



AUTOMATED SYSTEMS ENGINEERING

Key Services

- Electrical Engineering
- Instrumentation & Controls (I&C) Engineering
- Systems Integration
- PLC & DCS Systems
- SCADA/HMI Systems
- Communications Systems
- IT & Security Systems
- Asset Management & Reliability
- Maintenance Support

MSDCG Qualifications

ASE has a **Master Services Agreement with MSDGC** to provide services for 3 categories:

- Facilities and Process Controls Integration (SCADA)
- Facility Design
- Staff Supplementation

ASE is a **Registered SBE** for MSDGC, the City of Cincinnati, and Hamilton County.

ASE worked with MSDGC to help define their **SCADA standards**.

See page 2 for MSDGC project list

Local Office

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Owner

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Statement of Capabilities

*Automated Systems Engineering LLC (ASE) has been providing professional Electrical, Instrumentation & Controls Engineering and Systems Integration services for **over 17 years**, since our formation in 1996.*

Electrical and Instrumentation & Controls Engineering

ASE provides detailed Electrical and Instrumentation & Controls Engineering services, including Systems Integration Services for DCS, PLC and SCADA Systems. We provide our clients with comprehensive services for all phases of a project, from concept through the successful startup of each system.

Systems Integration Programs

ASE is a registered solution provider for the following Systems Integration Programs:

- Rockwell Automation
- GE Proficy/iFIX
- Wonderware
- Kepware

Projects

See attachment for ASE's extensive list of MSDGC projects.

Wastewater is ASE's primary market, but we also serve many other industries. See our website at www.asenetwork.com for additional details.

NAICS Codes

541330 Engineering Services
541340 Drafting Services
541512 Computer Systems Design Services

ASE's Guarantee

ASE guarantees that we will always strive to exceed your expectations on each project from start to finish. Joe Walker, **the Owner of ASE, is personally involved with each project and will do everything in his control to ensure that your project is a complete success.**

ASE MSDGC Project List

PROJECT TYPE	MSDGC PROJECT NAME
PLC/SCADA & Electrical Upgrades	SCADA System Upgrades For East Section Wastewater Treatment Plants (for Little Miami, Polk Run, & Sycamore WWTPs) Mill Creek WWTP Electrical Power Renovations Asset Management Program Muddy Creek WWTP Electrical Upgrades Muddy Creek WWTP Facility Plan Report - Electrical Sections Little Miami WWTP Liquid/Solid Rehabilitation and Upgrade Study – Electrical Sections Little Miami WWTP Short-Circuit & Coordination Study
Screening	Werk & Westbourne EHRT - Screening System Lower Mill Creek Partial Remedy Project - Screening System
Preliminary Treatment (Grit)	Mill Creek WWTP Preliminary/Primary Treatment Improvements Muddy Creek WWTP Bundle Project - Grit System Upgrades
Primary Treatment	Mill Creek WWTP Preliminary/Primary Treatment Improvements Muddy Creek WWTP Bundle Project - Primary Treatment System Upgrades
Secondary Treatment	Little Miami & Muddy Creek WWTP Blower Energy Efficiency Upgrades Mill Creek WWTP Secondary Treatment Upgrade/Rehab
Sludge Thickening	Little Miami WWTP Activated Sludge Thickening Modifications Polk Run Thickened Sludge System Upgrades – Phase II
Sludge Handling & Receiving	Little Miami WWTP Sludge Handling Process Upgrade Polk Run Sludge Handling System Upgrades
Sludge Dewatering	SCADA Upgrades East Section - Little Miami Dewatering PLC/SCADA Sys Upgrades Muddy Creek WWTP Bundle Project - Dewatering System Upgrades
Incineration	SCADA Upgrades East Section - Little Miami Incineration PLC/SCADA Sys Upgrades Mill Creek WWTP Fluid Bed Incinerators
Disinfection	Mill Creek WWTP Disinfection Improvements
Odor Control	Mill Creek WWTP Disinfection Improvements - Primary Odor Control PLC Replacement Muddy Creek WWTP Bundle Project - Dewatering Odor Control System
Support Services	Control Systems Support Services Asset Management Support Services Pump Station Maintenance Support Services
Bundle Projects	Lower Mill Creek Partial Remedy Project - Phase 1 Tunnel Little Miami WWTP Bundle Muddy West Branch Bundle Muddy Creek WWTP Bundle Taylor Creek WWTP Reliability & Service Upgrade
EHRT Projects	Werk & Westbourne EHRT
Pump Stations	Little Miami WWTP 4-Mile Pump Station Reliability Improvements Little Miami WWTP Little Miami Pump Station Cone Valve Replacements Mill Creek WWTP Raw Sewage Pump Station Improvements Taylor Creek WWTP Pump Station Towers East Pump Station Elimination Sharon Industrial Park Pump Station Improvements
Miscellaneous	Mitchell Avenue Real-Time Control Several Asset Management Projects for MSDGC & GCWW

List includes both completed and ongoing MSDGC projects.