

OUR PROFESSIONAL EXPERIENCE SPANS ACROSS DIVERSE INDUSTRIES, TOUCHING THE LIVES OF CONSUMERS AND BUSINESSES ALIKE.

KEY INDUSTRIES WE SERVE:

- Dairy • Poultry • Meat
- Pharmaceuticals
- Processing Plant
- Petrochemical
- FMC • 3PL
- Hospitality & Catering

We serve as the vital link seamlessly connecting across these diverse industries, delivering a substantial and purposeful influence in each sector



OPTIMIZING  
REFRIGERATION  
OPERATIONS FOR  
A SUSTAINABLE  
FUTURE



RIYADH | JEDDAH | DAMMAM | BAHRAIN

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REFRIGERATION  
OPERATIONS

## Simplify Refrigeration Plant Operation with CGS – Effortless Efficiency

Upon establishing an operational partnership with CGS, our team of highly skilled engineers and dedicated service professionals assume complete oversight of your refrigeration facility. Renowned for their exceptional expertise, our experts diligently uphold manufacturer guidelines to ensure seamless 24/7 operations. We alleviate the operational responsibilities, empowering our clients to concentrate on what truly provides them with peace of mind or maximizes their core value proposition.

### Engaging in operation contracts through CGS offers a multitude of compelling advantages

- Ensuring that the plant operates at peak efficiency.
- Implementing optimized maintenance practices to reduce utility costs.
- Enforcing safety precautions.
- Maintaining the required room temperature for optimal performance at all times.
- Offering a tailored operation plan with flexible weekly and monthly contract options.
- Ensuring plant reliability with experienced service engineers available 24/7.
- Utilizing SCADA for enhanced operational control when available.

## Annual Maintenance Contract (AMC)

### Ammonia System Services:

- Regular Visits: Scheduled visits by experienced senior engineers and technicians specializing in both Mechanical and Automation.
- Comprehensive System Assessment: Includes thermal analysis, vibration analysis, and monitoring of power consumption to ensure optimal system performance.
- Remote Monitoring and Control Systems: Real-time monitoring and control system assistance for proactive issue resolution (if SCADA is installed).
- Onsite Training: Training sessions conducted on-site to enhance your team's system knowledge and operation efficiency.
- Preventative Maintenance: A comprehensive program to prevent system breakdowns and ensure uninterrupted operation.
- Oil and Ammonia Analysis: Regular analysis of oil and ammonia levels to maintain system integrity.
- Energy Conservation Consultation: Expert guidance on energy conservation, covering areas such as Ammonia Dryer, Purger, Heat Recovery, Variable Frequency Drive (VFD), Control Settings, and Visual Analysis of the entire plant, among others.

### Freon System Services:

- Routine Technician Visits: Scheduled visits by technicians specializing in Freon systems to maintain and optimize your equipment.
- Power Consumption Monitoring: Continuous monitoring of power consumption for efficient operation (when SCADA available).
- Remote Monitoring and Control Systems: Real-time remote monitoring and control system support to address issues promptly (when SCADA available).
- On-site Training: On-site training sessions for your team to ensure they are well versed in Freon system operation and maintenance.
- Major Preventative Maintenance: A comprehensive program to prevent major breakdowns and extend the life of your Freon systems.
- Freon Charging: Expert Freon charging services to maintain optimal system performance.

### Specialized in operation and maintenance of:

- Ammonia applications
- Central Freon Rack Solutions
- Processing Plants and storage facility
- Multi Condensing unit systems
- Water Chiller
- Small / Medium Condensing Systems