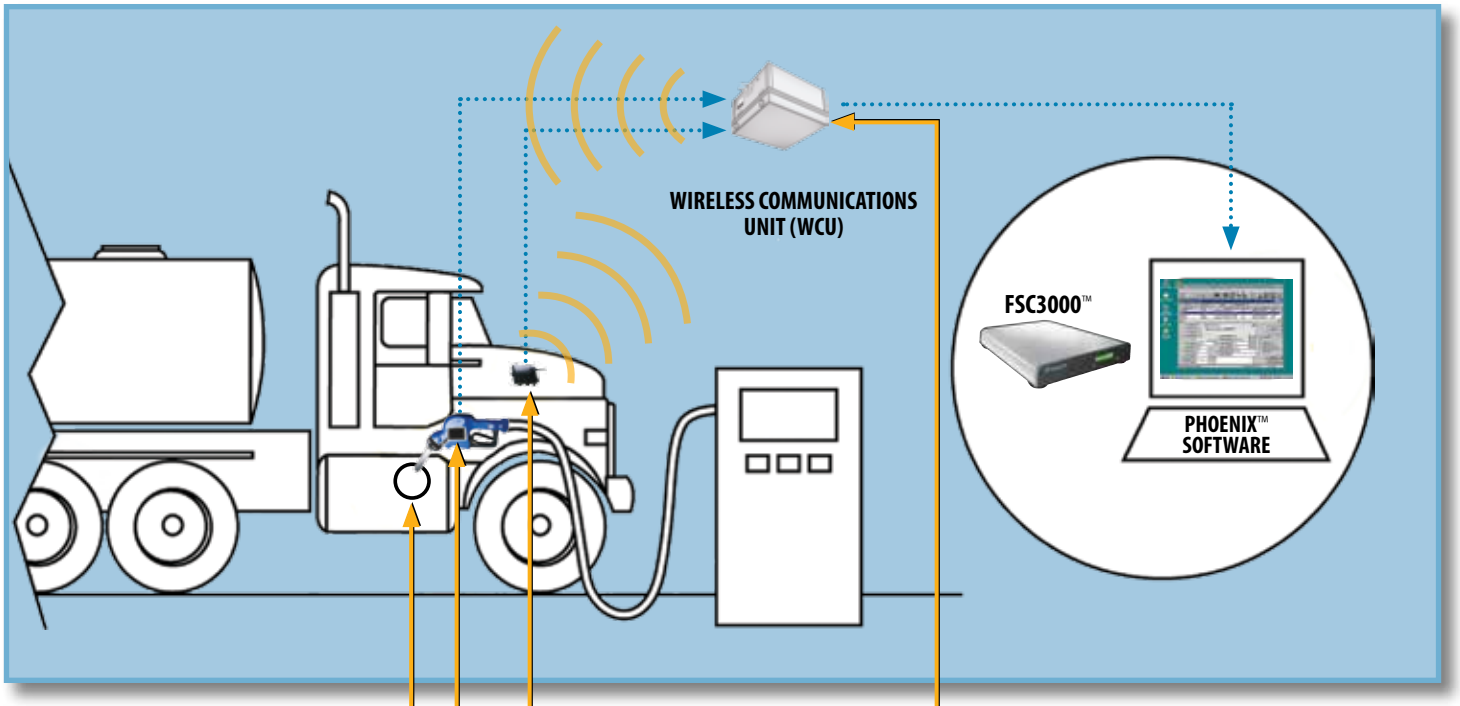
PetroLink™

Wireless Fuel Control System

- **Provides the highest level of fuel security, accountability and control**
- **No wires, special swivels or fuel authorization cards**
- **Accurately captures data without driver intervention**
- **Pull-up, fill-up and go!**



TAG - WIRELESS TANK TRANSCEIVER LOOP ANTENNA

- Mounts around vehicle fill pipe – simple, easy installation – no wiring or batteries required
- Adapts to most vehicles
- Identifies vehicle – cannot be removed without deactivation

READER - NOZZLE ANTENNA

- Wireless transceiver mounted to nozzle
- Reads vehicle RFID tag (tank transceiver) and transmits information to the wireless communications unit
- Prevents cross-contamination, ensures proper fuel type is dispensed into the vehicle

VEHICLE METER (VM)

- Odometer reading device transmits vehicle mileage or engine hours to the wireless communications unit

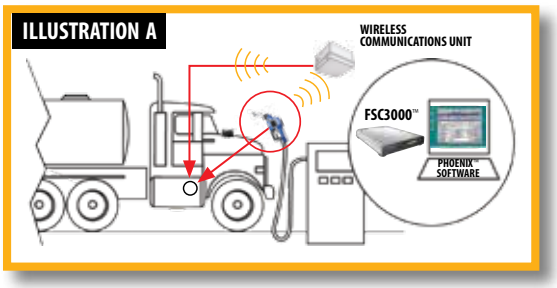
WIRELESS COMMUNICATIONS UNIT (WCU)

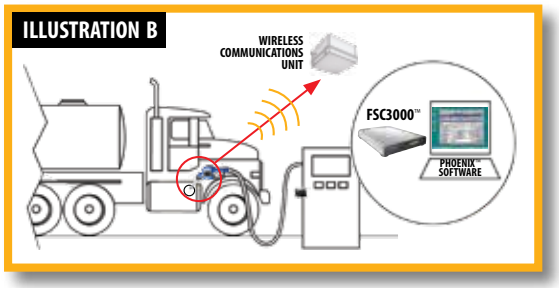
- Traffics data with nozzle antenna and vehicle meter while integrated with the fuel site controller (FSC3000™)
- Compatible with Phoenix™ fuel management software

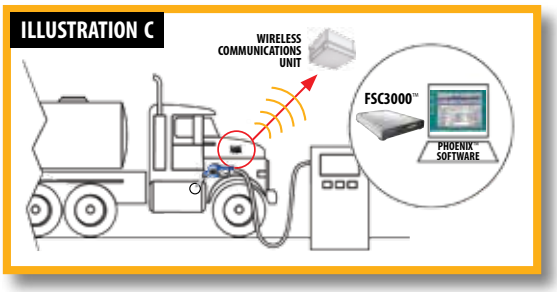
OPW®
FUEL MANAGEMENT SYSTEMS
A DOVER™ COMPANY

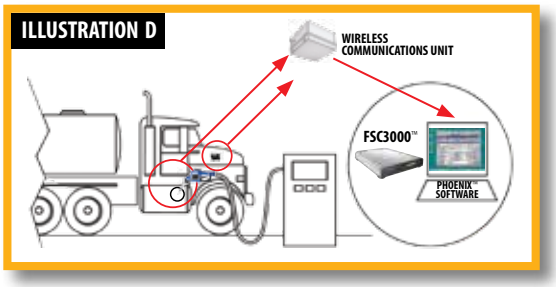
PetroLink™ Wireless Fuel Control System

How It Works









- **ILLUSTRATION A:**
  OPW-FMS PetroLink™ System is connected to an OPW-FMS FSC3000™ fuel site controller, which controls the fuel dispensers onsite.

- When the nozzle is removed from the dispenser the handle monitor unit (Reader) is activated and signals to the wireless communications unit.

- Next, the PetroLink™ wireless communications unit (WCU) seeks to locate the tank transceiver antenna installed on the vehicle fill pipe.

- **ILLUSTRATION B:**
  When the nozzle antenna (Reader) locates the tank transceiver antenna (TAG) it transmits back to the wireless communications unit (WCU), reporting the vehicle I.D. and meter number. To prevent fuel loss, if nozzle is removed from vehicle fill pipe the transaction is automatically terminated.

- **ILLUSTRATION C:**
  If optional Vehicle Meter (VM) is installed, the wireless communications unit (WCU) queries the VM to get the odometer and/or engine hours reading.

- **ILLUSTRATION D:**
  The wireless PetroLink™ application combines the vehicle I.D. and odometer reading and transmits the data to the FSC3000™ – which then activates the dispenser.

PETROLINK™ EASY INSTALLATION

STEP 1: Install Wireless Communications Unit (WCU)

STEP 2: Install antenna(s) on OPW nozzle(s) (Reader)

STEP 3: Install pre-programmed wireless PetroLink™ Tank Transceiver Loop Antenna (TAG) on vehicle fill pipe

STEP 4: Install optional Vehicle Meter (VM) – connect wires from VM to vehicle

STEP 5: Install Software (Phoenix™)

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