



FORGE FURNACE MODERNIZATIONS

A client in the forging industry requested that PTS design modernizations to seven (7) of their forge furnaces that had been experiencing frequent downtime for maintenance. The modernizations included replacing entire control enclosures with modern equivalents and upgrading the combustion piping for the furnaces to meet modern standards.

PTS has a thorough understanding of modern furnace safety codes, such as NFPA 86, from numerous completed projects for customers in the forging industry. Our team of electrical/controls engineers used this knowledge to design control enclosures that would meet the customer's requirements and the code requirements. Our mechanical engineers designed the combustion upgrades to meet the code and added new devices to make maintenance and operations easier for the client.

In the end, we designed, procured materials, and assembled all seven (7) control enclosures and procured all mechanical materials that would be needed for the upgrade. We shipped everything to the client in conveniently packaged kits for each furnace. Once the client's contractors completed installation, PTS returned on-site for startup of the new controls. The client was left with seven (7) furnaces that were back up and running with all modern controls and upgraded piping systems. We also provided all engineering drawings so the client has accurate documentation for many years to come.

PTS worked together with the client to understand their needs and complete the portions of the project that the client could not complete themselves. This partnership and teamwork resulted in PTS delivering another successful project to the client.



