

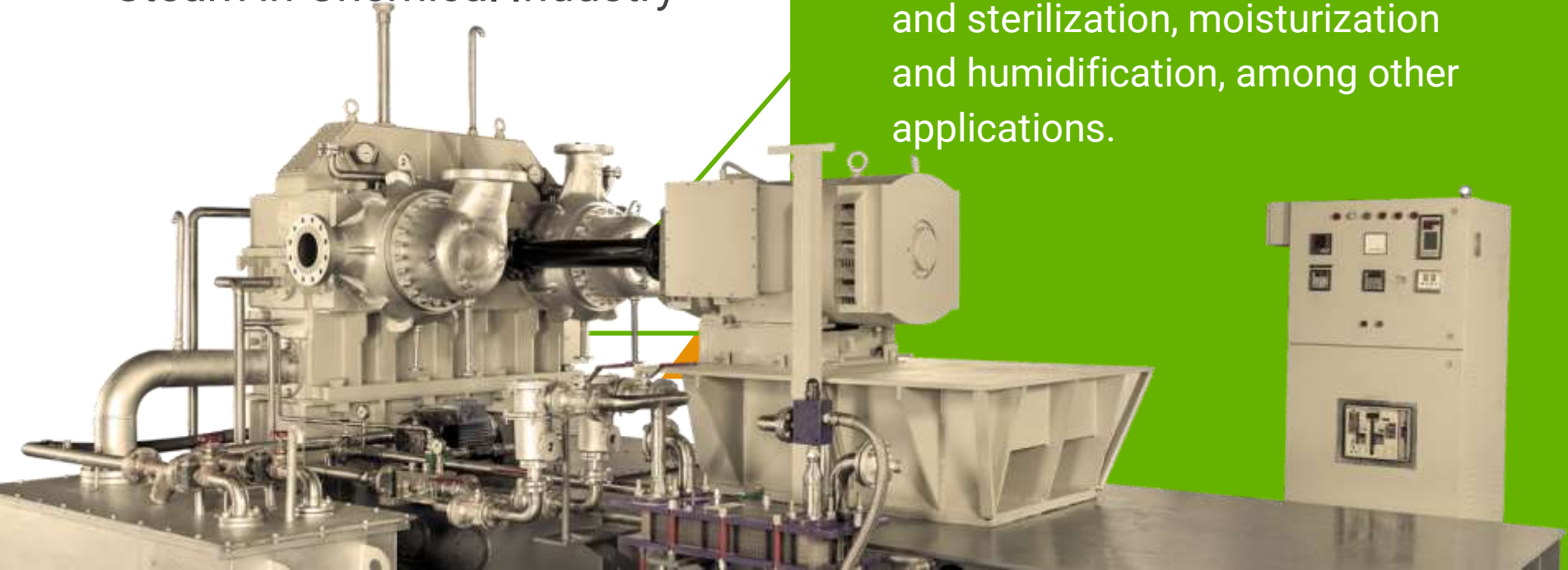
# Chemical industry case studies



# Introduction

## Steam in Chemical Industry

Steam is commonly used in the chemical process industries (CPI) for process heating, power generation, atomization, cleaning and sterilization, moisturization and humidification, among other applications.



# Case Study 1 - Fertilizer & Chemical plant in Rajasthan





# Fertilizer & Chemical company in Rajasthan

## Context

### **The company**

A well known manufacturer Fertiliser, Chloro Vinyl, Chlor Alkali & Urea. It operates with coal-based captive power.

## Solution

### **TurboTech's Turbine**

After understanding the plant's requirement TurboTech suggested a MK3 - Single Stage Back Pressure Turbine

## Impact

### **Power generation**

200kW of energy is generated from the steam that was being otherwise wasted



# Case Study 2 - Chemical plant in Gujarat





# Chemical plant in Gujarat

## Context

**The company**  
is a leading exporter,  
distributor & supplier of  
construction chemicals  
like sika , basf etc.

## Solution

**TurboTech's Turbine**  
After understanding the  
plant's requirement  
TurboTech suggested a  
MK4 - Single Stage Back  
Pressure Turbine

## Impact

**Power generation**  
760kW of energy is  
generated from the  
steam that was being  
otherwise wasted



# Case Study 3 - Chemical plant in Maharashtra





# Chemical plant in Maharashtra

## Context

**The company**  
one of India's leading  
bulk manufacturer,  
supplier and exporter of  
aroma chemicals

## Solution

**TurboTech's Turbine**  
After understanding the  
plant's requirement  
TurboTech suggested a  
Multi stage Extraction  
Back Pressure Turbine

## Impact

**Power generation**  
555kW of energy is  
generated from the  
steam that was being  
otherwise wasted





# Case Study 4 - Chemical plant in Andhra Pradesh





# Chemical plant in Andhra Pradesh

## Context

**The company** is a leading manufacturer of chemical intermediates in India, such as Formaldehyde, Hexamine and Phenolic Resin

## Solution

**TurboTech's Turbine**  
After understanding the plant's requirement TurboTech suggested a MK3 - Single Stage Back Pressure Turbine

## Impact

**Power generation**  
90kW of energy is generated from the steam that was being otherwise wasted



# Case Study 5 - Chemical plant in Gujarat





# Chemical plant in Gujarat

## Context

**The company**  
is a leading manufacturer  
of chemical  
intermediates, which  
manufactures Alcohol  
based intermediate

## Solution

**TurboTech's Turbine**  
After understanding the  
plant's requirement  
TurboTech suggested a  
MK7 - Single Stage Back  
Pressure Turbine

## Impact

**Power generation**  
265kW of energy is  
generated from the  
steam that was being  
otherwise wasted



[www.turbotechindia.com](http://www.turbotechindia.com)  
[info@turbotechindia.com](mailto:info@turbotechindia.com)

+91 6266024114

+91 6366024779

+91 9448992684

## Head Office

28, 7th Cross Rd, Central Excise  
Layout, Sanjaynagar, Bengaluru,  
Karnataka – 560094

## Production Facility

Survey No. 8/2, Honnasandra  
Village, Kasaba Hobli, Nelamangala,  
Bangalore Rural , Karnataka 562123

**Thank you**

