At present, the construction industry is facing the trend of labor shortage and the gradual aging of the working age. Improving the professional efficiency of personnel and the safety of the workplace is an urgent issue. The modular construction method of the precast components can effectively improve the quality and enhance the safety of the construction. This article analyzes the difference between the precast method and the traditional construction method from the construction risk assessment in the planning stage, and the observation and recording of the construction risk treatment and related data during the construction process. It can provide follow-up project designers and constructors reference for project planning and construction.

關鍵字：modular construction method 、precast 、construction safety