.



Situation after: before entering the cellar, turn on the light