



Premier Combustion Services Experience

- Premier Combustion Services (PCS) is proudly owned and operated by The Williamson Free School of Mechanical Trades Alumni. PCS personnel have over 40 years of experience operating, maintaining, and improving various industrial equipment. This equipment includes burner systems, control systems, deaerator systems, dryers, firetube boilers, fired heaters, heat recovery steam generators, ignition systems, kilns, industrial water tube boilers, SCR systems, steam turbine systems and thermal oxidizers.
- We are subject matter experts in steam plant operations and maintenance, NFPA burner management systems, and combustion control systems.
- PCS maintains a strong relationship with the boiler and burner OEM market.

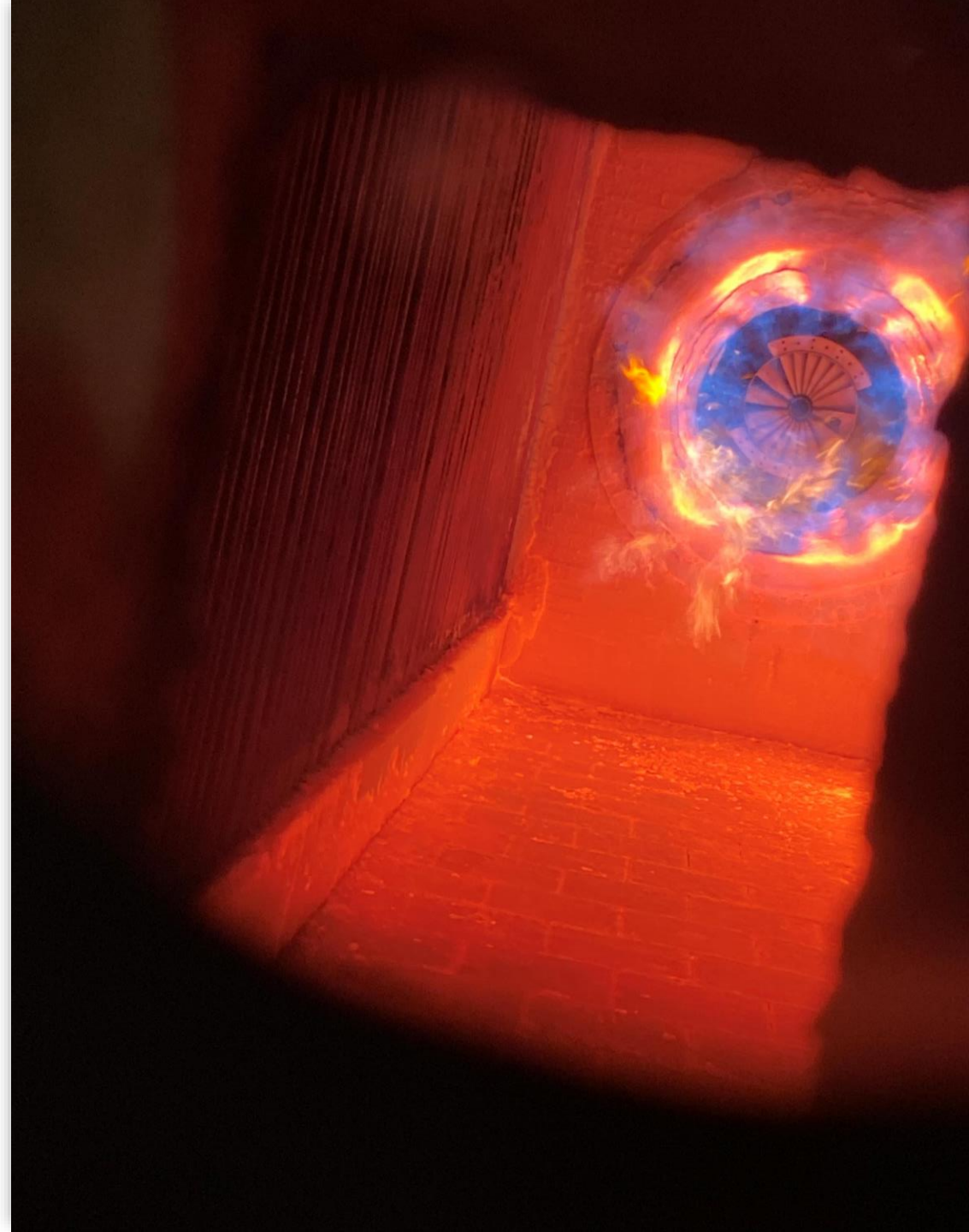
PCS Global Field Services

- While we consider the United States of America our home, the world is our playground!
- Our team is strategically located throughout the United States which allows us to meet our customers needs.
- We have previously completed projects in China, France, India, Japan, Kuwait, Malaysia, New Caledonia, and Nigeria to name a few.



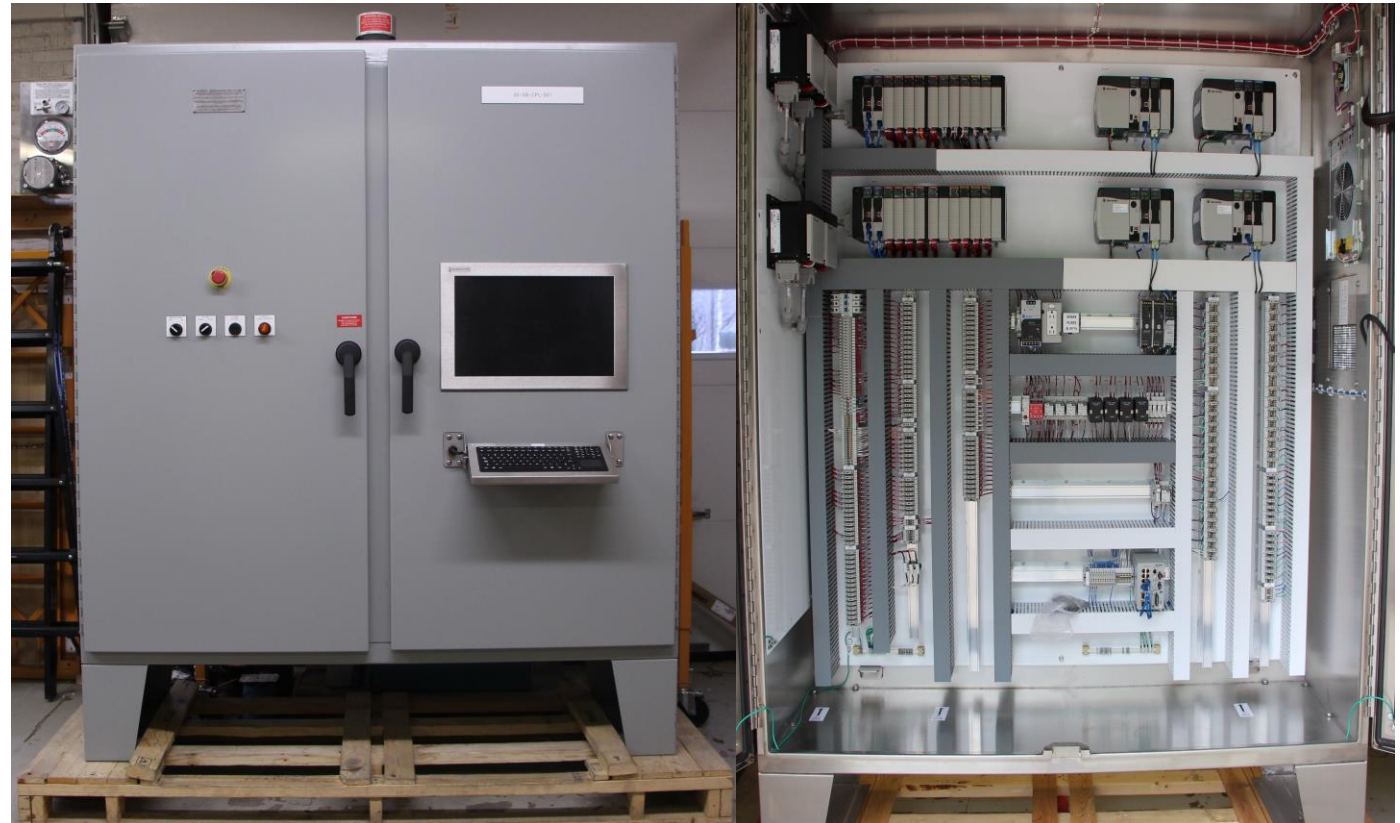
PCS Boiler & Burner Service

- PCS personnel have completed over 100 + boiler and burner startups across the globe. We are experts in low NOx (sub 30 PPM) and ultra-low NOx (sub 9 PPM) burner applications. Our team services industrial boilers from 150 BHP to 1,200 MW units. This includes single multi-burner, and duct burner applications. We have experience with boilers firing biomass, blend fuels, hydrogen, natural gas, propane, #2 fuel oil, #6 fuel oil, and other solid fuels.
- We offer air flow testing, BMACT testing, CFD modeling, consulting, engineering support, full startup support, combustion tuning services, and troubleshooting of any industrial boiler/ burner application.



PCS Control System Services & Solutions

- PCS offers full control system checkout, electrical troubleshooting, startup support, training for deaerator systems, fired equipment, and SCR applications.
- PCS can provide custom engineered UL listed BMS/ CCS control cabinets.
- PCS personnel have experience with ABB, Allen Bradley, Autoflame, Delta V, FireEye, Honeywell, Modicon, Siemens LMV, and Siemens PCS 7 control systems which include:
 - Single Point Positioning
 - Parallel Positioning with Position Feedback
 - Fully Metered/ Cross Limited
 - Oxygen/ NOx/ CO Trim
 - Flue Gas Recirculation (FGR) Trim
 - Draft Control
 - Single, Two, Three Element Drum Level Control
- Burner management system safety verification checks.
- Secure remote access troubleshooting / support to customer equipment.
- Burner management system improvements and upgrades from basic microprocessor to fully redundant PLC systems with first-out indication and timestamping.
- Combustion control improvements and upgrades from single-loop to DCS and from single-boiler to entire steam and water plants.





PCS Ignition Systems

- Proven designs customized to fit your application.
- Simple designs with outstanding performance.
- Designs can be retrofitted onto existing applications.
- Ignition systems capable of firing hydrogen, natural gas and propane.
- Ignition systems designed to fire in harsh environments, single burner and multi-burner applications.
- Ignition systems from 250,000 KBtu to 20 MMBtu heat release.

PCS Instrumentation Services

- PCS offers full calibration of instrumentation and system safety verification testing.
- PCS calibration services include but are not limited to; differential pressure transmitters, flow control valves, flow switches, pressure gauges, pressure switches, pressure gauges, RTDS etc.
- Double block and bleed bubble testing.
- Valve sizing and specification for applications.
- Field service support for outages. Support for installation/ repair of actuators, flame scanners, positioners, pumps, switches, valves, and vfds.





PCS Operator Training

- Classroom training. (Geared towards larger industrial watertube boiler systems) with controls simulation.
- On-site operator/engineer training.
- SOP development assistance for boiler systems.
- System walkdowns with operators to understand the cause/ effect of opening and closing valves in the process.
- Training for deaerator systems, fired equipment, and SCR applications.
- PCS can also provide licensed and accredited operators and engineers on a contractual role basis.

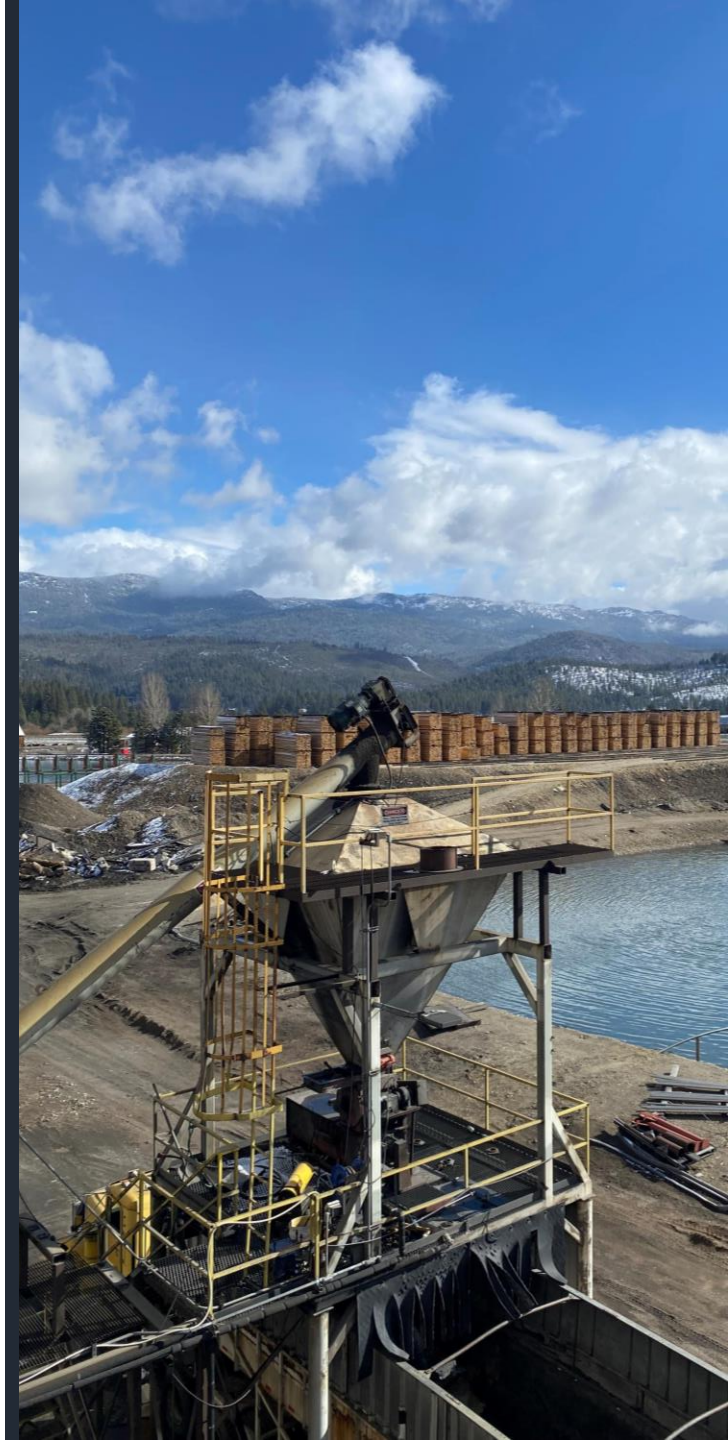
PCS Outage & Turnkey Services

- Our team can assist through the life cycle of your equipment.
- When a customer makes a large investment in a piece of equipment, they expect they will receive a return on investment on this equipment over its lifespan.
- PCS offers preventative maintenance and repair service to keep your facility operating efficiently and safely!



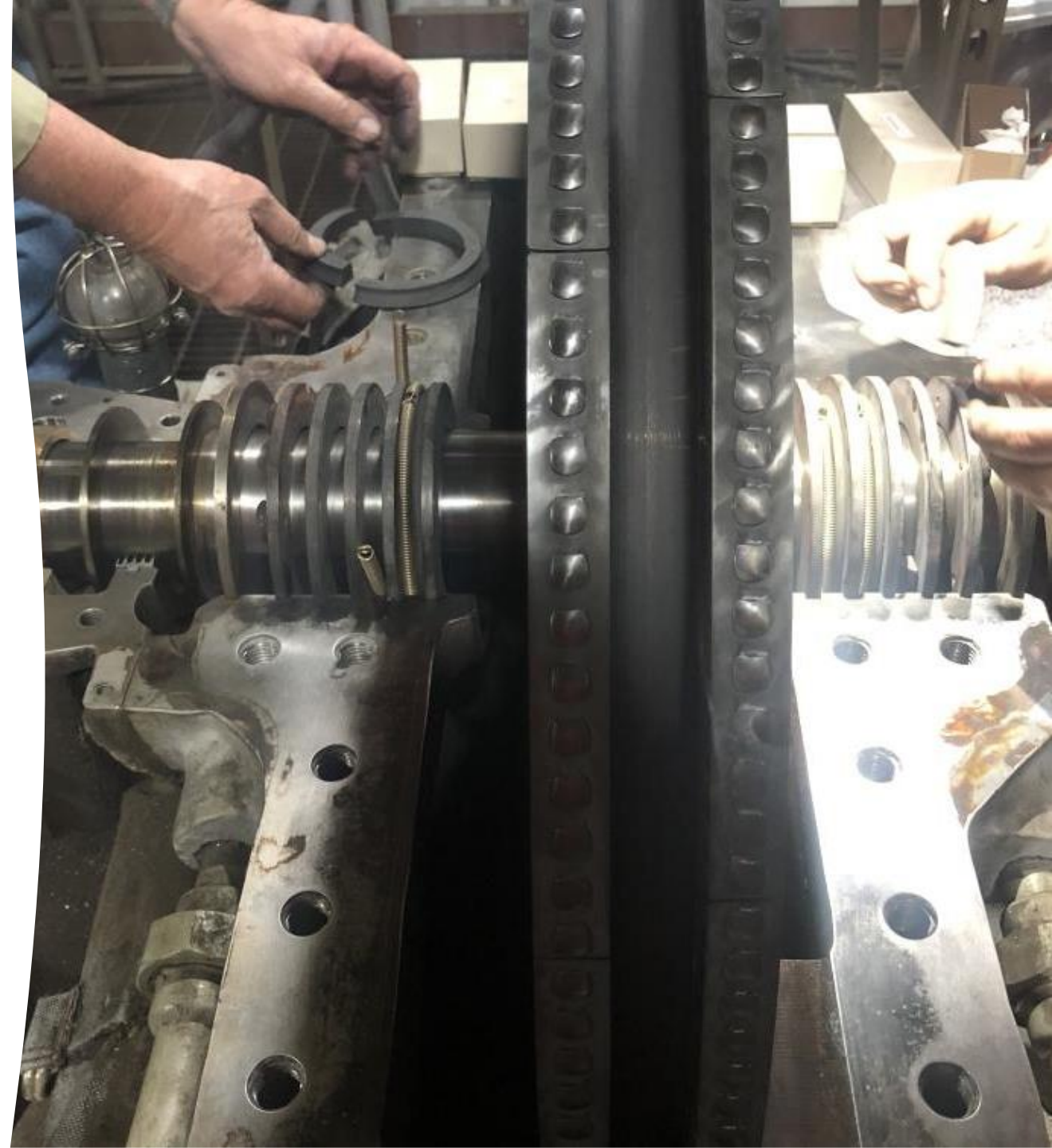
PCS Outage & Turnkey Services

- Annual boiler/ pressure vessel inspection
- Boiler installations
- Boiler repair/ rigging
- Boiler sales
- Boiler studies
- Burner retrofits
- Consulting
- Control system retrofits
- Emission control systems
- EPC
- Field service support
- Ignition system retrofits
- Instrumentation repair/ replacement
- Licensed operators
- Mechanical piping
- Project management
- Rental boilers/ feedwater skids
- Refractory repair
- Rigging service
- Service contracts
- Slag removal through chemical injection
- Steam turbine maintenance/ overhaul



PCS Steam Turbine Services

- PCS provides maintenance and technical support for all steam turbine makes and models. This includes overseeing installation, start up and commissioning.
- Borescope
- Balance of plant
- EPC
- Field Service
- Laser alignment
- Performance testing
- Preventative maintenance
- Project management
- 5- year tear down



Where Do We Work?

- Carbon Black Plants
- Central Heating & Steam Plants
- Chemical Plants
- Correctional Facilities
- Ethanol Industry
- Food Processors
- Forest Product Facilities
- Government Facilities
- Grain Processors
- Hospitals
- Midstream
- Oil Refineries
- Paper & Pulp Mills
- Rubber & Tire Industry
- Steel Industry
- Sugar Mills
- Utilities & Co-Generation Plants
- Universities





Service Powered Through Partnerships

- While we would like to think that we can do it all on our own, that is certainly not the case. At PCS we are proud to have strong relationships with our partners that allow us to not only provide a quality product, but ease of mind to our customers during projects.
 - The companies we are partnered with are all locally owned and operated small businesses.
- Our partners maintain our company moto while out in the field of "PROVIDING SERVICES, WHILE MAINTAINING A PROFESSIONAL AND HONEST CULTURE".



We strive to provide the best service possible. Find out what the PCS difference is today. For inquiries please feel free to reach out to our team!



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