



**Parker,
Messana
& Associates, Inc.**
CONSULTING ENGINEERS
Federal Way / Moses Lake



Our Philosophy



Technology and Common Sense: Use them both.

Advances occur too rapidly to fall behind. We blend theory and practicality. If there is a solution, we grab it. If there's a unique problem, we find a solution.

Clients Guide Decisions

We solve client problems. We don't bring new ones. We at Parker, Messana & Associates believe our extra efforts to be on site and listen to what people want leads to good, practical engineering solutions. We know that there's insight around a lunch pail. Workers won't say, "They never talked to me." The person doing the job often knows what's needed. Our designs respect production and maintenance needs. Similarly, we respond to our client's corporate culture. Our drawings reflect their presentation formats, so they're more understood and integrated into their organization.

Parker, Messana & Associates, Inc. is a full services engineering firm. Our in-house capabilities include:

- *Process*
- *Process Control*
- *Structural*
- *Mechanical / Piping*
- *Stress Analysis*
- *Electrical*
- *Instrumentation*
- *System Integration*
- *Networks and Info Systems (On Staff MCSE's)*
- *MIS System Integration (PI, SQL, SAP interfaces)*
- We have an extensive amount of PLC, HMI, and overall system configuration and programming service experience.

Our full range of services includes:

- *Project Scoping*
- *Capital Cost Estimating*
- *Detailed Engineering*
- *Construction Supervision*
- *Start-up Support*
- *Permitting*

Our experience speaks for itself and covers a broad range of industries and needs:

- *Pulp and Paper*
- *Wood Products*
- *Primary Metals*
- *Chemical*
- *Petrochemical*
- *Oil and Gas*
- *Manufacturing*
- *Food Products*
- *Environmental*
- *Public Works*
- *Electrical*
- *Automation and Control*
- *Network / Information Systems*
- *Steam and Power Generation*
- *Cogeneration*

Parker, Messana & Associates, Inc.

is a field-oriented organization; we utilize the experience of your plant personnel and work with them to develop efficient workable solutions for your project needs. Our ability to produce top quality, integrated packages comes from building a close working relationship with our clients to meet their project needs and expectations.

In summary — all your needs in a single location, and a single point of contact for your entire project.



Recent Projects



Paper Machine No. 2 Benchboard Upgrade

Provided Mechanical and Electrical engineering and electrical construction supervision for the installation of new benchboard and touchscreen.

The Scope of Work included:

- As Built of the existing benchboard system.
- Interface with plant operations for layout and functionality.
- Engineering and design of the new benchboard.
- Interface with General Electric for the installation and programming of the new touchscreen.
- Construction supervision for the installation of the new benchboard.
- Start up and Commissioning.



Turbine Generator Installation

Provided full-service engineering for the installation of a used Turbine Generator within an existing facility.

The Scope of Work included:

- As-Built of the existing power system.
- Power System Study for the Turbine Tie In.
- One Line Diagrams.
- Mechanical and Piping design.
- New P&IDs and Process development.
- Inspection of existing installation and equipment.
- Coordination of removal and refurbishment of turbine generator.
- Construction management for the installation.
- Checkout and Startup services.
- Training.

The project resulted in significant operating cost savings for the mill. The project capital cost was recovered in approximately two years.



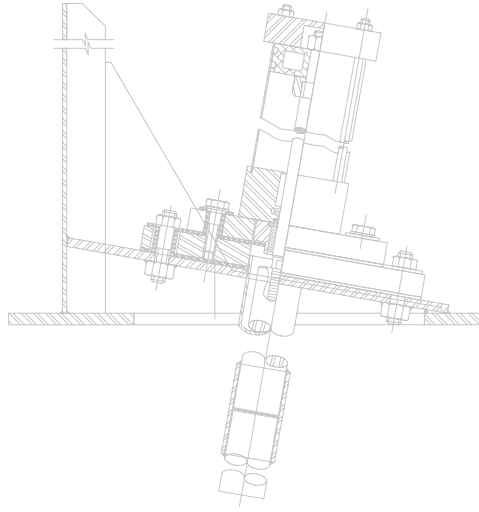
Plant Fiber Optic Network

Provided design, configuration, and installation assistance for a plant wide fiber optic network.

The Scope of Work included:

- Design of fiber optic cable layout and installation details.
- Provided complete documentation for all network interconnections.
- Configuration of DH+ maintenance network for 26 Allen-Bradley PLC-3's.
- Plant-wide Ethernet installation.

Fiber optic backbone for Provox DCS communication highway.



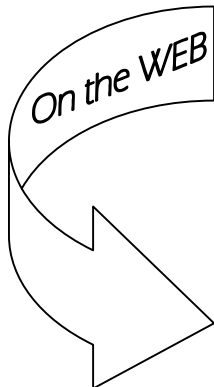
Parker, Messana & Associates



33811 9th Ave S
Federal Way, WA 98003
Phone: 253-926-0884
Fax: 253-926-0886



406 W. Broadway
Moses Lake, WA 98837
Phone: 509-764-0883
Fax: 509-764-0885



www.pma-engr.com

E-Mail us @
pmacorp@pma-engr.com

Check out our Web site for
additional information
Project Descriptions, and our
"Ask the Consultant" feature