

ChemSys Consulting®



Consulting • Quality Assurance • Engineering



www.chemsysgroup.com

bizSAFE₃

Introduction

ChemSys was founded in 1998 as a support service provider to the semiconductor and microelectronics industries primarily focusing in the provision of engineering and specialized 3rd party services covering areas such as Consulting, Quality Assurance and Engineering.

With our vast experience in the marketplace, we have accumulated unique skills and expertise that enable us to provide complete solutions ranging from requirement definition, project management and total quality solutions. Our multi-discipline capabilities combined with our extensive field experience ensure a complete and seamless integrated solutions for our clients.

At ChemSys, we focus ourselves on being a leader in the executions of projects and in providing technology, quality and complete turnkey solutions that will provide added value to our client's needs. Our staff are qualified individuals with extensive hands-on experience and are certified by relevant governing bodies such as CSWIP and others. Our goal is to strive for the highest excellence and it is a commitment underlying everything we do. We develop your ideas, realize your projects, support you in the operations and ensure smooth transitions to meet all your needs.

Our key objective is to ensure optimum utilization of capital, reduction of investment risk, maximized output, minimized downtime, and ensure full compliance with all governing bodies. We are fully committed to successfully serve the industry and comply with both present and future requirements. Our principle of doing everything right the first time has earned us a reputation as the leading total solutions provider for the industry. We take pride in providing a professional, reliable and cost effective services for our clients. Whatever the scope of your needs, we have the resources, expertise, knowledge and creativity to transform your vision and needs into full reality.



- **Automotives**
- **Biotechnology**
- **Diskdrives**
- **Display Technology**
- **Environmental**
- **Food & Beverage**
- **Life Science**
- **Manufacturing**

- **Microelectronics**
- **Oil & Gas**
- **Petrochemical**
- **Pharmaceutical**
- **Photonic**
- **Photovoltaic (Solar)**
- **Power Generation**
- **Waste Treatment**

Consulting

We focus ourselves on providing the latest technology, highly innovative performance and cost cutting solutions to all type of new and existing construction sites, activities and manufacturing facilities around the world. Over the years, Chemsys have developed extensive experience and proficient knowledge in various type of industries, manufacturing process needs and requirements. We provide complete menu of services from the earliest planning stages right through final acceptance and project closeout. With our broad experience and highly skilled expertise, we are capable of meeting the myriad demands and complex issues associated with the industry. We always strive to exceed the expectations of our clients. Our unique skills lies with our ability in managing, organizing and integrating all aspects of projects, constructions and manufacturing needs.

At ChemSys, we offer total solutions to simple and complex requirements. Our technical capabilities, comprehensive knowledge and in-depth understanding of innovative technologies and complex processes eliminates problems and ensure efficient solutions for our client's most demanding requirements. The philosophy of hands-on management learned through the years has taught us many valuable lessons.

In general, we cater for all your project needs right from the planning stages and integrate all aspect of engineering, procurement, quality and construction management. We provide a broad spectrum of comprehensive services, utilizing best economical solutions to help our clients in achieving their goals of Time Efficient, Cost Effective, and Quality Excellence.



- Project Management
- Construction Management
- Facility Management
- Maintenance Management
- Commissioning & Startup
- Procurement Management
- Cleanroom Systems
- Facility System
- Process System
- Environmental System

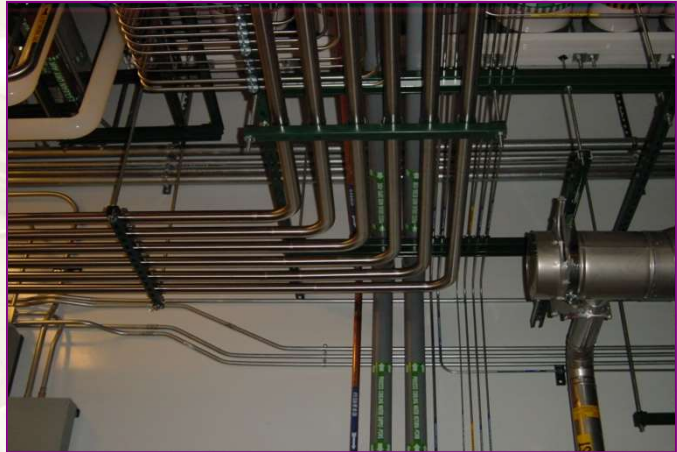


Total Quality Solutions

We truly understand the industry requirements with respect to system integrity, consistency and performance. Our quality assurance and quality control programs were developed based on the highest level of requirements by fine-tuning generally accepted industry practices with the standards and practices recommended by the relevant governing bodies. ChemSys offers complete turnkey quality assurance solutions ranging from source inspections, documentation, customize training program to system inspection, qualification, commissioning and final acceptance. Our services includes comprehensive audit and inspection on specifications, material and site activity with the goal of achieving full compliance.

Our programs and expertise provides the facility owner adequate assurance and confidence that the systems and material meets pre-stated quality standards and will perform satisfactorily during installation and operation. With the combined experience provided by participating in more than 100 related projects worldwide, our staff are able to bring a vast resource of knowledge to each project. We also have the ability and resources to help and support your needs for all type of construction and manufacturing activity anywhere around the world.

At ChemSys, we pride ourselves on the quality of our workforce, our diverse experience and vast knowledge of the industry, relevant codes, standards and local government regulations. We are well versed with the requirements of local and international governing bodies such as ASTM, ASME, ANSI, NEBB, IEST, ISO, FED209, FDA and others. Our achievements have raised product quality and improve yield as well as meeting the highest specifications and reduced the risk of failure. We are committed to continuous improvement of our service as well as the competence and integrity of our employee.



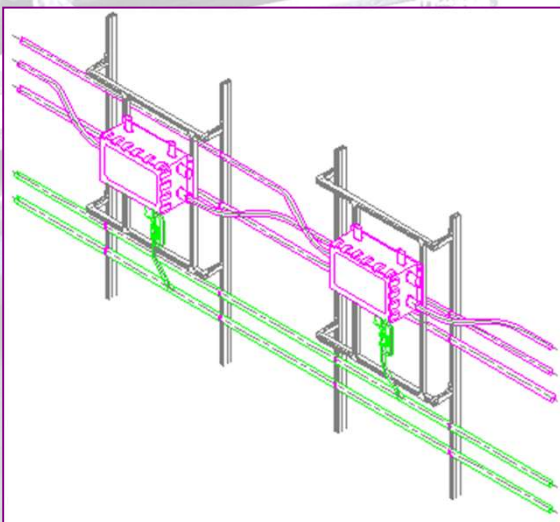
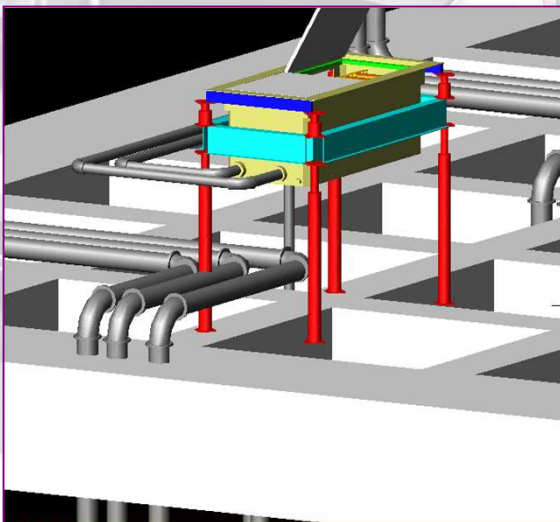
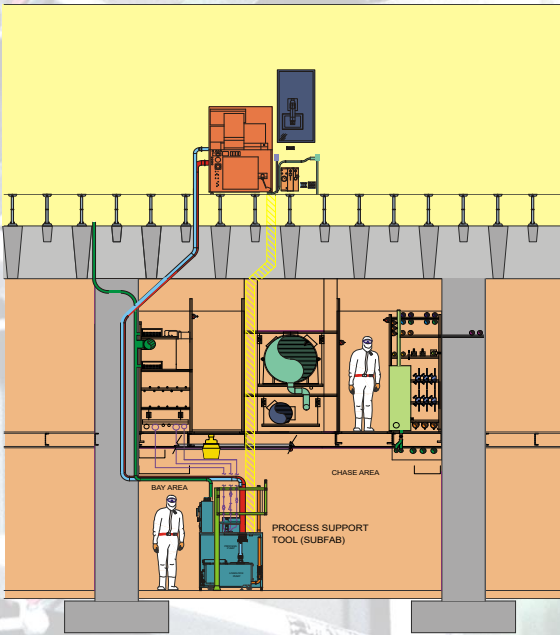
- Third Party QA/QC
- Specification Review & Development
- Material, Site & Source Inspections
- Specialized Training Programs
- Cleanroom Certifications
- HVAC Testing & Balancing
- Sound & Vibration Testing
- Material Testing & Failure Analysis
- Welding Inspection & Qualifications
- Boroscopic Inspections
- Analytical Testing



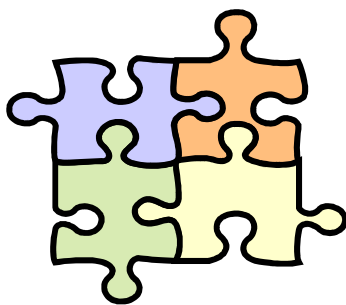
Engineering

Our integrated design and engineering centre offers the clients one stop service center that caters from conceptual design to fabrication and installation. We based our program on extremely stringent principles with precise technology specifications in a result oriented process. Our skill can cater for all your needs. At ChemSys, we utilize the latest computerized tools including CADD and CAE to meet the needs of today's engineering environment. Our engineers and designers have been at the forefront of Computer Aided Design & Drafting (CADD) since the early days.

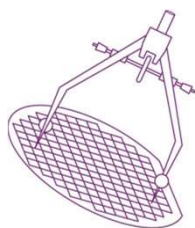
We are fully committed to work with our client and to identify and implement total value added engineering opportunities, focused not only on cost savings, but also on improving new or existing facility. We are proud of our track record and the ability to respond creatively to complex challenges in meeting the most demanding specifications and guaranteeing on time delivery of our products and services.



- Space Management
- Computer Aided Design & Drafting
- Feasibility Studies
- Quantity Surveying
- Cleanroom Design & Engineering
- HVAC System Design & Engineering
- Facility System Design & Engineering
- Process System Design & Engineering
- High Purity System Design & Engineering
- Piping System Design & Engineering
- Equipment Design & Engineering



WE HELP PUT THE PIECES TOGETHER



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