

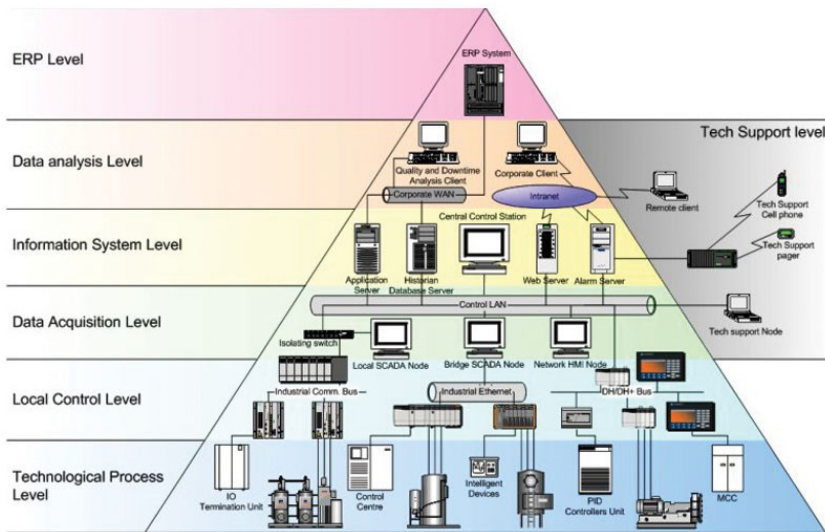
# AUTOMATION SERVICES

## INTEGRATED CONTROL & SAFETY SYSTEMS

Safe | Efficient | Quality

### OVERVIEW:

SSECI offers an extensive proven track record in automating domestic and international industrial processes for continuous and batch processes. From single loop expansions to facility wide upgrades and system replacements, our team has the experience to support your project from end device to integrated process control and safety system.



Our process safety heritage and automation roots make SSECI the ideal partner to support your upcoming automation project with a certified RAGAGEP project implementation model. Our vendor partnerships provides you with a best in class solution that leverages tested logic libraries to ensure your system is safely integrated for maximum shareholder benefit.



PIPELINE & COMPRESSION



REFINING & PETRO-CHEM



FINE CHEMICALS



PULP & PAPER



POWER & COGENERATION



WATER TREATMENT

### PROCESS EXPERIENCE:

Our engineers are skilled on all IEC-61131-3 programming languages with all major automation platforms. Our experience in implementing and migrating legacy automation and safety platforms leverages your existing data and configuration to reduce costly reverse engineering and extensive production outages associated with obsolescence migrations.

Our FEED services provide you with an accurate asset database that will provide value far beyond the automation upgrade, expansion, or replacement project. Engineering maintenance, and reliability personnel will benefit from our open database solution.

### AUTOMATION SERVICES

- ◆ IEC-61131-3 PROGRAMMING
- ◆ IEC-61511—SIS IMPLEMENTATION
- ◆ NFPA & API BMS RETROFITS
- ◆ CONTROL NETWORK FORTIFICATION & VIRTUALIZATION
- ◆ SYSTEM EXPANSIONS, UPGRADES, & REPLACEMENT
- ◆ SCADA SYSTEMS INTEGRATION
- ◆ POWER SYSTEMS MONITORING
- ◆ INTERNET OF EVERYTHING SOLUTIONS DEVELOPMENT
- ◆ LOOP TUNING & PROCESS OPTIMIZATION
- ◆ PROADVISOR PROCESS OPTIMIZATION

### PSM SERVICES & FACILITATION

### GENERAL ENGINEERING SERVICES

### CAD MODELING & DESIGN

**SSECI**

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www.sandsepc.com

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**SSECI** automation experts provide cost effective practical solution that are secure, safe, and reliable. Our alignment with major automation manufacturers provide competitive pricing with pass through warranties on parts and service.

Our streamlined work process and automated engineering systems optimize our efficiency through single point data entry and industry conforming documentation.. Our integrated Computer Aided Design system provides value from FEED through commissioning.

AUTOMATION SERVICES  
 PSM SERVICES & FACILITATION  
 GENERAL ENGINEERING SERVICES  
 CAD MODELING & DESIGN

<p><b><u>AUTOMATION SERVICES</u></b></p> <ul style="list-style-type: none"> <li>◆ PLC, DCS, &amp; HMI Programming</li> <li>◆ SCADA, RTU, FCU Integration &amp; Telemetry</li> <li>◆ BMS &amp; Fuel Gas System Upgrades</li> <li>◆ SIS System Requirements Specifications</li> <li>◆ Loop Tuning &amp; Multi-Variable Process Control Evaluation</li> <li>◆ Automation Replacement FEED Specification</li> <li>◆ Power Systems Monitoring</li> </ul>	<p><b><u>INDUSTRIAL IT SERVICES</u></b></p> <ul style="list-style-type: none"> <li>◆ Penetration Testing &amp; Root Cause Investigations</li> <li>◆ Cyber-Fortification</li> <li>◆ Server Virtualization</li> <li>◆ Internet of Everything Solutions</li> </ul>
<p><b><u>GENERAL ENGINEERING &amp; DESIGN SUPPORT SERVICES</u></b></p> <ul style="list-style-type: none"> <li>◆ Instrumentation Engineering</li> <li>◆ Electrical Engineering</li> <li>◆ Process Engineering</li> <li>◆ Mechanical Engineering</li> <li>◆ CAD &amp; Design Support Services (AutoCAD, Microstation, &amp; SmartPlant)</li> <li>◆ CAE Data Migrations</li> <li>◆ Field As-Built Documentation Services</li> </ul>	<p><b><u>FUNCTIONAL SAFETY SUPPORT SERVICES</u></b></p> <ul style="list-style-type: none"> <li>◆ Hazop &amp; LOPA Facilitation</li> <li>◆ Safety Systems Requirements Specification</li> <li>◆ SIL Calculations</li> <li>◆ Functional Safety Audits &amp; Assessments</li> <li>◆ SIF Testing Procedures</li> </ul>

**Ask our sales team how our PROAdvisor solution can deliver Overall Operational Excellence to your facility!**

**1-866-404-1845**



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