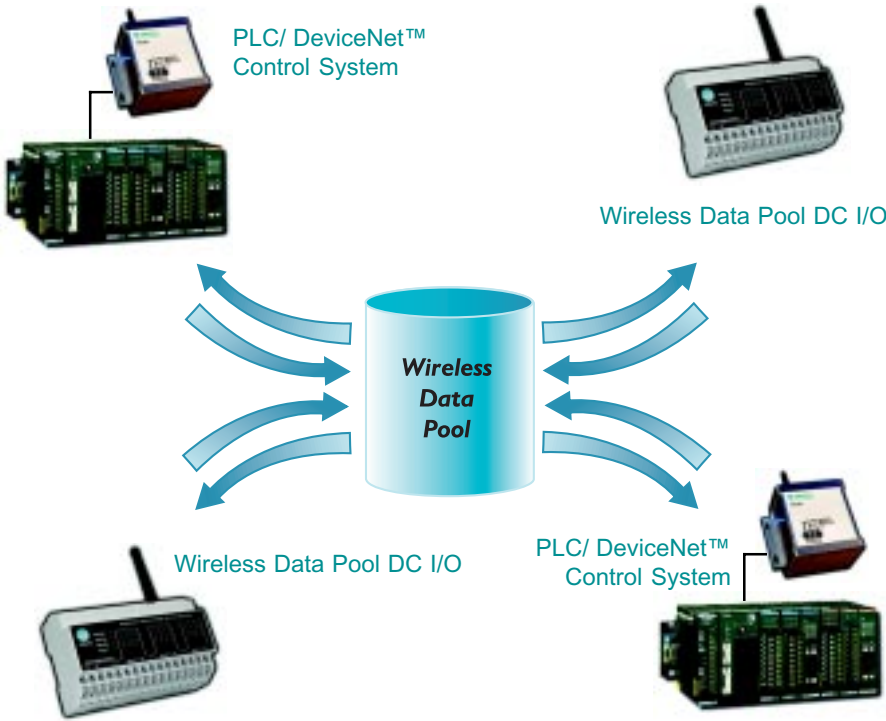


# Add the versatility and convenience of wireless I/O to your process control application.

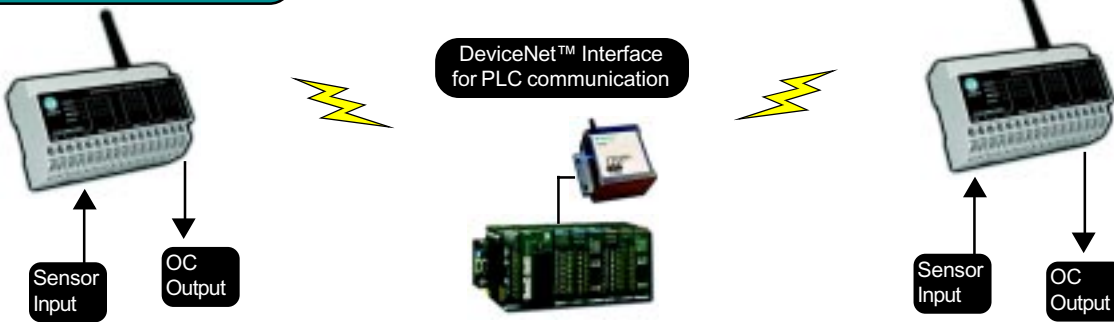
The WDP shares data between a variety of I/O and communication devices.



The Wireless Data Pool system provides a secure radio link for remote sensors or actuators. The state of remote sensors is shared in a Wireless Data Pool (WDP) where it can be accessed by output devices or PLCs. In addition, PLCs can set the state of data in the WDP in order to activate outputs. The WDP system employs frequency hopping spread spectrum radio technology to provide the most secure RF communication possible. In addition, cyclical redundancy checking (CRC) is performed to detect corrupt data messages. WDP devices have a typical RF communication range of up to 300 feet indoors.

[www.matic.com](http://www.matic.com)

## PLC to Remote I/O



Use the WDP to provide remote I/O for PLC based control systems. Multiple remote units can transmit sensor signals to the WDP and respond to PLC output signals in the WDP. Matic's Data Portal provides a DeviceNet\* interface to the WDP. Using a Data Portal, a PLC can read sensor data from the WDP or set data in the WDP to activate remote outputs. The Data Portal is ODVA Conformance Tested. Using two or more Data Portals you can create an RF link to share data between PLCs.

## Remote Sensor to Output



Use the WDP to reproduce remote sensor signals. The reproduced signal can be used as an output to actuate a control device, or as a PLC input. Matic's DCIO 600 provides 24 I/O points that can be configured as either inputs or outputs (in groups of eight). Using two DCIO 600 units you can create a stand-alone remote sensor system with bidirectional I/O.