# **RISKS AND COUNTERMEASURES DURING THE DISASSEMBLY AND INSTALLATION OF THE WELL TEAM**

#### Seunghee Oh

Department of Safety Engineering, Incheon National University, Korea.

**Abstract:** In recent years, the application of the latest researched equipment installation technology has promoted the development of related industries to a large extent. However, there are still some problems in the application of domestic well team disassembly and installation technology, such as management issues, quality issues, or dangers that arise during project implementation, all of which we are faced with. In order to further improve the current situation, it is necessary to continuously improve the process level, and at the same time, constantly standardize the control and management system, etc., and improve various problems that arise during the disassembly and installation of the well team through improvements in different aspects. With the continuous application of information technology and the increasing emphasis on technical safety in all countries in the world, it is necessary to further improve the application of intelligent, digital and information technology in the installation and construction of well teams. This can not only reduce labor costs, To a certain extent, it can also improve the installation efficiency, further improve the economic benefit level of the industry, and further promote the strong development of the industry. **Keywords:** Well team construction; Risk response; Management system

# 1 CHARACTERISTICS OF THE INSTALLATION, CONSTRUCTION AND DISASSEMBLY PROCESS OF THE WELL TEAM

With the continuous development and progress of the times, especially after entering the 21st century, under the influence of the tide of information technology, the development of various industries in our country has made great progress. Using modern technology, many industries have gradually got rid of the traditional industry[1]. On the other hand, our country's trade exchanges with some foreign countries have gradually increased, and learning from foreign advanced technological experience has also had a great impact on the development of various industries in our country. At present, the development of well team installation and construction in our country has also made great progress. The level of construction technology is improving day by day[2]. At the same time, the control and management of well team installation are also constantly updated and improved. After the development and improvement in recent years, it can be seen that , the internal management level of the well team has been improved, but there are also some problems, such as the overall quality of the installation personnel is not high, the control management system is not standardized enough, etc., which need to be promoted by improving the technical level or cultivating more technical talents. The continuous development of this industry in our country[3].

# 1.1 High Risk

Well team installation and construction can not only ensure normal production, but also have a significant impact on the actual level of the entire life, and are widely used. Therefore, the installation quality of the well team has a great role in promoting the development of our country's economic level and is cost-effective. At the same time, the investment in the well team disassembly project is also risky. When applying it, the entire operation must be taken into consideration. The environment and the physical condition of the well team members enable the well team leader to make more accurate predictions for different situations at work[4-5].

#### **1.2 High Technical Content**

Installation is the key to improving the implementation of the entire well team. At the same time, it has a great impact and the technical requirements will be very high. Compared with the traditional installation and production, the installation technology content is significantly improved. If the entire well team's installation technology is not Innovation and improvement will seriously affect the entire production process of the project[6]. Therefore, in practical applications, there are still some obstacles to the well team installation project, so it is necessary to continuously increase the technical investment in installation and continue to conduct learning and research so that it can better serve socialized mass production and further enhance our country's economic level.

# 2 WELL TEAM INSTALLATION AND DISASSEMBLY MANAGEMENT MEASURES

#### 2.1 Do a Good Job in Checking the Installation and Disassembly of Equipment in Every Link

By introducing the analysis of the characteristics of well team installation, it can be concluded that its main characteristics are high risk and high technical content, so its application requirements are also very high. How to better improve the application effect of well team installation and disassembly requires strengthening its installation management and improving its actual application effect by inspecting the installation equipment in every link. On the one hand, we must do a good job in inspecting the installation in the market we are facing to ensure its quality in production; on the other hand, we must improve the management of the well team itself. Next, we will introduce the standard internal management system of the well team.

#### 2.2 Standardize the Internal Management System of the Well Team

The completion stage of the well team installation and disassembly project is the most critical part of the entire construction process. Acceptance of the completed work can prevent unnecessary quality problems during future use and ensure the service life of the operation. The main improvement method for the problem of unclear target responsibilities in actual installations is to focus on building a cost target indicator system and a cost responsibility system with unified rights and responsibilities. Only after the responsibilities are specifically clarified can the well team improve management. Only with a fixed direction to pursue can we build a more stable management target indicator system. In the process of improving the well team management system, in addition to mobilizing employees, it also lies in the guidance of well team leaders to make correct decisions.

#### **3 METHODS FOR LIFTING WELL TEAM INSTALLATION AND DISASSEMBLY PROJECTS**

#### 3.1 Improve its Sewage Treatment Technology

At present, a prominent problem in the application of well team installation is the emission of pollutants, which causes environmental pollution. Therefore, in future applications, we must continue to improve pollution control issues and upgrade pollution control technology. This will create greater social value, achieve higher social benefits, and adhere to our country's sustainable development path. Make a contribution to global environmental protection.

#### 3.2 Strengthen the Application of Intelligent Technology

The 21st century is the information age, and intelligence has been applied in the production and development of many industries. In the design and management of well team installation, we must also improve the application of informatization and intelligent technology, and actively learn the application of foreign advanced technologies. Through the application of intelligent technology in actual installation design, the difficulty of control and management of well team disassembly technology can be reduced, human misoperation can be reduced, and the orderly development of equipment and packaging technology can be improved.

#### 3.3 Implement a Performance Point Assessment System to Improve Employees' Work Enthusiasm

The employees of an enterprise are the core element for the operation of the entire enterprise. In addition to funds, employees are the factor with the greatest influence on the enterprise. They will not only affect the overall operation ability of the enterprise, but also affect the profit of the enterprise. Therefore, the same is true for the well team. Its main leaders must improve and standardize the employee salary system. On the basis of more work, more gain, less work, less gain, a performance point assessment system must also be implemented, that is, for employees to make suggestions incentive system. For example, you can stipulate that employees who work overtime will receive different bonuses. At the same time, for some innovative and technical talents within the well team, as long as they have contributed to the well team, they should be rewarded. They gave rewards to encourage the well team employees to devote themselves to work with greater enthusiasm, and made plans for the company, which on the other hand ensured the safety of the well team's construction.

#### **4 CONCLUSION**

At present, there are still some problems in the domestic electrical construction technology and control management of electromechanical installation projects. But in general, installation workers are required to have high professionalism, because good workmanship is required in every aspect of installation. Therefore, not only the management personnel must be paid attention to, but also the installers must be given sufficient attention. Concern in this regard can be achieved by establishing a performance point assessment system or a certain incentive system to enhance staff's enthusiasm for work input. No matter what industry it is, its development must be based on continuous innovation and improvement strategies.

The authors have no relevant financial or non-financial interests to disclose.

# REFERENCES

10

- [1] Wang Jianxue. Drilling Engineering. Beijing: Petroleum Industry Press, 2008.
- [2] Go, S. A study on quantifying risk index by performing risk assessment of building construction work, Research Report, Korea Occupational Safety and Health Research Institute, Korea. 2003.
- [3] Fan Hua, Wei Longchao. Summary of maintenance methods and practices of commonly used electrical equipment in drilling teams. Technology to Get Rich Guide, 2012(05).
- [4] Lee, C. The investigation of recent three year construction projects by the type of works and accidents, Research Report, Korea Occupational Safety and Health Research Institute, Korea. 2010.
- [5] Stewart, R.A., Mohamed, S. Evaluating web-based project information management in construction: Capturing the long-term value creation process. Automation Construction. 2004, 13(4): 469–473.
- [6] Lim, J., Han, K., Kim, S. A study of client role for safety management at construction sites. Korea Institute of Building Construction. 2008, 8(5): 75–83.