

UTS introduces
a remotely managed

SOLAR POWERED CHEMICAL INJECTION SKID

Onshore, Offshore , Petrochemical & Food Industries



Why use SPCIS ?

- Remotely operated
- Purposeful design
- Energy & space efficient
- Minimal on-site installation
- User experience based design
- Suitable for hazardous locations
- 24/7 service support



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A complete solution for onshore & offshore chemical injection

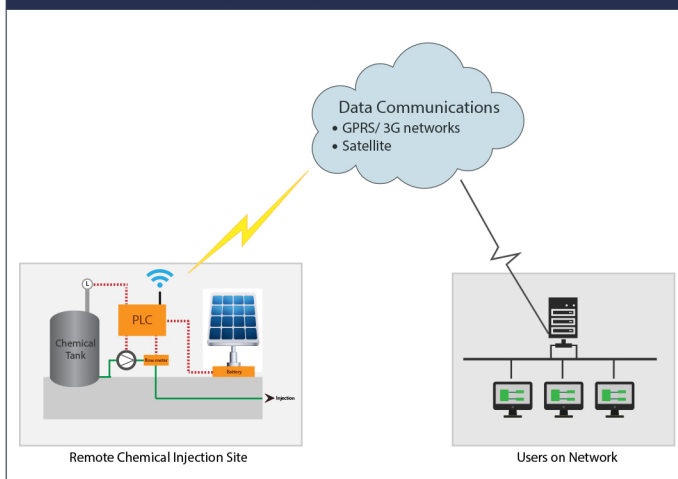
Remote Diagnostics & Control

- ✓ System communication status
- ✓ Pump status
- ✓ Tank level
- ✓ Current & actual dosing rate
- ✓ Stroke count (Pump strokes)
- ✓ Solar & battery voltage
- ✓ Ambient & internal temperature
- ✓ Reporting & Data Logging
- ✓ Multi-User

Technical Specification

Pump	Plunger / Diaphragm type continuous injection, DC brushless motor for Class 1 Div 2 hazardous locations
Dosing method	Single / Dual head pumps
Chemical Tanks	Stackable stainless steel 304/316/316L
Tank volumes	Standard sizes: 120 – 793 US Gallons (Tank size can be customized as required) *
Instrumentation	Pressure, flow, level, temperature and automated check valve for closed loop volume measurements
Skid assembly	Provision for skid mounting with containment basin having capacity to hold chemical in the event of spillage / leak
Endure	IP rated dustproof and waterproof panel enclosure.
Power	Solar panel with battery charging module for remote unmanned locations (can work on direct power) *
Data Communication	Data transfer to and from remote stations using secure GPRS / 3G / Satellite

Remote Chemical Injection System Diagram



Operating Specifications

Dosing range	As per customers requirement
Pump	Duty and standby pumps
Discharge pressure	upto 10,000 psi