

NASEQUIP

Engineered Spray Solutions



GAS COOLING SYSTEMS solutions for Cement & other process industries

www.nasequip.in

COMPANY BRIEF INTRODUCTION

NASEQUIP Systems Private Limited are offering process calculations, engineering solutions, design, manufacturing, automation, installation, supervision, after sales services and training for developing and providing customized GAS COOLING SYSTEMS solutions for process industries such as Cement, Power Plants, Steel, Chemicals and all those areas where the gases are treated for the purpose of cleaning, cooling and conditioning.

All our **GAS COOLING SYSTEMS** are based on customer focus, quick payback period, higher efficiency, less maintenance, user friendly design with compact structure, simple operational logic and safe working conditions.

We have a remarkable broad process knowledge that leads catching up the same frequencies with our quality conscious customers.

DIRECTOR'S PROFILE



Mr. Rajendran Nair

Founder Director - **Mr. Rajendran Nair**, BE Mechanical from College of Engineering Trivandrum, India is having more than four decades of rich industrial experience. He has more than three decades of practical experience in GAS COOLING SYSTEMS and has successfully designed, manufactured and installed more than 500 no's of customized gas cooling systems in India and Overseas. Undergone training in Germany & USA for nozzles. Undergone training in Germany for DeNox Systems. Practice based knowledge is his USP. Visited Cement Plants worldwide and presented various papers in international forum.

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Mr. Manish Ganguli

Director - **Mr. Manish Ganguli** (Alumni - IIM Ahmedabad), MBA in Marketing Management has overall 25 years of enriching industrial experience and has worked with leading cement companies in near past. Undergone Training in Australia for Environmental Monitoring Systems. Presented papers on innovative monitoring and abatement technologies for emission. Participated in various international exhibitions & seminars worldwide.

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Gas Cooling System For Preheater Top Cyclone

- ◆ Reduce excess temperature
- ◆ Improve cyclone collection efficiency
- ◆ Reduce downstream fan operating power
- ◆ Overcoming Fan Coating Problems
- ◆ Production Increase
- ◆ Handling Higher Volumes
- ◆ Reduce Recycling Ratio

Gas Cooling System for Cooling Towers (GCT)

- ◆ Hybrid System
- ◆ Dual Fluid System
- ◆ Return Flow System
- Solving wet bottom problems
- Reduction in dust load on process filters
- Fan energy saving by reducing the air volume
- Efficiency Increase in bag filters/ESP

Dual Fluid Gas Cooling System for Downcomer ducts

- ◆ Solving problems of vibrations in ID fan
- ◆ Energy Saving
- ◆ Production Increase
- ◆ Handling Higher Volumes
- ◆ Reduce the Load on Process Filters

Clinker Cooler Water Spray System for Gas cooling & Clinker cooling

- ◆ Solving problems of instant temperature increase
- ◆ Fan energy saving by reducing the air volume
- ◆ Reduction in clinker temperature
- ◆ Risk at the ESP/Bag filters due to instant temperature increase by snowman and/or red river is eliminated.
- ◆ Solving problems at the pan conveyors due to higher clinker temperature

Cement Mill Water Injection System

- ◆ Solving Problem of deterioration of the cement quality due to unstable temperature
- ◆ Solving Problem of Dehydration of Gypsum
- ◆ Solving Problem of wet clogging of Gypsum

Water Injection System for Vertical Roller Mills

- ◆ Minimising Vibrations caused due to unstable raw material bed between rollers and tables

Grinding Aid System for Mills

- ◆ Improving the grinding efficiency of grinding mill

DeNox Systems (SNCR Process)

- ◆ After the primary reduction measures related to the firing process, the secondary measures (DeNox system through SNCR process) are also of crucial importance for optimal process results in Nox reduction.
- ◆ SNCR process - For the non-catalytic reaction, a reagent (aqueous ammonia) is specifically injected in the area of the optimum temperature window of approx. 950-1050 deg centigrade.

Dust Suppression Systems

- ◆ Dry fog dust suppression systems, Plain water dust suppression systems and Sprinkler systems for raw material handling plants like iron ore, gypsum, limestone, bauxite, flyash, clinker, coal and minerals associated with Mines, Steel Plants, Thermal Power Plants and Cement Plants.



Nobody knows your process and requirements better than you. Your requirements are the primary step towards a solution. Tell us what your requirements are and we will find the appropriate solution and ensure a seamless integration.
Your knowledge sharing is very important to us

Works Address

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