



The pump automation system is housed inside a weather tight box that contains a telemetry unit, solar charger, battery and panel mounted connections for:

- Digital Inputs: On/Off Conditions, Floats, Flowmeters, Etc
- Digital Outputs: Emergency Stop, Audible and Visible Alarm, Etc
- Analog Inputs: Level, Pressure, Flowmeters, Temperature, Etc
- Modbus RTU: Flowmeters, Temperature, Water Quality, Etc
- CANbus ECU (Engine Control Unit): Engine Diagnostics and Values
- Cellular w/ External Antenna: Verizon or AT&T LTE Service
- 40W Solar Panel: Connected to Pump Battery



## MONITORING & CONTROL

- Fully anonymous operation or remote operator control
- System communicates via CANBus protocol to both the panel and ECU allowing the operator to:
  - View all engine & pump data (RPM, Pressures, Temperatures, Key State, Etc)
  - Start/Stop pump engine via web dashboard
  - Ramp Up/Down pump engine via web dashboard
  - Automatically perform emergency stops
  - View translated ECU Diagnostics
- Alerts via Phone/Text/Email for start/stop, high/low, and other user definable parameters

