

# The Harmony of Power



## BACKGROUND:

Fenner India is a part of the JK group of companies and is a leader in the field of mechanical power transmission and sealing solutions manufacturing products like v-belts, oil seals which are used in various industries. The manufacturing facility in Madurai is the oldest manufacturing plant of Fenner

## PROBLEM:

Fenner India uses a number of drive motors for manufacturing of its products. It was facing a problem of a significantly high rate of drive failure at its manufacturing facility. An inspection by the team revealed harmonics generated at the facility to be responsible.



## SECTOR:

Industrial / Manufacturing

## PRODUCT:

Active Harmonic Filters

## SOLUTION:

The Consul Neowatt team did a full audit of the facility and suggested a distributed AHF solution to control the harmful harmonics generated at PCC (Point of Common Coupling). This configuration would also ensure the THDi level to be less than 5% even if the load current is less than 10% of running current.

## RESULT:

There has been a significant drop in the drive failure at the facility after the installation of the AHF

