

## General Principles of Accident Prevention in Built Environment Rehabilitation

**Authors :** Alfredo Soeiro

**Abstract :** Rehabilitation in construction or built environment is a particular type of operations when concerning prevention of accidents. In fact, it is also a different type of task in construction itself. Therefore, due to the complex characteristics of construction rehabilitation tasks and due to the intrinsic difficulty of preventing accidents in construction, a major challenge faces the responsibility for implementing adequate safety levels in this type of safety management. This paper addresses a set of proposed generic measures to face the unknown characteristics of built environment in terms of stability, materials and actual performance of buildings or other constructions. It is also addressed the necessary adaptation of preventive guidelines to this type of delicate refurbishing and renovating of existing facilities. Training, observation and reflective approaches are necessary to perform this safety management in the rehabilitation of built environment.

**Keywords :** built environment, rehabilitation, construction safety, accident prevention, safety plan

**Conference Title :** ICRAMC 2018 : International Conference on Risk Analysis and Management in Construction

**Conference Location :** Barcelona, Spain

**Conference Dates :** February 27-28, 2018