



**SALLERIA**

# DEHUMIDIFIERS



## INTRODUCTION

Industrial dehumidifier reduces the relative humidity of air to protect your manufacturing equipment. Since the ability of air to hold moisture decreases with decreasing temperature, the moisture in the air condenses as it passes through a cooling coil in the industrial dehumidifier. Condensate collects on the cold coil surface and is then drained away and dryer cool air remains. The air then passes through a reheat coil to bring it back to ambient temperature or above and is then forced into the molding chamber.



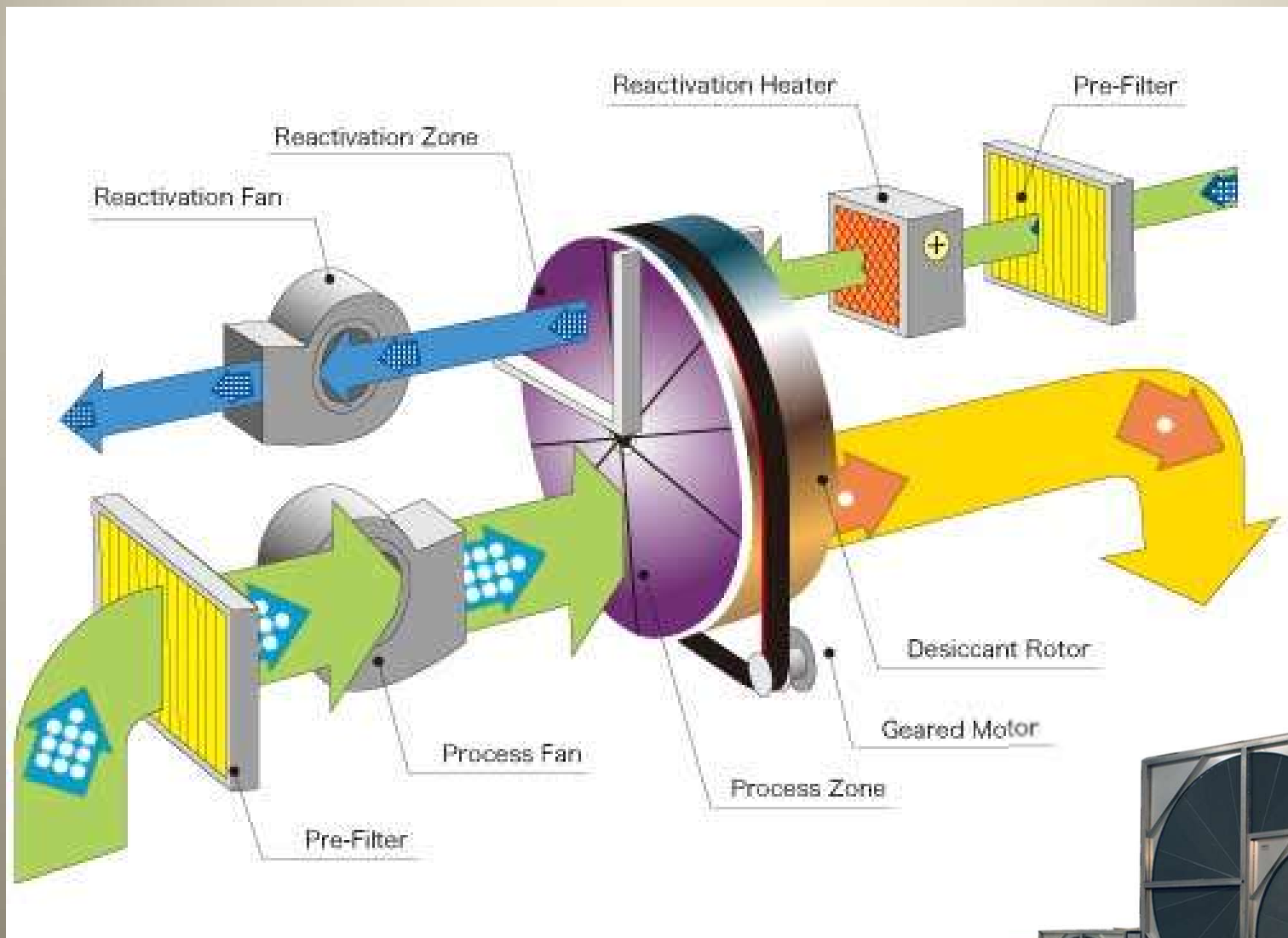
## What is Desiccant?

A desiccant is an hygroscopic substance used in an industrial dehumidifier that induces or sustains a state of dryness (desiccation) in its local vicinity in a moderately-well sealed container. Commonly encountered pre-packaged desiccants are solids, and work through absorption or adsorption of water, or a combination of the two.

Desiccants for specialized purposes may be in forms other than solid, and may work through other principles, such as chemical bonding of water molecules. Pre-packaged desiccant is most commonly used in industrial dehumidifiers to remove humidity that would normally degrade or even destroy products sensitive to moisture.

Silica gel, calcium sulfate, calcium chloride, montmorillonite clay, and molecular sieves are commonly used as desiccants.

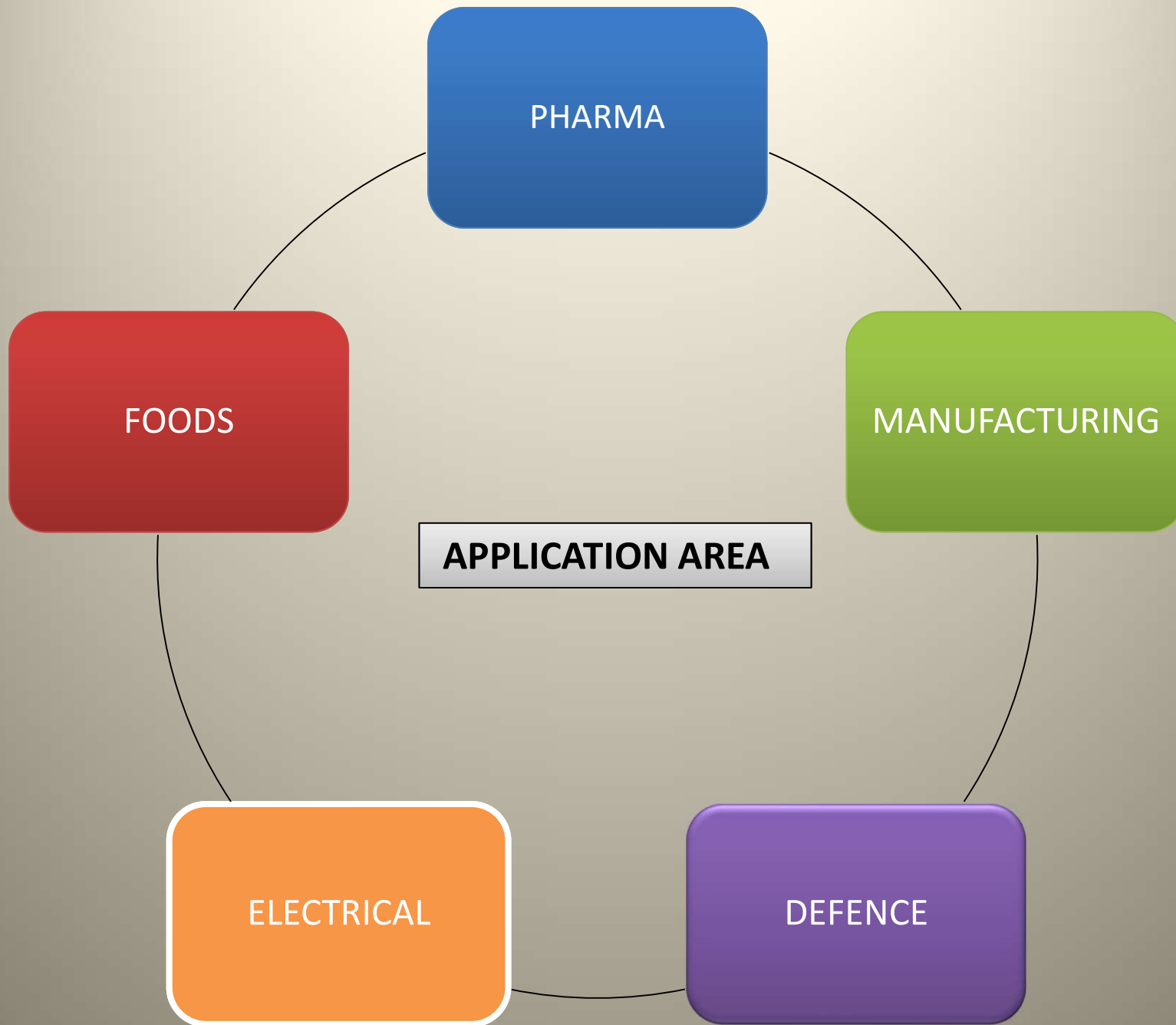
Salt itself is another effective desiccant, used for millennia in preparation of dried foodstuffs.



## Construction -

Industrial Dehumidifier includes Stainless Steel Special 304 grade body units GMP Model (Specially Designed for Pharmaceutical Industries), Pre-laminated Board Units (specially used for commercial & Residential areas) and G.I. Powder Coated Units (specially used for Wood seasoning or other Industries).





PHARMA

FOODS

MANUFACTURING

APPLICATION AREA

ELECTRICAL

DEFENCE

# PHARMA SECTOR

- Gelatin Drying
- Soft Gelatine Capsule Drying
- Ampoule Manufacturing
- Animal Rooms
- Biological Manufacturing
- Biomedical Dry Rooms
- Colloid Manufacturing
- Cough Drop Manufacturing
- Cough Syrup Manufacturing
- Diagnostic Reagent Powders
- Effervescent Manufacturing
- Gelatin (Powder) Processing
- Glandular Products
- Hypodermic Tablets
- Liver Extracts
- Manufacture of Glandular Extracts
- Manufacture of Liver Extracts
- Micro Analysis
- Milling Room
- Powder Manufacturing
- Serums
- Tablet Coating
- Tablet Compressing
- Vial Filling
- Capsule Storage
- Cryogenic Cylinder Storage/Manufacturing
- Powder Storage
- Storage of Anti Alpha Drugs
- Storage of Powder & Tablets
- Manufactured Powder and Packing Area
- Penicillin Packaging
- General Pharmaceutical

# Food & FMCG Sector

- Biscuit / Cookie Storage
- Confectionery Manufacturing
- Chocolate Manufacturing
- Chocolate Storage
- Cracker & Wafer Packaging
- Dried Vegetable Storage
- Dry Soup Packaging
- Fruit Drying/Dehydrating
- Fruit Drying
- Honey (Uncured) Drying
- Potato Chips Processing
- Dehydrated Food
- Spices / Herbs
- Vegetable Dehydration
- Yeast Making
- Sugar Storage
- Cold Storages
- Powder Food
- Mushroom Drying
- Sausage Storage
- Meat & Poultry
- Tea Industry
- Coffee Industry
- Health Food
- Seed Drying & Storage
- Dry Powder Conveying
- Food Concentrate



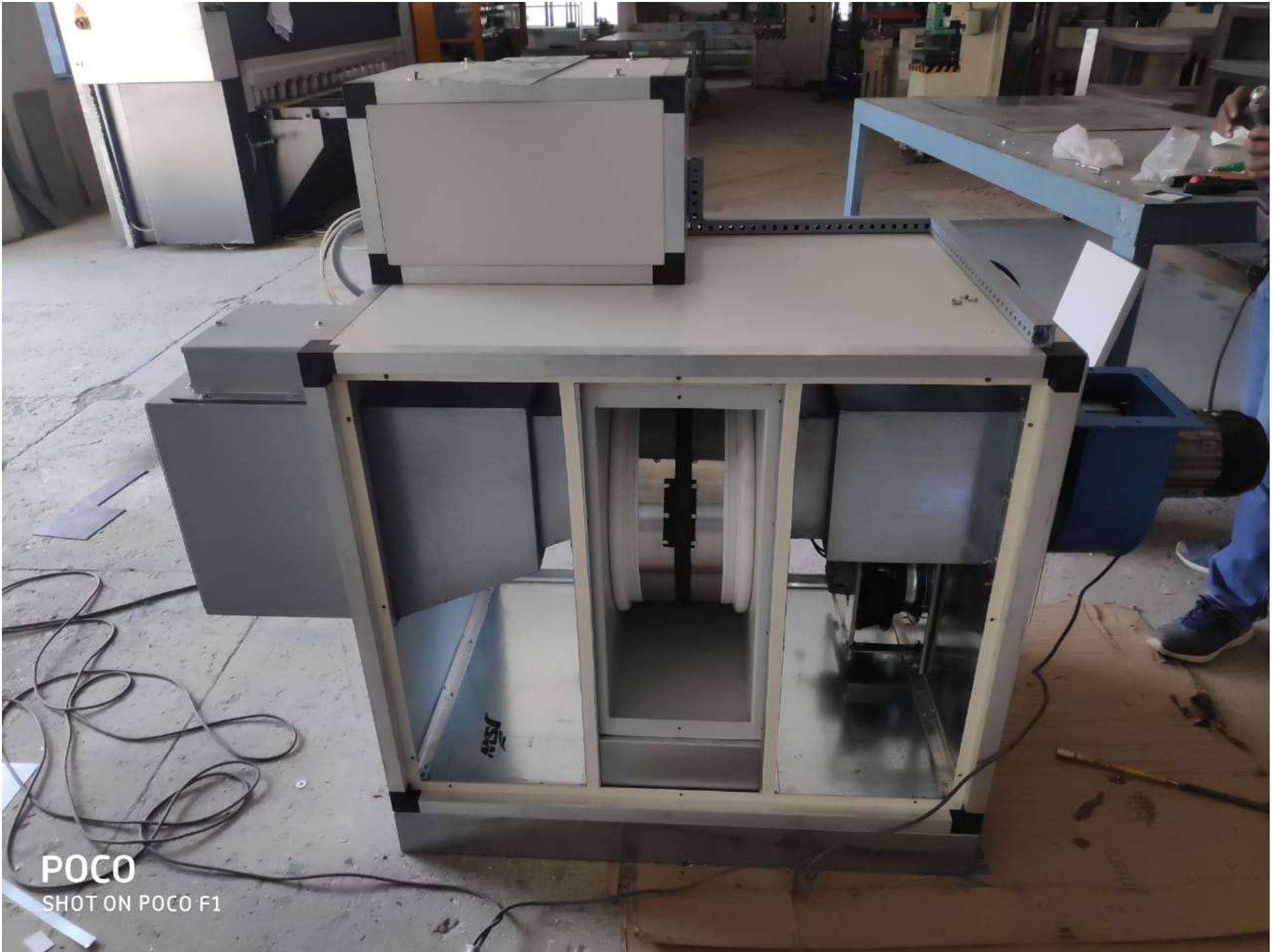
# Electronics/Electricals

- PCB Assembly
- Semiconductor Assembly
- Cable Wrapping
- Coil & Transformer Winding
- Electrical Control Panels
- Filament Winding
- Fuse Loading
- Lightning Arrestor Manufacturing
- Thermal Circuit Breakers
- Transformer Manufacturing
- Electric Transformer Storage
- Manufacturing Lab. (Elec. Instruments)
- Tungsten Filament Mfg. & Storage

# DEFENCE APPLICATIONS

Assembly of Jet Engines

- Assembly of Electronics
- Missile Assembly
- Aircraft Armament Storage
- Airplanes
- Ammunitions/Weapons Storage
- Civil Aircraft Corrosion Protection
- Gun Powder/Solid Fuel Storage
- Howitzers Storage/Layup
- Helicopter Storage
- Leather (Uniform, Boots)
- Tank & Armour Layup Preparedness
- Tank Storage
- Map & Drawing Storage
- Military Aircraft Avionics Protection
- Missile Body Welding
- Missiles
- Ships
- Spare Parts Storage
- Parachute Drying
- Propellant Mixing & Casting
- Radar Aerial Dishes



POCO

SHOT ON POCO F1



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**SOLUTIONS**