

## Professional Design Project

**Project Title** : Recovery Of Solvents From Vent Gases

**MSME Unit** : Zen Adsorptions Pvt. Ltd., Professional Engg. Solutions.

**What the company is all about?** :ZEN is established in 1995 by **N.S.Walimbe** to provide Chemical Engineering Expertise

**Services offered** :Process Engineering  
Architectural Engineering  
Civil/Structural Engineering  
Mechanical Engineering  
HVAC Engineering  
Piping Engineering  
Electrical Engineering

**Achievements** :Completion of more than 100 projects all over India  
Handling of diverse Nature of projects (Intermediates, APIs, natural extracts, food colors, APIs by fermentation, oncology products, pilot plants, R & D labs, solvent recovery plants, evaporation plants , scrubbing systems etc )

**Clients of last year** M/s. Dr.Reddy's Laboratories Ltd  
M/s. Avra Labs Ltd  
M/s. Aptuit Laurus Pvt Ltd  
M/s. Anu's Laboratories Ltd  
M/s. Lee Pharma  
M/s. Malladi Drugs (P) Ltd.,  
M/s. Natco Pharma (P) Ltd.,  
M/s. Harman Finochem

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**Industry Type** : Chemical Plant Design Consultancy, Equipment scale up and Fabrication, Manufacturers of Distillation & Evaporation Systems.

**Project Brief** : **Design of Equipment for Air Pollution Prevention as well as Solvents Recovery.**

Solvent are used in industries for manufacturing of chemicals, paints, pharmaceuticals, printing, etc.,

Normally, solvents are used as media & do not form part of the final product.

Also, during processing the solvents are lost to the atmosphere through vents along with the air.

**What is the problem occurring** : The system designed by us is large in size & needs to be made compact.

The cost needs to be reduced by atleast 35-40% to make it attractive to the customers.

**Guidance seeking for** : Design expertise assistance to reduce the cost of manufacturing and size of the equipment.

**Designer Preferences (If any)** :

Note: Kindly attached photograph relevant to the project for better understanding

