



# Mega Fluid Systems

## Site Equipment Audit

### SERVICE OVERVIEW

Mega Fluid Systems will perform a site audit on your installed chemical and slurry delivery systems. Included in our Site Audit will be an on-site visit by our Mega certified Field Service Engineer to review, analyze, and report the current status of your Mega equipment. In addition, Mega will generate a report with recommendations for repair, replacement and upgrades available for your Mega Fluid Systems equipment.

### BACKGROUND & HISTORY

Mega Fluid Systems has a very large installed base of Ultra High Purity Chemical and CMP Slurry mix/blend & distribution equipment worldwide. These equipment sets have exceptional uptime and MTBF characteristics. A contract with Mega Fluid Systems for periodic site equipment audits will provide a roadmap to extend the life of the equipment, recommend potential upgrades, or propose new generation replacements for your process critical chemical or slurry distribution requirements.

Mega Fluid Systems has several different legacy tool models that may carry the following company names:

- ◆ MEGA Systems & Chemicals
- ◆ Kinetics ChemPure
- ◆ Celerity
- ◆ Mega Fluid Systems



- ◆ Legacy models suitable for site audit consideration:
  - ◇ MegaFlow II, MegaFlow IIIB, IIIC & MegaFlow VI
  - ◇ MegaBlend 1100/1200/1300 Series
  - ◇ MegaBlend 2400/2500 Series
  - ◇ MegaPure 25, 50, 100, 500, 4200 Aqueous & Solvent; standard and SF models
  - ◇ MegaTrend SMSP & ATRS
  - ◇ MegaShot & DynaBlend
  - ◇ MegaView SCADA systems (MegaLink, Host & IRB)
- ◆ Mega Fluid Systems suitable for site audit consideration:
  - ◇ SBD 25, 35 & 100 Series
  - ◇ SD 50 & 100 Series
  - ◇ SA 101, 102 & 104
  - ◇ SF 100 & 200 Series

# Site Equipment Audit Summary

<b>System Name:</b>	<b>Chemical/Slurry:</b>	<b>Site:</b>
<b>System Serial #:</b>	<b>CPU Code Revision:</b>	<b>Contact:</b>
<b>Manufacturing Date:</b>		

Cabinet Condition		Electrical Components	
Cracks.		PLC – CPU/firmware S/N /rev.	
Stains.		PLC battery.	
Doors operational. (Do not open doors without customer approval since safety switches can shut system down)		EEPROM model/rev.	
		Liquid sensors mounted properly.	
		Pressure switches functional.	
Cabinet legs/feet – damaged, bent, broken, etc.		Leak detectors operational.	
		EVs/airlines/fittings – condition/function.	
Door seals, hardware & filter media		Device grounding (densitometer, EVs, photohelic, etc.).	
Safety warning labels in place			
Unplugged openings in cabinet		Device tags intact.	
Differential Pressure (photohelic) switch(s) operational.		Safety interlocks in place & functional.	
		HMI (PanelView) screen clearly legible, overall condition, firmware rev.	
Cabinet drain functional.		Wiring neat and inside wire ducts. Check for evidence of compromised cable insulation & sealing at connectors, corrosion on terminals/termination points	
Hood hinges/supports/gas lifts condition & functionality.			
Mechanical Components		Additional Comments	
Mechanical valves.		AC disconnect condition, lockout capability.	
Automatic valves.		AC line filter/line suppression.	
Regulators.		Light tower physical/electrical condition.	
Relief valves.		Component obsolescence or problematic.	
Pumps mounted solidly.		Modifications to the system by customer or 3rd party.	
Pulsation dampeners mounted solidly.			
Tanks, lids, fittings, and tank stands.			
Tubing (chemical and/or slurry carrying) – scaling, slurry hardening, chem. deposits, movement.			
Tubing – air lines (residue build-up).			
PFA vs. PVDF nuts.			
Clear PVC piping (gets brittle over time).			
Sagging/kinked tubing/pipe.			
Brackets/standoffs intact.			
Broken PVC bolts.			
Filter housings.			
Device tags.			
Service/maintenance records.			
Components obsolescence or problematic.			
Modifications to the system by customer or 3rd party.			



Mega Fluid Systems, Inc.  
 9398 SW Tualatin-Sherwood Road  
 Tualatin, OR 97062  
 Telephone 971.277.9000  
 Facsimile 971.277.9010  
 www.megafluidsystems.com

Mega Systems, Mega Fluid Systems, and Mega, are trademarks of Mega Fluid Systems, Inc. All other product or service names mentioned in this document may be trademarks of the companies with which they are associated. System descriptions are typical and subject to change without notice.