



expanding **growth**
opportunities



YOUR PRECISION IRRIGATION EXPERTS





the leader in precision irrigation.®

The global market demands that growers produce greater yields with fewer resources. Efficient use of water is a challenge that agricultural operations continue to face, potentially limiting growth and affecting efficiency. Technology can help, but it can be difficult to stay current.



As agriculture transforms, Valley® is working to stay ahead of those changes. Generations of growers trust and recognize us as the industry leader. We build the strongest structures, the most durable drive train, the most advanced technological solutions, and the most integrated water delivery options. From due diligence to design and sourcing, we have the experience and expertise to keep you ahead of the curve.

Put our reliability, innovation and responsive service to work for your operation.



Valley Irrigation pioneered the pivot irrigation industry more than 60 years ago, and we're still leading the way today.

the best decisions are informed decisions

The Valley team can evaluate water resources prior to developing an agricultural property, or enhance the efficiency and productivity of an existing water source.

We're the right partner to help you evaluate the wide variety of information:

- Aquifer studies
- Well design
- Reservoir design
- Soil characterization
- Surface water diversions
- Sustainability

Our expertise in irrigation and crop management goes beyond identifying new water sources. We are also uniquely qualified to implement and manage a wide range of agricultural development projects – both public and private.

We can help you create solutions that will:

- Maximize irrigated acres based on available water supply
- Optimize design for your farming practices
- Use the latest in efficiency technology to minimize operating costs
- Integrate pump stations, controls and remote telemetry for turnkey operation





SITE EVALUATION

Future Site

We can reduce your risk by conducting feasibility studies on proposed land acquisition to prepare you for the future. Plus, we'll equip you with a professional evaluation of water supply and rights, aquifer studies, soil types and site sustainability to eliminate any unexpected barriers.

Existing Site

Further improve the efficiency of your irrigation system with an analysis of the pipeline, pumping and electrical system.



IRRIGATION SITE DESIGN/FARM LAYOUT

Preliminary Design

Our team will collaborate with you to design a system that maximizes acres based on available water supply, crop demand, soil types and topography.

Final Design

Our service doesn't end when the plan is drawn up. We offer the long-term support needed to implement a system that will improve your operational performance for years to come. Valley evaluates all aspects of the design, including integrated water supply, pipeline hydraulics, pumping systems, controls, soil characteristics and water quality.

full-source engineered system solutions

When water quality, wastewater management and environmental compliance are a concern for your operation, Valley experts bring comprehensive solutions to the table.

They perform due diligence services, offer independent assessments and can navigate through issues that threaten to halt your progress. Our customers include some of the largest producers and processors in multiple food categories, and across the globe.

Valley is a one-source solution for large growers' complex and evolving water management needs.

Engineering and Environmental

Valley engineering and environmental services include:

- Permitting
- Water, Soil Monitoring and Remediation
- Storm Water Pollution Prevention Plans (SWPPPs)
- Spill Prevention, Control and Countermeasure Plans (SPCCs)
- Onsite Wastewater Treatment
- Pump Command™ offers a wireless VFD set point control solution that automatically matches output to demand for multiple pumps and pivots
- Phase I & II Environmental Site Assessments (ESA)

Water Resources

Science and engineering combine to create solutions that leverage natural site features to reduce cost and improve water quality and availability. Services include:

- Irrigation and Pumping System Design
- Fish Screen Design and Permitting
- Water Quality Monitoring / Assessment
- Storm Water Planning and Management
- Water Supply and Treatment
- Surface and Groundwater Studies / Modeling
- NPDES Permitting and TMDL Compliance





Wastewater Treatment and Reuse

A balance of pretreatment and land-based reuse will provide the most cost-effective and sustainable solutions. Services include:

- System Design
- Soil Assessment
- Crop Plans
- Site Feasibility
- Public Relations
- Permitting
- Turnkey Construction
- Regulatory Reporting



pump to pivot is only part of it

INTEGRATED PUMPING MANAGEMENT

Turnkey Projects

Complete project service is available – from design, procurement and construction to system startup and training – shortening the overall project timeline, saving you time and money.

Pump Stations

Custom pump stations can be pre-assembled skid mounted or built on site.

Reliable Pumping Equipment

- VFDs boost efficiency and maximize energy savings
- Soft Starts slowly ramp up current and reduce wear and tear
- Hydraulically operated sleeve-type valves deliver low pressure loss and high-flow capacity
- Flowmeters offer precise measurements for irrigation, chemigation, automation, well monitoring and dairy and livestock lagoons
- Automated pump operation from your smart panel, saving energy by automatically using only the amount of pressure required



YOUR BEST LONG-TERM VALUE



the industry's most reliable irrigation equipment



Engineered Design

The key to durability is the strength of the overall design. Valley never cuts corners, assuring the longest life and highest return on investment. Every part of a Valley machine is built to be best in class.

Structures

From pivot point to end tower, the entire Valley structure is precision engineered, constructed and field tested to handle any operating stresses your machine may experience, including rough terrain and deep furrows.



The superior structural design also allows Valley to offer the longest, strongest and most durable spans in the industry. That's why more than 50 percent of pivots in use today are Valley pivots, and why Valley pivots continue to deliver a significant resale premium over other brands.

Maximize Production

Every acre of your land is valuable, so Valley offers durable machines that cover rectangular fields, extend into corners, go around obstacles and even irrigate land behind buildings. You can farm additional ground and earn extra income from land you already own.



Corrosion Solutions

We offer solutions to protect your investment against the effects of acidic, alkaline, corrosive and saline waters.

Tire and Flotation Options

Different fields require different flotation options, so whether your terrain is rough or your soils are sandy, loamy or heavy, your Valley dealer can determine what is right for you to increase traction and keep your machines moving.

Valley Gearbox

Valley is the only center pivot company that produces its own gearboxes. The industry-leading Valley gearbox is life-tested and quality checked throughout the process to ensure we are constructing the most reliable and structurally sound gearbox available.



advanced technology delivers increased efficiency



Industry-leading smart irrigation solutions from Valley enable your operation to do more, simply and in less time. Plus, you can access all of your data to put the information to work for you, making smart choices about everything from planting to chemical applications and from agronomy to weather patterns.

Smart Panels

The Valley ICON® series of smart control panels set the standard for ease of use and intuitive display, offering total control at a grower's fingertips. ICON panels are designed to withstand extreme temperatures, high humidity and transient voltage requirements. They provide uninterrupted performance and durability to keep your center pivots running year after year.



Remote Management

Remote management options from Valley allow you to monitor and control your irrigation equipment from anywhere from any smartphone, tablet or desktop computer, saving money and time. Best of all, these smart irrigation solutions are available built into every Valley ICON panel.

GPS Guidance

Valley GPS Guidance eliminates the need for buried wire and uses the latest in satellite technology to accurately steer your machines around the field for the most precise application of water and other crop inputs.





Variable Rate Irrigation (VRI)

Valley VRI solutions allow customized water application based on topography information, soil data maps, yield data and other user-defined information. With your VRI Prescription, you apply water only where needed so you won't waste resources on unnecessary areas in your field, such as, ditches, canals, buildings and boggy areas.

Irrigation Scheduling

Make informed irrigation decisions using data about soil, crop type, stage of development and automatically updated weather information with Valley Scheduling™. Eliminate guesswork, improve efficiency and crop health, and stay informed from anywhere through a simple dashboard accessible via mobile, tablet or desktop device. Plus, Valley Scheduling offers customizable options that others don't.

Anomaly Detection

Using various types of imagery and state-of-the-art artificial intelligence algorithms, Valley Insights™,* powered by Prospera, virtually scouts your fields. Then we alert you to crop health concerns and irrigation issues so you can take immediate action – before damage occurs. You can adjust your pivots, maintain crop uniformity, and reduce overall input costs by focusing on the relevant areas of your fields.

* Currently available in select regions

Connected Crop Management

Valley 365® integrates the functionality of existing technology like AgSense®, Valley Scheduling, Valley Variable Rate Irrigation (VRI) and Valley Insights into one location. Now you can access everything you need for crop management with a single sign-on. Valley 365 offers a simpler, more intuitive user experience, making it easier to harness the power of your data for greater profitability.



with reliability comes trust

Valley Irrigation has the largest and highest-quality dealer network because we are dedicated to consistent education and training, and are constantly identifying and developing the best partners to serve our customers.

Throughout the country and throughout the world, you will find Valley dealers and service technicians with knowledge that leads the industry. No matter where your operation needs it, our dealer network is there to provide prompt, skilled service before and after the sale.

unsurpassed service

Our dealers dedicate themselves to earning your trust and exceeding your expectations by providing:

- The latest technology available
- Recommendations on the best Valley solutions for your operation
- An extensive inventory of Valley Genuine Parts to keep you up and running
- Turnkey solutions, from pump to pivot
- GPS service rigs to work more efficiently, saving time and miles
- The ability to service all brands of irrigation equipment





GLOBAL REACH AND LOCAL INSIGHT

from water source to the crop

Assuring sustainability of your water source is one key to success. It's why Valley Irrigation partners with your Valley Dealer, the local expert. They better understand local water restrictions and provide in-depth assessment and knowledge of the agricultural base in your area.



THE SOURCE FOR CONTINUING EDUCATION

Available 24/7, irrigation.education is a free e-learning platform. You can learn about irrigation best practices and benefits, water application, technology advancements, troubleshooting and more. The online library of courses will help you make the best irrigation decisions for your operation.

Prior to making decisions, growers and investors are increasingly examining how companies minimize their environmental impact. Valley Irrigation has always had an unwavering commitment to caring for the planet. We support the world's need for food through the efficient use of water for agriculture, while our solar energy and infrastructure solutions help conserve resources and transition to a clean energy economy.

These are not just pledges of corporate responsibility sometime in the future; these are real innovations that help reduce our footprint now, and they can benefit your agricultural project moving forward. Learn more at valmont.com/about-us/sustainability



better together

Valley Irrigation and your local Valley Dealer are the all-in-one source for large growers. We can assist you in all phases of groundwater and surface water source evaluation, development and management. Our goal is to provide you with a customized, sustainable water source and efficient management from the pumping station all the way to the crop.

By tapping into our resources, you save time and can maintain focus on the things you do best. Look to us to do the heavy lifting – consulting, sourcing, compliance, design, construction and management – so you regain control, protect the environment and make a lasting impact on the future of your operation and the sustainability of water for agriculture.

The future of ag will blend the best of technological innovation and personal service. To do more, your operation needs to get the most from your water management partner. Trust Valley to help you anticipate and overcome all challenges to your continued growth and success.



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