

# Valley<sup>®</sup> Conversion Solutions

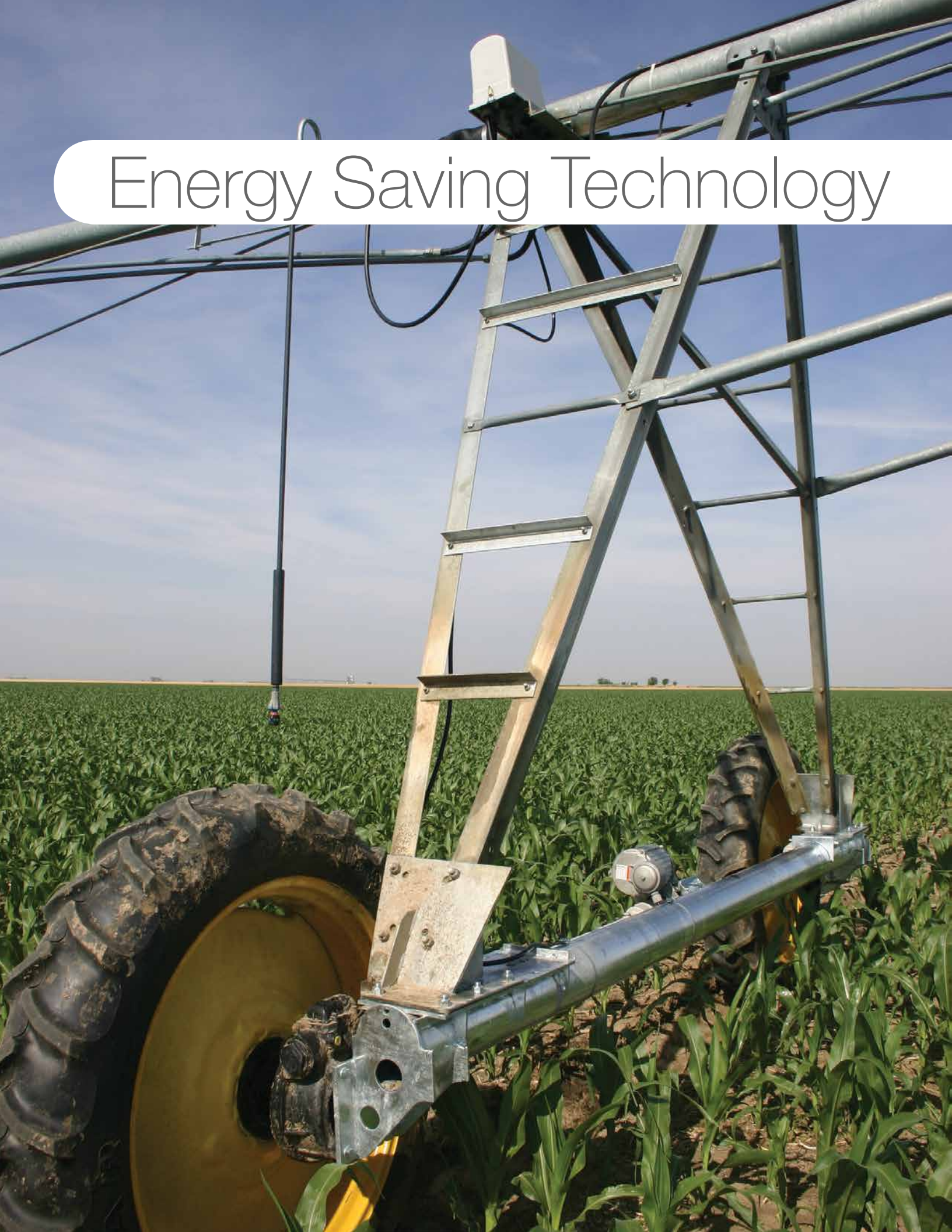
RELIABLE | DURABLE | PRECISE | ADVANCED | RESPONSIVE



**VALLEY** 

The Leader in Precision Irrigation.

# Energy Saving Technology



# Convenient. Efficient. Productive.

As a grower, these are words to live by.

You depend on your irrigation equipment to operate – day or night – under tough conditions. You expect a high level of performance without a lot of hassle. A level of performance you can get by converting oil hydraulics to electric drives using Valley<sup>®</sup> irrigation components.

Specially engineered conversion packages convert your oil hydraulic machine to a reliable electric drive machine with durable Valley parts – drive train, alignment, pivot controls and low-pressure sprinkler packages – for convenience, versatility and reduced labor and energy costs.

Plus, you get the additional protection of the Valley warranty, along with exceptional dealer service and support. The decision to convert your oil hydraulic center pivot to an electric drive has never been so easy.



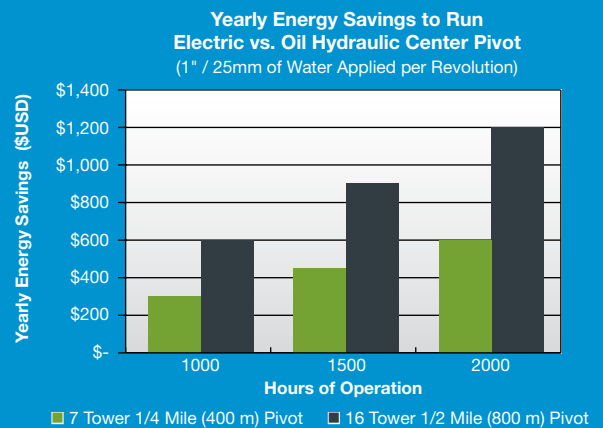
## Low-Pressure Sprinklers Lower Pumping Costs

Many oil hydraulic drive machines require high pivot water pressures of 50 PSI (3.45 bar) or more just to operate the end gun efficiently without a booster pump.

Savings from lowering your sprinkler operating pressure by 20-40 PSI (1.38-2.76 bar) can range from \$600 to \$3,500\*\* per year (depending on energy type and cost, water flow rate, and other operating conditions).

## Electric Drive Pivots Cost Less

Electric drive center pivots can use up to \*75% less energy to move the machine around the field. The oil hydraulic pumping unit must provide a constant 1,750-1,800 PSI (121-124 bar) operating pressure at all times, no matter what speed. Electric drive machines provide power only when needed, reducing energy costs.



Assumption: Electricity at \$0.07/kW-Hr  
\*Results will vary based on model types, soil conditions, terrain and speed.

## Yearly Savings Add Up Over Time

Yearly operating savings in energy costs add up over years of operation. Savings to run electric vs. hydraulic drive center pivots can range from \$6,000-\$25,000\*\* when compounded at 6% over 15 years (depending on speed, length, hours and other operating conditions). Converting an oil hydraulic drive with low pressure sprinklers, Valley controls and the Valley drive train puts money in your pocket and provides all the benefits of electric drive technology.

\*\*All dollar amounts are in \$USD based on North American energy costs.

# Maximum Management Capabilities with Minimal Investment

- Adjust water application rate and direction of travel right from the pivot point. Put water exactly where you need it.
- GPS Positioning with multiple control panel options for easy and precise water application control.
- Easy end gun management. Change settings at the pivot point. Easily add a booster pump and an energy-saving sprinkler package for low-pressure applications.
- Electrical collector ring provides for full and part circle operation without having to disconnect the power source.
- Choose from a range of tire sizes and motor speeds for quick revolution times. Perfect for field operations and light applications.
- Remotely monitor and control your converted pivot with AgSense® Field Commander® or BaseStation3™.



## Rely on Valley

Our dealers have built their reputation on responsive service with factory-trained technicians. These full time irrigation professionals are focused on meeting your needs throughout the growing season and minimizing your downtime.

Your Valley conversion solution is designed with standard Valley components that dealers stock – ensuring parts availability. Plus, all oil hydraulic conversions are covered by the same Valley warranty available on new machines.

Valley dealers combine their product training and knowledge of local agricultural practices and field conditions with irrigation experience to design the conversion solution that's right for your field.

Contact your local Valley dealer today for more information on the simple and money-saving conversion from an oil hydraulic drive to electric, and experience the performance and reliability that only Valley can give you.



See your local authorized Valley dealer for complete details.



Valmont<sup>®</sup> Irrigation has a policy of continuous product improvement and development. As a result, certain changes in standard equipment, options, price, etc. may have occurred after the publication of this brochure. Some photographs and specifications may not be identical to current production. Your local Valley<sup>®</sup> dealer is your best source for up-to-date information. Valmont Irrigation reserves the right to change product design and specifications at any time without incurring obligations.

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