



Decommission and Demolition Case Study

Quantum's Solution Strengthens a Global Company Network

Imagine this, a worldwide pharmaceutical company with this challenge:

- Multiple facilities located around the globe
- All of these facilities need decommissioning and demolition at the same time
- No internal resources to conduct the work
- No external expertise with centralized capacity to do global work

The only solution *seemed* to be dedicating large amounts of internal resources to manage multiple companies around the world without any standardized systems. This would be costly and have the risk of inconsistent results. Further, some of these localized companies would use state-of-the-art processes. When the projects were completed,, the expertise went with them as well.

Quantum Management Group became more than the answer to the challenge. Quantum actually strengthened the Client's company with their solution. Here's how...

Quantum had centralized expertise to perform the work on a global stage. But Quantum also created a duplicable project management system of best practices that provide consistent results AND embedded this system in the client's core capabilities. This reduced cost, gave predictable outcomes and actually strengthened the company's expertise and bottom line.

Quantum assisted this pharmaceutical client in developing a "Decommissioning and Demolition (D&D) Best Practice," which ultimately was placed on the company's intranet site to assist worldwide engineering colleagues on their D&D projects.

Quantum achieved this in three phases: (1) Create an infrastructure of best practices; (2), Create project management guidelines, and (3) Assemble these best practices and guidelines into a Project Management System that became a "program" duplicated with predictable outcomes for all future projects. Here are some details of our approach:

(1) Create an infrastructure of best practices

Quantum's approach was to assemble several teams to interview various internal and external experts for specific D&D processes and procedures. This resulted in cataloguing multiple best practices including:

- Process-specific decontamination procedures
- Efficient project D&D project organizations



- Safety systems
- Decommissioning planning
- Utility relocation
- Assessing alternative methods of demolition
- Cost estimating tools
- Waste management procedures and systems
- Site restoration
- Record retention

(2) Create Project Management Guidelines

In addition to the best practices listed above, Quantum also developed project management guidelines for the following:

- Development of Contractor Scopes of Work (SOW)
- Technical specifications and contract drawings for demolition
- Preparing cost estimates
- Reviewing contractor bids and engineering surveys
- Safety and inspection systems throughout demolition operations

(3) Create a Project Management System that could be replicated

The Client ultimately benefited from transferring the D&D body of knowledge from a specific project approach to a program management system which helped define the Client's needs at specific global locations. This ultimately saved money because of program efficiency

Quantum Management Group thought like an Owner, acted like an Owner, made decisions like an Owner – then walked away from this project knowing “their” pharmaceutical company was better from having been involved.