



**Experts in Environment  
Restoration and Protection**

PURIFY  
RESTORE  
PROTECT



## What is the basic need of today ?



CLEAN ENVIRONMENT



HEALTH



SAFETY

*Indoor Air is **100X** more polluted than Outdoor Air*

The current COVID-19 pandemic has increased the awareness of improving indoor air quality. It has brought into focus the spread of virus, bacteria and other pathogens in living and working spaces and the risk they pose for employees, workers, residents and consumers. In this situation, we cannot stress enough the importance of cleaning the ducts of air conditioning systems.

## But what do we have today ?



**Polluted Air**



**Hospital Contamination**



**Hazardous Material**



**Unsafe Kitchens**



**Non-FDA complaint Pharma Cos.**



## PROBLEMS EPSCO IS TRYING TO SOLVE

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**Commercial Offices :** SBS (Sick Building Syndrome), BRI (Building related Illness) i.e. reduced employee productivity due to ill-health, viral infection, burning eyes in the closed offices.

**Hospitals:** Increasing no. of deaths in the hospitals due to in-house (nonsomical infections) contaminated environment.

**Hotels/ Restaurants:** Loss due to Fire hazard and unhygienic kitchen. Services like Kitchen and Laundry Extraction Cleaning System, HVAC duct cleaning system and IAQ is carried out by EPSCO is in accordance with NFPA # 96 standards.

**Pharma Plants/ Food factories:** Regulatory actions by agencies like FDA for non-compliance with Industry Hygiene Standards and operational efficiency

**Hazardous Material:** Serious health impact to humans due to exposure.

**Datacenter:** Crashing of hardware equipment at datacenter due to lack of G1 environment thus impacting continuity of business and denial of hardware warranties.

**Flood & Fire Restoration:** Restoration of the commercial undertakings post flood/ fire in order to restart the commercial operations and minimize business loss and insurance claims.



**Suhel Parker**

CEO – EPSCO INDIA

A visionary and a pioneer in this field for over 15 years, he managed Middle East Markets based out of UAE and then set up the India business.

With total 30 years of experience, he has been the thought leader for creating awareness in India.

An Expert on Indoor Air Quality Management, his passion, drive, commitment and mission from the beginning, has been to gracefully nurture and develop this Industry into a standards' compliant and professionally driven industry with top priority on **Health, Hygiene & Safety**

First job executed in 2000 in India in the Breach Candy Hospital operation theater, to prepare for the then sitting PM (Mr. Atal Bihari Vajpayee) Knee Surgery.

## Colin Winning

Colin has been directly involved in US EPA (Environmental Protection Agency) certified asbestos training and OSHA (Occupational Safety & Health Administration) controlled asbestos abatement and survey projects since 2001, trained as an EPA-certified asbestos contractor, PCM (Phase Contrast Microscopy) asbestos air sample analyst and inspector/ project manager at NAETI (National Asbestos & Environmental Training Institute) in Ocean City, New Jersey, USA. Also act as trainer for NAETI, covering the Middle East Region and Asia Pacific Region.

In the last 15 years or so he has been involved in managing asbestos abatement projects, surveys and Trainings for various clients in: the UK, UAE, India, Singapore, Indonesia, Brunei, Saudi Arabia, Kuwait, Iran, Bahrain, Nigeria, Equatorial Guinea, Cote d'Ivoire, Congo, Angola, Brazil, Myanmar, Malaysia.

## Ajay Seth

Ajay has been involved with Asbestos, material according to OSHA (Occupational Safety & Health Administration) and US EPA (Environmental Protection Agency) guide lines, since 2001 and a trainer for NAETI – National Asbestos Training Institute – USA for the training courses since 2004. Ajay has done multiple courses accredited by AHERA / EPA and NIOSH fibre counting Program, for Phase Contrast Microscopy (PCM), Hazardous Waste Material Training HAZWOPER, Spill Prevention Control and Countermeasure (SPCC).

In the last 15 years Ajay has been conducting jobs and training on shore/off shore in the Dry docks, Real Estate, Oil & Gas Sector and in the Marine industry in UAE, Singapore, Malaysia, Sharjah, Oman, UAE, Saudi Arabia, Kuwait, Oman, Bahrain, Iran, Nigeria, Guinea, Point Nova), USA (New York, Texas), and France.



## BACKGROUND

**EPSCO** is the India's premier hygiene services company. It has taken years of experience and research from a dedicated, specialized workforce equipped with the most modern tools and technology, to lead this industry.

**EPSCO** has the largest team of IAQ experts and NADCA (National Air Duct Cleaners Association) certified Professionals in INDIA.

**EPSCO's** services range from Indoor Air Quality inspection to more advanced hygiene services like specialized cleaning of tanks, fire restorations. Our clientele covers a formidable number of Industrial and commercial clients, including key hotels and resorts, hospitals, school, offices and manufacturing industries in INDIA.

**EPSCO – INDIA** has also achieved the milestone of being one of the companies in India to attain a joint certification for an integrated ISO 9001:2015, ISO14001:2015 and 45001:2018 management system.

## STRENGTHS

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### + Number One

EPSCO India believes in one point contact for resolving issues related to healthier living environment with a strong technological orientation in, restoring and maintaining Commercial and Industrial spaces. It innovates, so that the best technology is applied to meet the most stringent benchmarks of services provided by us, in pushing customer experience beyond expectation and building long term relationships.

### + Number Two

The Team strives to exceed customer's expectations with in-depth domain knowledge and real world experience, and commitment towards uncompromising services. Our team comprises of experienced professionals in respective fields with credentials second to none.





## OUR POLICY

(Corporate, Health, Safety and Environmental)

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We, the owners, managers and employees of EPSCO – INDIA are proud of our profession and the professionalism we display in the field of providing Specialized Services to our customers are of the highest safety levels using environmentally friendly procedures to comply with the applicable regulations and adhering to the Local and International Standards.

We will continuously strive to achieve excellence in every activity that we undertake so that we become our customer's first choice. While meeting the customer requirements, we will endeavor to provide safe working conditions and protect People, Property and the Environment.

We shall continuously endeavor through education, teamwork and information to engage everyone to personally contribute towards continuous improvement in our Q.H.S.E Management System.

## MEMBERSHIPS

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**ISO**

9001:2015,  
14001:2015  
45001:2018



**NADCA**

NATIONAL AIR DUCT  
CLEANERS  
ASSOCIATION



**IAQA**

INDOOR AIR QUALITY  
ASSOCIATION



**IKECA**

INTERNATIONAL  
KITCHEN EXHAUST  
CLEANING ASSOCIATION



**NAETI**

NATIONAL ASBESTOS &  
ENVIRONMENTAL  
TRAINING INSTITUTE

# CORPORATE Q.H.S.E POLICY

## QHSE Objectives

- To ensure continuous improvement in Quality, Health, Safety and Environment (Q.H.S.E) Management System, we will set and review specific, realistic, measurable objectives at different functions of our organisation. Setting such objectives shall be based upon among things, relevant legislation, monitoring and measurement of business activities, analysis of our Q.H.S.E. data, results of risk assessment and aspects and effects assessment, views of customers and interested parties, training requirements and financial and technological options. To achieve the objectives we will define the responsibility and authority of personnel for Quality, Health, Safety and Environmental issues through our Q.H.S.E. Manual.

## QHSE Review Process

- This policy will be periodically reviewed to confirm its continuing suitability for our integrated Q.H.S.E. Management System.

## OUR SERVICES

### Base Service Lines (Bread and Butter)

- ✓ HVAC Duct Cleaning
- ✓ Kitchen & Laundry Extraction System Cleaning.
- ✓ IAQ Audit Consultancy and Remediation
- ✓ COVID & Microbial Surface Protection

### Premium Service Lines

- ✓ Clean Room Validation for Pharma Plants
- ✓ Asbestos Surveys & Abatement
- ✓ IHM – Identification, Regulation & Abatement of Hazardous Materials (Mercury & Lead)
- ✓ Fire & Floor Restoration
- ✓ Dry Ice Blasting Solutions
- ✓ HVAC Energy Conservation

### Future Premium Service Lines

- ✓ Soil Remediation
- ✓ Water Remediation & Maintenance – Lakes, Ponds, Water Bodies etc.
- ✓ Oil Pipeline, Diesel & Chemical Tanks Cleaning

# HVAC Duct Cleaning

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Over time, pollutants, mold, and bacteria from dirt, pollen, tobacco smoke, pet air, and dust mites accumulate in the ductwork of the heating and cooling system. These deposits combined with the temperature and moist atmosphere within the ventilation system often yield mould growth and bacterial colonies. Every time your air conditioner runs, these particles whisk through the vents and spew into the air that your family breathes. It can result in a wide variety of allergy related problems including a skin rash, frequent coughs and colds, asthma and various other allergy and bacteria related problems

Duct system functions as the respiratory system of your home / office. When it becomes contaminated and congested, it should be cleaned so it can breathe normally and efficiently.

To eliminate the high risk area of infection and allergens, the AC system requires to be properly cleaned and sanitized as per NADCA standard. Source removal is the technique used for cleaning. Special tools using air whips, rotary brushed and sometimes a robotic vehicle with a video camera are used for cleaning and sanitizing.

# HVAC Duct Cleaning



## Technicians in Action





## Indoor Air Quality

### What's in indoor air ?





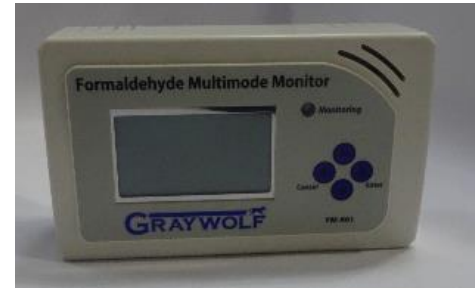
# Indoor Air Quality

Levels of some hazardous pollutants in indoor air has been found to be upto 70 times greater than in outdoor air.

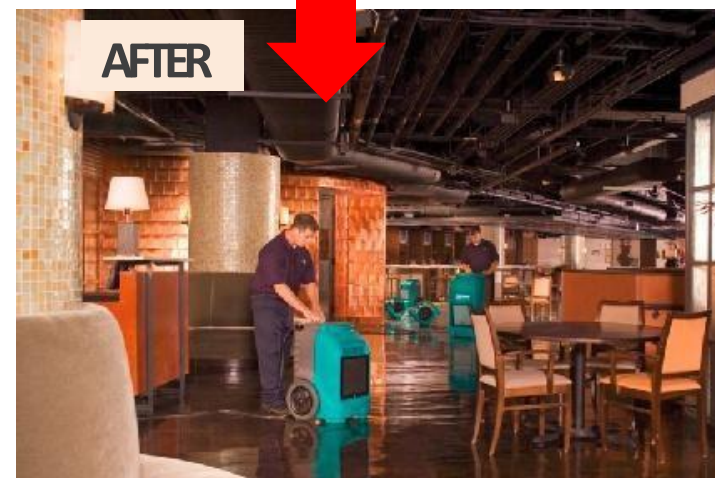
The need for clean indoor air be it offices or homes should not be underestimated, as people spend an average of 90% of their time indoors. Indoor air pollutants range from minor irritants such as dust and animal dander, to major irritants such as molds and chemical vapors that get emitted from building materials and furnishings.

According to the World Health Organization “Up to one third of buildings in industrialized countries are not fit for human use due to severe indoor air pollution”.

The buildup of bacteria and fungi that inhabit air filters, and ductwork within air conditioning systems are a major source of indoor air pollution. These microorganisms breakdown into minute organic fragments collectively known as Macromolecular Organic Dust (MOD). MOD compromises building air quality and can lead to a range of health complaints including allergies, and respiratory complaints, along with low level irritations, headache and fatigue.



## Fire & Flood Restoration



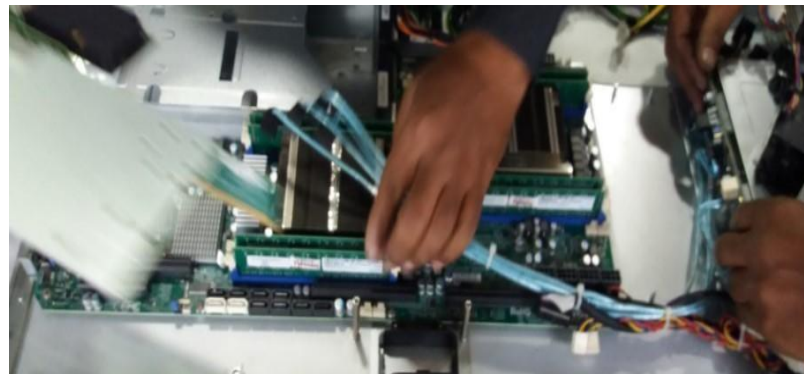
## Fire & Flood Restoration

Fire, flood and other natural calamities do more damage than meets the eye. It's not just physical damage to a property but also a huge loss emotionally. We handle the residential losses with a consideration of the trauma the homeowner is experiencing and approach commercial losses with an understanding of how business interruption and loss of revenue can affect an industrial or commercial company. In many cases, additional damage is caused by efforts to extinguish the fire using large volumes of water. Water damage to structure and contents can be extensive. Whilst secondary damage, usually caused by relatively slow response times and a failure to quickly and effectively control moisture and Relative Humidity, can be equally as damaging.

EPSCO is a trusted industry leader due to our team of dedicated and experienced professionals.

We work on call 24x7, to restore your homes or businesses to its original condition. We provide complete Emergency Cleaning Service including :

- Inspection and Assessment of Emergency Requirements
- Debris Removal
- Smoke and Odour Decontamination
- Structural Drying
- Content Restoration
- Property Restoration





## Kitchen and Laundry Extraction System Cleaning

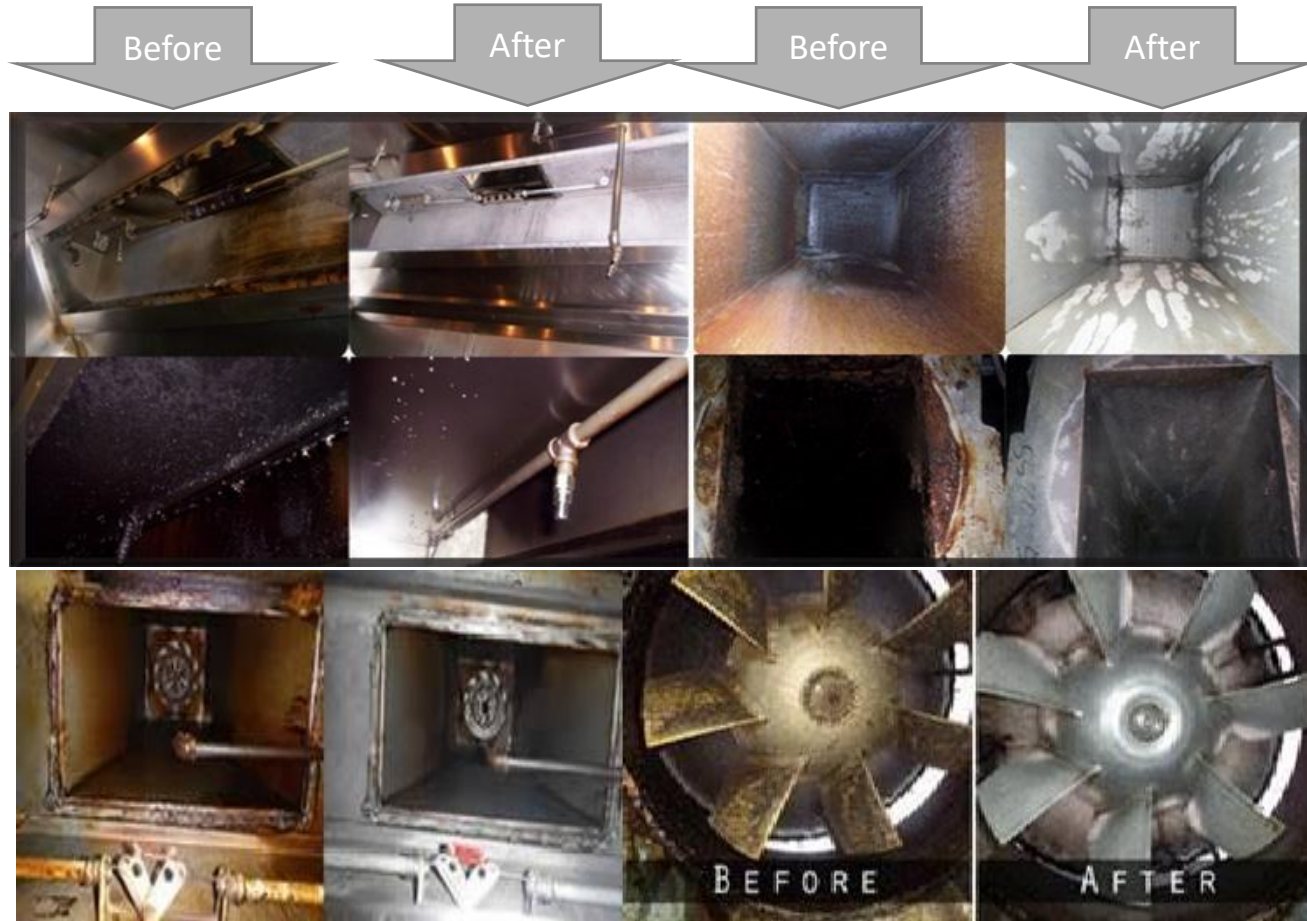
Our ever-changing multifaceted society has seen a significant change in the lifestyle of people. To cater to this every-growing section of population, the numbers of restaurants have increased and the corresponding volume of cooking has created an increase in combustible grease in kitchen exhaust systems. This means more grease build-up and consequently the risk of fire is increased proportionally. Similarly, laundry ducts, if left unclean can be a serious fire hazard. Lint and dry flammable duct accumulates in the laundry ducts.

It is imperative that all restaurants or commercial establishments need to follow a regular cleaning schedule, so that the build-up does not become too great. To prevent a fire from happening, kitchen and laundry duct should be cleaned by a professional certified company on a regular basis.

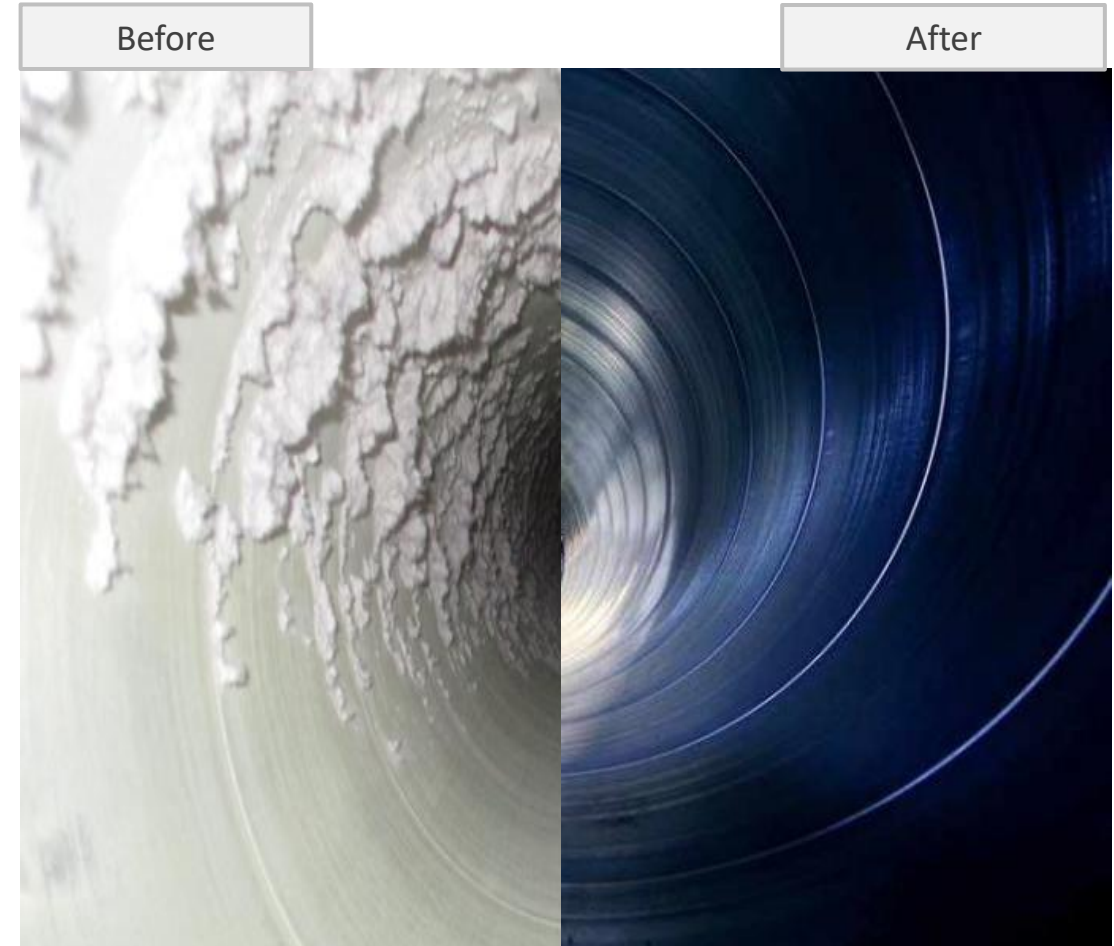
Hygiene service is carried out by EPSCO is in accordance with NFPA # 96 (National Fire Protection Association)



## Kitchen Cleaning Before & After



## Laundry Duct - Before & After





# Asbestos Abatement





# Asbestos Abatement – [Removal]

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## Asbestos Abatement – [Containment/ Disposal]

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## Dry Ice Blasting



Dry Ice Blasting is a very effective way of cleaning during the restoration process. EPSCO employs small rice size pellets of dry ice shooting them out of a jet nozzle with compressed air. It works somewhat like sandblasting or high-pressure water or steam blasting, with superior results. The frigid temperature of the dry ice  $-109.3^{\circ}\text{F}$  or  $-78.5^{\circ}\text{C}$  "blasting" against the material to be removed; causes it to shrink and lose adhesion from its sub surface. Additionally when some of dry ice penetrates through the material to be removed, it comes in contact with the underlying surface. The warmer sub surface causes the dry ice to convert back into carbon dioxide gas. The gas has 800 times greater volume and expands behind the material speeding up its removal. Paint, oil, grease, asphalt, tar, decals, soot, dirt, ink, resins, and adhesives are some of the materials removed by this procedure. Only the removed material must be disposed of, as the dry ice sublimates into the atmosphere.

## HVAC Energy Conservation Solutions

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- Over time the surfaces of air conditioning coils become dirty as the air moving over the coils contain dust, dirt, pollen, moisture and other contaminants. A build up of these contaminants decreases the available surfaces area for heat transfer, reducing the efficiency of the heat transfer process, leading to excessive energy consumption and poor system performance. It is important that air conditioning coils are regularly inspected and maintained to ensure optimum performance.
- Heating, ventilation and air conditioning (HVAC) is essential in most settings to ensure a pleasant, comfortable and safe work environment. In commercial buildings. 70% of energy usage and 63% of greenhouse gas emissions are estimated to be contributable to heating, cooling and ventilation. HVAC typically accounts for 40-50 percent of the total energy bill for businesses and commercial buildings. Any inefficiency in your air conditioning system will be shown by higher than expected electricity bills and continuous breakdowns.
- The COIL DEFENDER range of cleaners and coatings enhances systems ability to maintain a constant temperature and humidity while working efficiently. The coatings will extend the life of the unit and allow it to operate as it was designed.

## Benefits

### Environmentally Friendly

The Coil Defender Range of products is water based and Completely safe to use indoors and outdoors air conditioning units making it the only product of its type in the market.

### Improves System Efficiency

A clean air conditioning system free from corrosion reduces your electricity costs and maintenance while making your system run more efficiently. Using Coil Defender cleaners and coatings not only stops corrosion and contamination it saves your money in lower electricity costs

### Long Term Corrosion Protection

When Air Conditioning systems corrode they lose efficiency and breakdown. The Coil Defenders coatings will stop corrosion and keep your system running efficiently for years. The coating pays for itself over and over again.

### Improved Air Quality

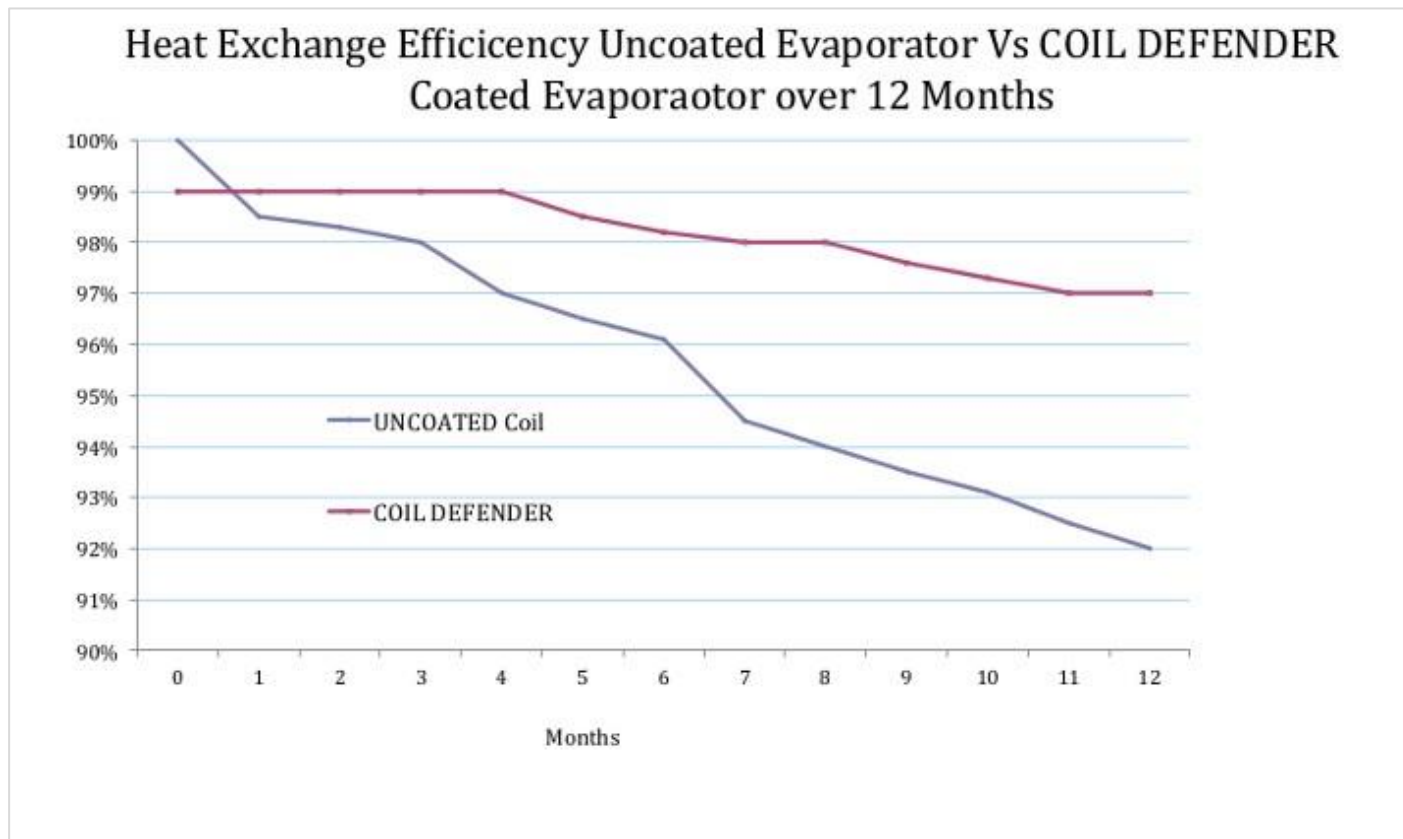
Air conditioning systems can breed mold and bacteria and become a source of odour in your property. The Coil Defender Cleaners and Coatings stop mold, bacteria and slime from growing into your system.

### Reduces Maintenance & Repairs

The Coil Defender Cleaners and Coatings not only stop corrosion but also the buildup of slime and dirt on your system. Having a clean system free from dirt and corrosion will reduce breakdowns and costly repairs.



## Graph of Energy Efficiency Coated v/s Uncoated HVAC Coil



### Comparative Data

Loss of 7% Efficiency with uncoated HVAC Coil

The data shows a comparison between a coated HVAC coil and an uncoated HVAC coil. In just 12 months the uncoated HVAC coil lost **7%** efficiency. This would equate to a higher electricity bill for the uncoated air-conditioning unit.

## Water System Cleaning

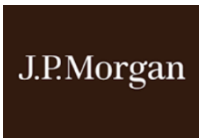


Water is a commodity that is generally taken for granted. We turn on a tap and out it pours. Unfortunately the conditions in which water is stored and distributed are often far from ideal. Because water is mostly stored in overhead or underground tanks and, it is a case of “out of sight, out of mind”.

Water tanks become contaminated with sand, dirt, insects, dead rats, birds, lizards, rust, silt and scale deposits and if they are not regularly cleaned, can cause serious illness. We clean and disinfect water tanks and pipelines, Cooling towers etc.



## Our Clientele





## CONTACT US



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Mumbai 400063



### Phone

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### Whatsapp

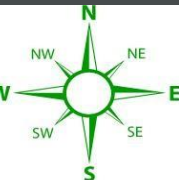
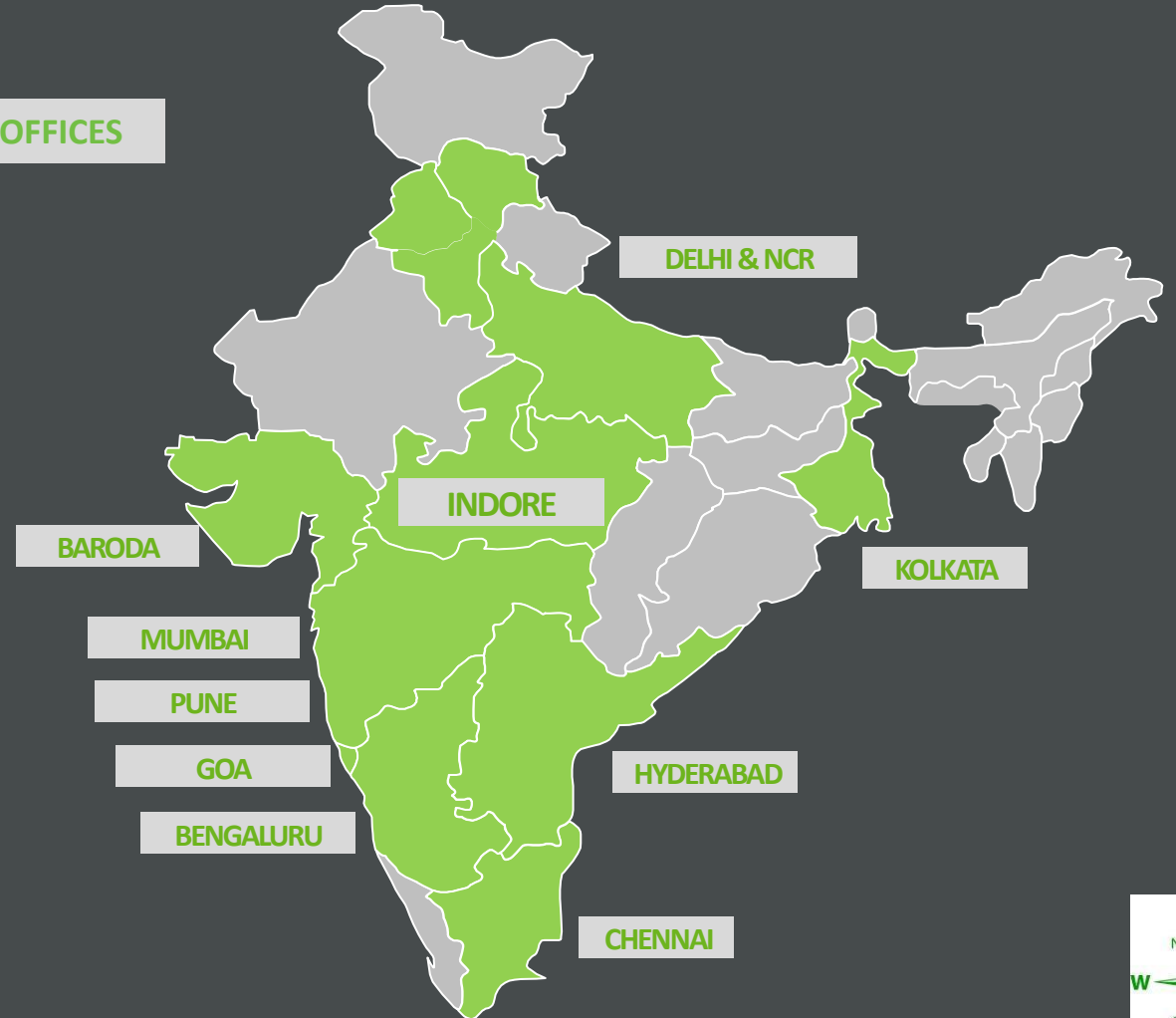
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### BRANCH OFFICES



# THANK YOU

