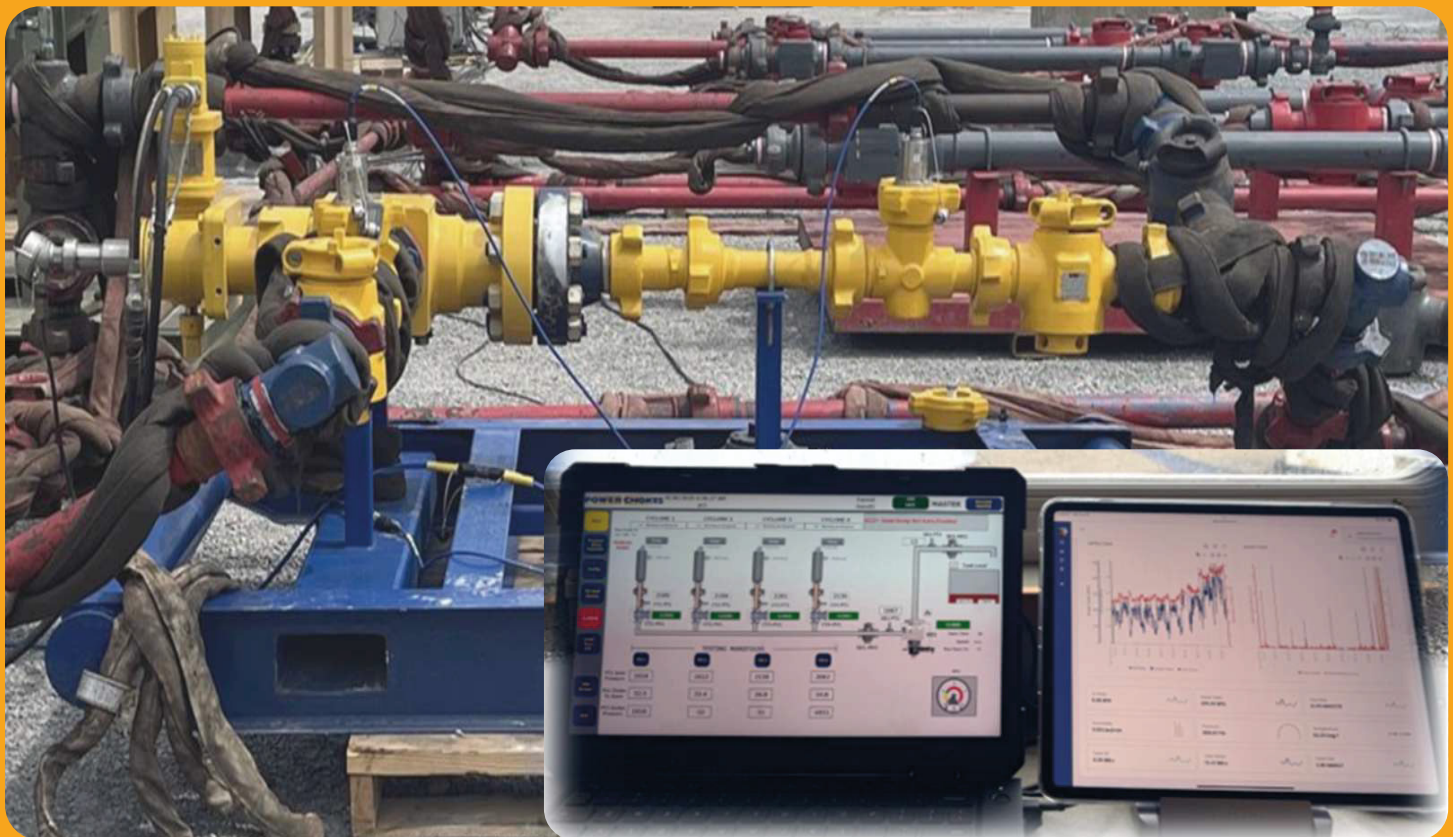




AUTOMATED SAND DUMP SYSTEM

Field-Proven Automation for Safer, Smarter Flowback

- ✓ System Options to control sand management for 4 & 8 SKO's per system
- ✓ Removes personnel from red-zone areas through fully remote automation.
- ✓ Hazardous area rated – 15,000 psi System design
- ✓ Multiple dump modes: Manual, Interval, Schedule, ΔP & Volume-based.
- ✓ 1-second hi-fi data logging & SCADA Integration - pressures, flows & sand events.
- ✓ Fast setup (<3 hour) with intuitive touchscreen interface and minimal training.
- ✓ Predictive maintenance logic detects valve, choke, and sensor wear. (OPT)
- ✓ Built-in overpressure protection for enhanced safety.
- ✓ RTOC connectivity enabling real-time monitoring, control, and support.
- ✓ Patented & Patent pending – SKO Sand dumping automation & optimization



* Patented



ADS SERVICES LLC

- SKO Sand Management – up to 4 & 8 SKO auto dumping systems
- Auto Sand Dump Choke – “SCS” 15 KPSI 1.5–2” trim (2” x 3”) – Hydraulically controlled
 - API 6A PSL3 – Control to specific Cv or bean size
 - Rapid change – reversible carbide gates & seats
 - Manual override
 - Hardened design – For flowback operations
- Plug Valves – Fig1502 15,000 PSI – Hydraulically Actuated
 - Manual override in event of hyd./power failure.
- Pressure Sensors – 15 KPSI – SKO & Sand Dumping System
- HPU – 480V 3ph, 1500 PSI – Automated Control System w/ manual override functions
- HMI – Hi resolution user interface. 110V (Outdoor optional)
 - Advanced controls with a user-friendly system interface
- SKO Dump modes: Manual, Interval, Schedule, ΔP & Volume-based.
 - Via Sensor tech or 3rd party data interface
- Data logging & SCADA Integration – pressures, flows, sand events & System Alarm
 - 1 Hz MODBUS RTU/TCP Customer Interface
 - ESD Interface – shutdown on alarm
- Predictive Maintenance – Valve & choke leakage and sensor wear
- Field wiring – Ruggedized custom system cabling. Fast & simple rig up
- ROC – Remote connectivity
 - Real-time monitoring, remote control, and system support.
 - Cell or Satellite connection required
- Tools & Spare Parts – Lock Box with Tools & Critical / Repair Spares
- Patented & Patent pending – US 12209491
 - SKO sand dumping automation, sand monitoring & flowback optimization





FIELD-PROVEN PERFORMANCE

Proven Results from U.S. Deployments – Smarter Well Testing

Real world deployment:

Well OPEX ↓ Production ↑ Time ↓

The system has automated 1000's of dump cycles across multiple pad wells, while eliminating all personnel exposure in high-pressure red-zones.

Customers achieved:

- faster sand management
- fewer maintenance interventions
- cleaner well transitions into production
- with zero safety incidents



* Patented



Customer feedback has been resoundingly positive:

"The intuitive interface and reliable choke automation saved us time, manpower, and risk. It worked flawlessly through the entire test cycle."