



Case Study: Tower Crane Audit

Background:

Industrial Training International (ITI) Field Services Division was recently called on by a leading organization in the construction industry to perform an on-site Tower Crane Audit, as well as subsequent development of a formal procedures document directly related to a large project.

The comprehensive audit process took eight weeks to complete and required the expertise of two members of the ITI Field Services team.

The Project:

The construction company set out to accomplish five clearly defined goals by bringing in ITI Field Services:

1. Define possible safety issues directly related to the job site
2. Enhance training and qualification of current personnel
3. Critical lift planning for a tower crane blind pick
4. Communication plans for critical lift planning
5. Develop a pre-operation meeting agenda

While on-site, the ITI Field Services team interviewed crane operators, riggers and signalpersons to set a baseline point in terms of rigging applications and load handling procedures. The tower crane and the load handling activities were documented and then carefully evaluated against all applicable standards. The result of the evaluation was a finalized Procedures Document that was delivered to the construction company's Corporate Director of Safety & Health.

The Results:

With the help of the ITI Field Services team, the critical lift was planned and executed devoid of complications. Personnel participated in a pre-operational meeting every morning, supporting a culture of safety and aiding in the process of eliminating risk related to personnel, equipment and the work site as a whole.

The proactive decision to review rigging applications and crane activities prior to the commencement of the project, assisted in ensuring the success and safety of all involved on the job. The involvement of the ITI Field Services team with this project was such a resounding success, the construction company has adopted and implemented the procedures stemming from this particular audit as a requirement for all of their job sites.