



# **WESTERN INTEGRATED TECHNOLOGIES**

Partnering with Leading Edge Companies to Make Systems  
Stronger, Faster, Smarter, and More Energy Efficient

California Colorado Guam Hawaii Idaho Oregon Utah Washington

# About Western Integrated Technologies

Western Integrated Technologies (WIT) partners with leading edge users and manufacturers to make systems stronger, smarter, and more energy efficient.

WIT manufactures custom designed power units and systems for use in a wide variety of industries and applications including Power Generation Control Systems, Aircraft Manufacturing, Ground Support Equipment, Wood and Food Processing Systems, Marine Winch and Deck Machinery Systems, as well as off-road vehicle systems such as Agricultural Harvesters and Construction Machinery.

WIT is the only Parker Hannifin authorized "Hydraulic Systems Integrator" in the Western United States, and manufactures hydraulic power units and test stands for Parker's own use, as well as for resale by Parker. WIT received this distinction after becoming one of the select few distributors nationwide to be certified in all four "Parker Authorized" designations: Authorized Power Unit Assembler, Hydraulic Technical Center, Mobile Technical Center, and Truck Technical Center. For each of these designations, WIT must adhere to strict Parker Hannifin requirements regarding facility, engineering, manufacturing, machining, employee training, customer support, and inventory.

WIT has extensive in-house machining capabilities, including CNC machining centers incorporating state-of-the-art manufacturing practices for valve manifolds and support products.

WIT's Service Division technicians are available to install and commission, as well as troubleshoot and maintain fluid power systems.

WIT's eleven office locations throughout the Western United States, Hawaii, and Guam, have built a reputation for innovation in the fluid power industry, while providing clients with technical expertise and exceptional customer support. WIT embraces the latest in technological advances in order to remain the best fluid power integration choice for our customers.

WIT invites you to tour any of our facilities. You can take a look at our 45,000 square foot, engineering and manufacturing facility in Portland, Oregon or our 60,000 square foot engineering and manufacturing facility in Kent, Washington .

WIT looks forward to the opportunity to help with your project by providing integrated cost-effective total system solutions, and world class delivery to meet your needs.

# Build Center



Western Integrated Technologies not only distributes Parker products, but is also a build center for multiple Parker product lines. We maintain a large inventory to build or convert our stock to suit your needs.

LSHT Motors

TB TE TF TG



Cast Iron  
Gear Pumps

Bearing & Bushing



Piston Pumps

P1/PD PVP



VOAC Bent Axis

F11 F12



Commercial  
Stack Valves

VA20  
VA35  
DVG80  
VP170  
VP120



Denison Vane

T6 Series



Single  
Double  
Triple



Spin-Ons

12AT / 50AT  
Gauges &  
Accessories



Chelsea PTO

442 - 489



World Pressure Filters

7000 PSI  
Many Options



## FAIRFIELD

Gearboxes, Wheel Drives, Input Adaptors,  
Parts, Kits, Conversions, and Repairs



WIT is a push-pull cable factory build center.  
We can make custom cables for many applications.



# Electronic Controls

## Dashboards

Complete assemblies, individual gauges and controls, and custom dashboards are available.



## IQAN Controllers

CAN bus based Intelligent display  
No programming skills required  
Built-in diagnostics  
Easy installation  
Rugged design  
Sensors for every type of need



## Belly Packs

Custom remote controls  
Designed for your system  
Attaches to the user for convenience  
Wireless available  
Long operating range

# Electromechanical Systems



## Parker SSD Servo Motion Controllers

Seamless transition between force, speed, and/or position control  
Graphics displays for easy setup and troubleshooting



## Electromechanical + Electrohydraulic

Steppers and proportional servomotors  
Drives, Controls, and linear actuators  
Open and closed loop onboard electronics  
VFD-AC variable frequency drives

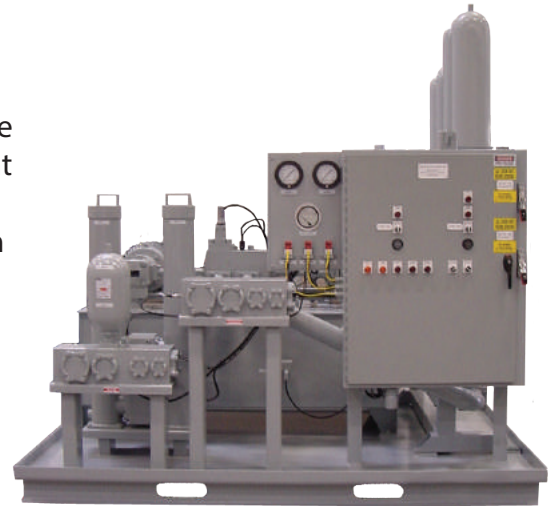


# Hydraulic Systems Integration

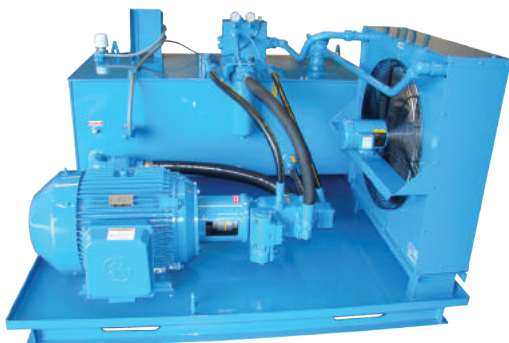
Our custom power units are designed to be portable and rugged. The reservoir is outfitted with immersion heaters, temperature switches, oil level switches, oil sample valves, digital oil temperature controllers for comparisons of flushing oil, and the usual assortment of breathers and sight gauges. The flushing flow volume is controlled by a Parker proportional valve mounted to a WIT custom designed manifold. Stored oil is augmented by the four Parker accumulators. This combination of pumps and accumulators provides infinite output flow variation.



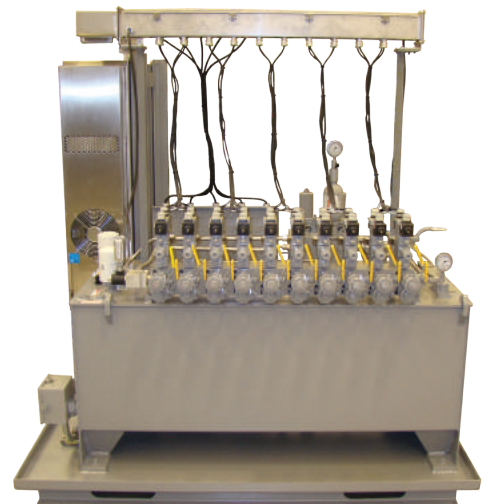
Designed to supply hydraulics for a pulp bale press and wiring machine. The pump/motor is perpendicular to the reservoir and other components, so the entire HPU fits within the frame work of a custom machine. All connections are metric including pump, filter, cooler, tank heater, hoses, and connector fittings.



WIT can create custom HPUs that contain dozens of valves, both electrical and manual, and are designed to control many different fluid paths at a wastewater treatment plant. Systems include two electric motors on the back side of the unit, inline filtration, an oversized reservoir, and custom electrical controls.



Custom units can be designed to supply hydraulics for papermill roll handling equipment. HPU and a valve manifold run an up-ender, which is a device that takes large rolls of paper coming off of the production line in a horizontal position and then places them in a vertical position for the next process.



# Hydraulic Systems Integration

Western Integrated Technologies has the ability to design and build HPUs and hydraulic systems of any size and complexity. Pictured here is an example of one of our larger projects.

This completely custom HPU is roughly thirty feet long and twelve feet high. It was designed to be completely self-contained, and features its own HVAC controls and fire suppression system to keep workers comfortable and safe. It even has its own ceiling-mounted crane for removing and installing pumps and motors. The finished unit was completely enclosed and insulated, with removable panels ensuring easy access for maintenance and up-keeping of the various systems.

Custom, liquid-cooled computer control systems were installed and programmed to operate six electric motors and numerous hydraulic pumps, with a combined output of more than 1,000 horsepower.

One serious machine that WIT built not once, but twice.



# Pneumatics

Parker Cylinders  
Parker Valves  
Parker Rotary Actuators  
Parker Structural Framing  
Parker Finite Coalescing  
Parker Air Preparation Units  
Vacuum Generators and Cups  
Parker Auxiliary Products for Air Systems  
Skinner and Gold Ring Valves  
Parker Pressure Sensors  
Grippers, Slides, Shock Absorbers, Air Motors,  
and Special Application Actuators



# Fluid Connectors

Parker Hose and Fittings - hundreds of styles to choose from  
Parker Thermoplastic Tubing  
Parker Quick Couplers - pneumatic, hydraulic, water, and vacuum to 10,000 psi  
Parker tube bending, cutting, and flaring tooling  
Parker alternate fuel, refueling nozzles, receptacles, breakaway quick couplers,  
and dispensing hoses



# Winches, Hoists, & Lifting Solutions



We offer many different units, from light duty to industrial applications, as well as parts, kits, repairs, and more.

**PACCAR BRADEN**

**ENERPAC** 



# Industrial Hydraulics & Filtration

## Industrial Hydraulics

Parker Cylinders - tie rod, welded and custom  
Parker Pumps and Motors - piston, vane, and gear  
Parker Valves - directional, pressure, and flow control  
Parker Servo and Proportional Valves  
Parker Accumulators and Gas Bottles  
Up to 10,000 psi rated components  
Parker AC and DC mini power units  
Rotary Actuators  
Parker, Denison, and Oildyne



## Filtration

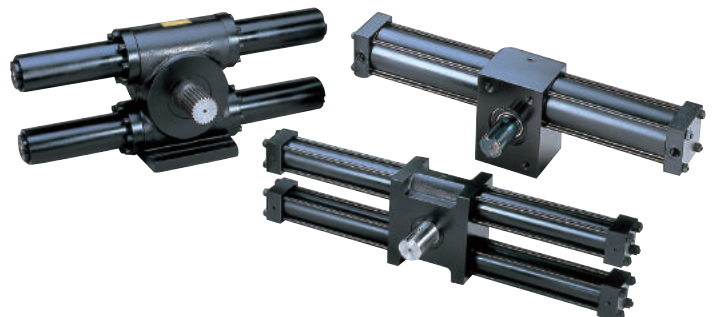
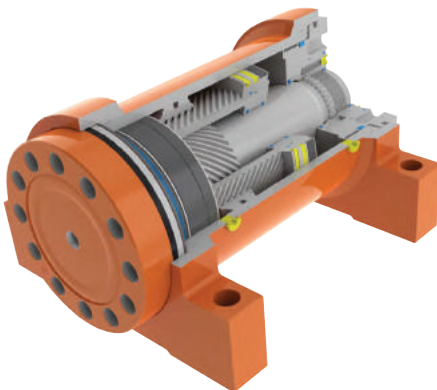
Low, medium, and high pressure filters  
Water removing elements and breathers  
Competitive interchange elements  
Dehydration and purification systems  
Filtration and conditioning systems



# Rotary Actuators



Many options available.  
Contact us for specifics.





# Engine Management



Western Integrated Technologies also offers a full line of customizable cables, controls, and accessories to complete your needs.

## Tier 4 Engineering and Support

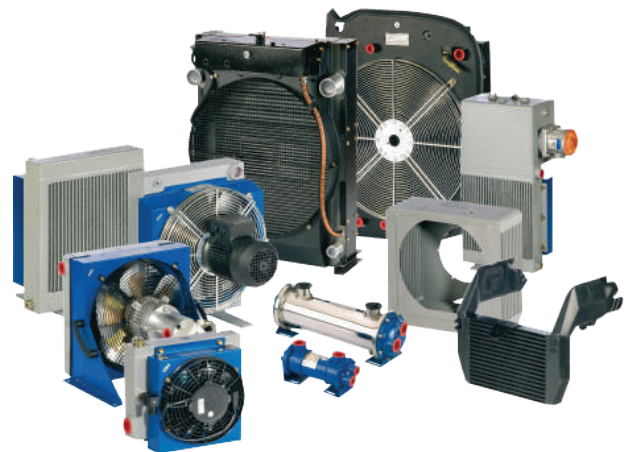
Parker Racor crank case ventilation filters, oil filters, fuel filters, and precision fuel management products are the perfect compliment to engines designed for heavy duty applications.



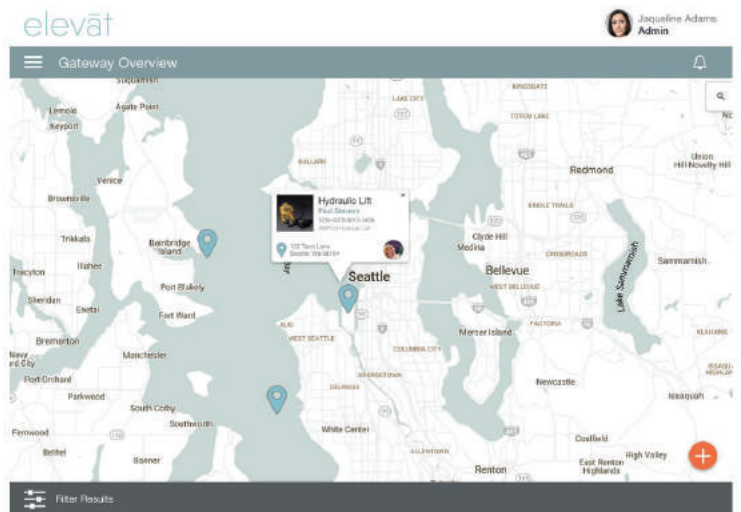
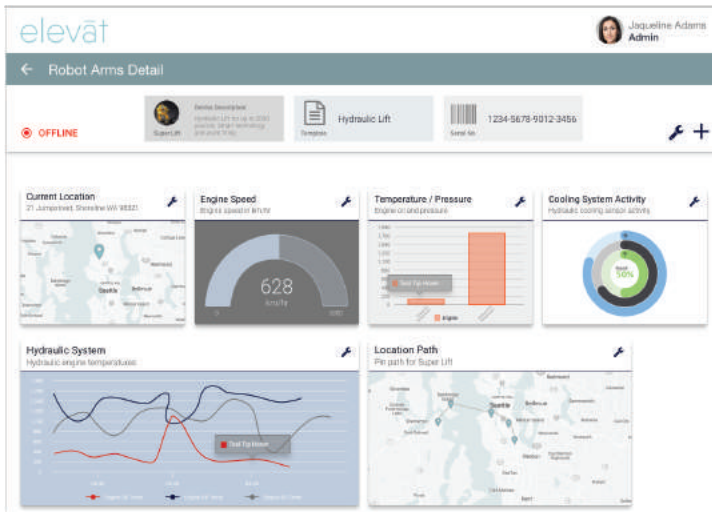
**RACOR**

## Cooling Systems

Emmegi manufactures heat exchangers for industrial machinery, mobile and construction machinery, air compressors, diesel engines, and more. WIT can set you up with the Emmegi product of your choice.



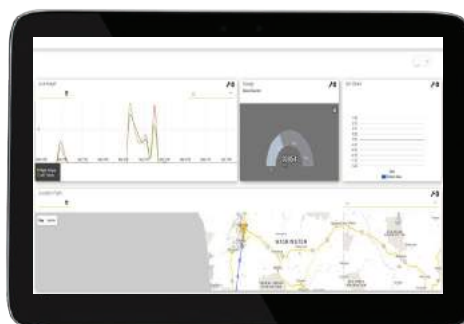
# Industrial + Mobile IoT



elevāt  
www.elevat-iot.com

Western Integrated Technologies has implemented a new program that will allow customers to monitor their systems, mobile or stationary, from their desktop computer as well as smart phones, tablets, and laptops. WIT offers several monitoring packages that, along with the flexibility of our program, enables clients to pick and choose what they need. A few advantages to our system are:

- View the location of your equipment on a map, in real time with GPS tracking.
- Set up and receive warnings from up to 100 sensor inputs to prevent mechanical problems.
- Reduce idle time and prevent user error by using your data as a training opportunity for operators.
- Completely customizable data inputs, reporting, and interface.
- Access your equipment anywhere, at any time.



**Tons of Options!**

# Branch Locations

## **Kent/Corporate**

7651 S. 190th St  
Kent, WA 98032  
Ph: 800.456.6248  
Fax: 206.988.6773

## **Los Angeles**

1332 S. Grove Ave  
Ontario, CA 91761  
Ph: 909.321.3715  
Fax: 909.321.3733

## **Boise**

2929 South Featherly Way  
Boise, ID 83709  
Ph: 208.362.2032  
Fax: 208.362.2096

## **WIT / Parker Store Yakima**

3311 Main St.  
Yakima, WA 98903  
Ph: 509.317-6750

## **Hilo**

15 Kukila St. #4  
Hilo, HI 96720  
Ph: 808.961.6774

## **Guam**

209 E. Harmon Industrial Park Rd.  
Suite 1E-A  
Tamuning, GU 96913  
Ph: 671.649.5844

## **Honolulu**

3169 Koapaka St.  
Honolulu, HI 96819  
Ph: 808.834.7656

## **Sacramento**

1748 Main Ave  
Sacramento, CA 95838  
Ph: 916.978.4828  
Fax: 916.978.4820

## **Spokane**

7106 W. Will D Alton Ln.  
Suite 104  
Spokane, WA 99224  
Ph: 509.547.9880

## **Portland**

8900 N. Ramsey Blvd.  
Portland, OR 97203  
Ph: 800.783.5843  
Fax: 503.228.7318

## **Salt Lake City**

2015 S Milestone Dr Suite A  
Salt Lake City, UT 84104  
Ph: 801.486.6500  
Fax: 801.486.6589

## **WIT / Parker Store Moses Lake**

1228 E. Wheeler Rd Suite B,  
Moses Lake WA 98837  
Ph: 509.350.4301

## **National Sales**

Ph: 800.456.6248