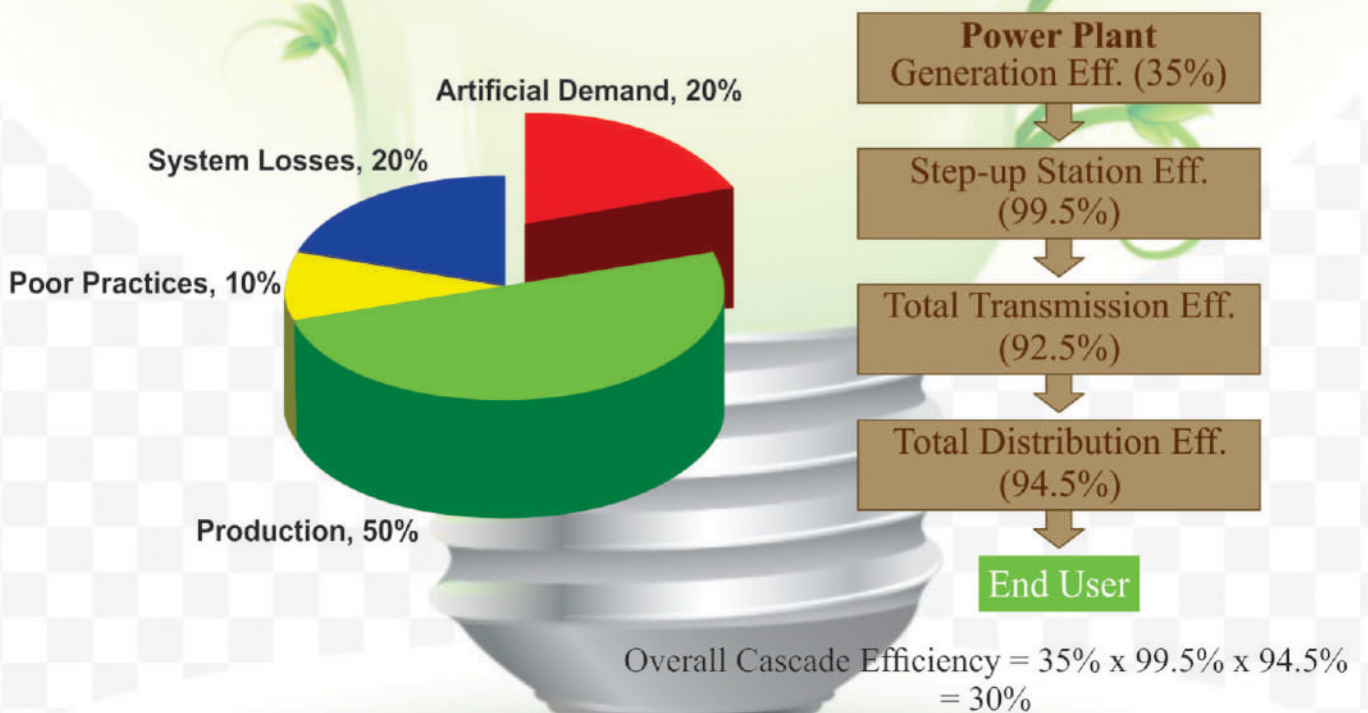
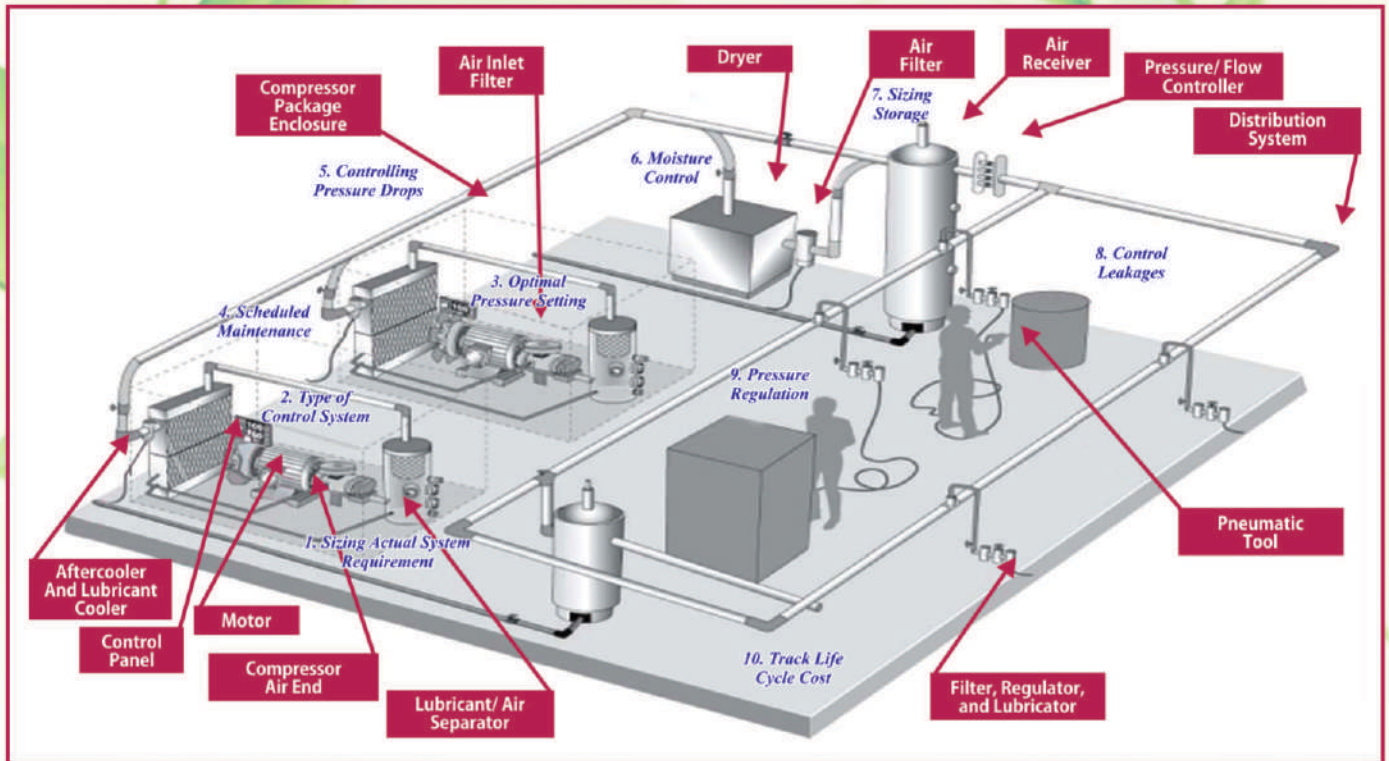




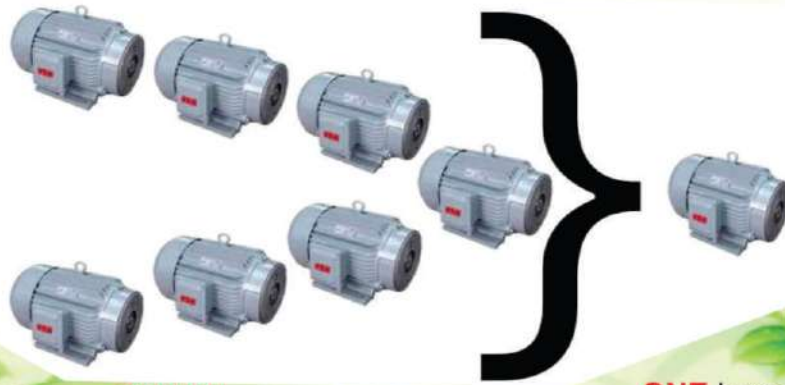
Compressed Air Resource Engineering

Manufacturing facilities spend around 30-35% of their total energy costs on compressed air alone, making an efficient compressed air system critical for maintaining a healthy bottom line.

Unfortunately, not all systems operate in the most efficient manner possible, and we see it every day - wrongly sized equipment, inappropriate usage, inefficient technology, leakages, pressure drops, poor system design, artificial demand, incorrect operating practice, poor maintenance and so on.



1 Unit Saved at User End = 3 Units Saved at Generation



SEVEN compressor horsepower

yields. . .

ONE horsepower of compressed air

500 SCFM Compressor i.e. 100HP / 75kw Motor

Running 24 hrs X 350 days @ 80% Load consumes = 5,50,000 kwh / Year

At the rate of Rs. 7.5/kwh, it Costs Rs. 41,00,000/year

Which is about 4 times the cost of Compressor itself !!

Energy Savings Opportunity:

- ✓ Every 2 psiG pressure drop in system increases total Energy consumption by 1%
- ✓ Every 100 m rise in altitude increases Energy consumption by 0.5%
- ✓ Every 4 Deg rise in inlet temperature increases Energy consumption by 1%

Scope of Work

- ❖ *Compressor FAD Test*
- ❖ *Compressor Efficiency Study*
- ❖ *Flow trending different locations*
- ❖ *Pressure profiling different locations*
- ❖ *Total Leakage Quantification*
- ❖ *System Design Study*
- ❖ *Energy Saving Recommendations*
- ❖ *Energy Conservation Projects Consultancy*



Compressed Air Resource Engineering

Add: A-101, APEX - The Kremlin,
Siddharth Vihar, Ghaziabad - 201009, U.P. (INDIA)

E-mail: compressedair.care@gmail.com : Mob: +91 99719 99557

Website: www.compairauditors.in