

CASE STUDY

A Cement Manufacturer in South Asia



Problem

- Improper control of air supply
- Air starvation as well as excess air pressure to equipment
- Higher electrical consumption
- Frequent on-off operation of compressor.

Objective

To maintain supply of compressed air at the right pressure and load

Solution

- Air audit to study the load capacity and distribution lines
- Identification of process conditions and loads
- Interlocks like air-to-close / bypass for peak demand identified
- Installation of Master Air Control(MAC) at the appropriate section of the process

Benefits

- 7- 8% savings on partial loads
- Projected savings of 12-15 % on full loads
- Improved process due to of constant air pressure supply
- Quick payback