

# SPOTLIGHT: PAINT TOWER REMOVAL

**INDUSTRY:** Manufacturing  
**SCOPE:** Capital Project

**ABOUT THE PROJECT:**

A manufacturing facility in Ogden, Utah, needed major renovations. Historically, the site had been used as a painting and distribution center. In 2021, our client required the **removal of its 10-story, steel-constructed vertical paint oven tower.**

**BRAHMA'S ROLE:**

In addition to removing the 108' tower and associated rooftop, the project entailed restoration of the affected areas, including the design-build of the remaining facility. This included reinforced concrete placement, structural steel components, buildup roofing, fire protection, and electrical systems.



## PROJECT HIGHLIGHTS & CHALLENGES:

<b>HIGHLIGHTS:</b>	<ul style="list-style-type: none"> <li>▪ Brahma performed the tower removal with a top-down approach: each floor was disassembled one at a time. Equipment &amp; materials were lifted off with the 130' crane and placed in recycling bins.</li> <li>▪ Each of the tower's 10 levels contained segmented ovens and flues; all had to be dismantled &amp; removed.</li> <li>▪ Three levels had concrete floors; these were removed &amp; lifted from the structure in a crane box for disposal.</li> <li>▪ A service elevator &amp; equipment were removed along with the stairs.</li> <li>▪ Brahma restored the footprint of the removed tower and supporting structures to match the existing facility's interior flooring &amp; exterior roof lines.</li> <li>▪ The project was completed on schedule.</li> </ul>
<b>SPECIAL CHALLENGES:</b>	<ul style="list-style-type: none"> <li>▪ This project, located directly in the approach of the Ogden-Hinckley Airport, included working at great heights – both the height of the tower and the removal crane. As such, <b>over 130 special notifications and permits from the FAA were required.</b></li> <li>▪ To maintain compliance, Brahma installed temporary clearance and marker lighting identifying the aerial equipment and the tower being removed.</li> <li>▪ Brahma completed this project during the height of the COVID-19 pandemic. We successfully implemented additional safety protocols for our crews &amp; subcontractors.</li> <li>▪ The pandemic also contributed to the lack of availability of required materials for the roof infill. Roof trusses, which had been readily available just a few months earlier, now exceeded a lead time of 6 months.</li> <li>▪ To ensure our client's project remained on schedule and budget, Brahma hired an engineering firm to design the roof trusses, and a local steel fabrication shop to build the trusses – within 30 days.</li> </ul>

<b>PROJECT SERVICES:</b>	
<b>PROJECT LENGTH:</b>	6 months
<b>PROJECT SERVICES:</b>	<ul style="list-style-type: none"> <li>▪ Capital Project Construction</li> <li>▪ Pipe Fitting &amp; Welding</li> <li>▪ Structural Steel Erection</li> <li>▪ Structural Concrete &amp; Grout</li> <li>▪ Heavy Rigging, Equipment Removal &amp; Installation</li> <li>▪ Demolition</li> <li>▪ Electrical &amp; Instrumentation</li> </ul>

