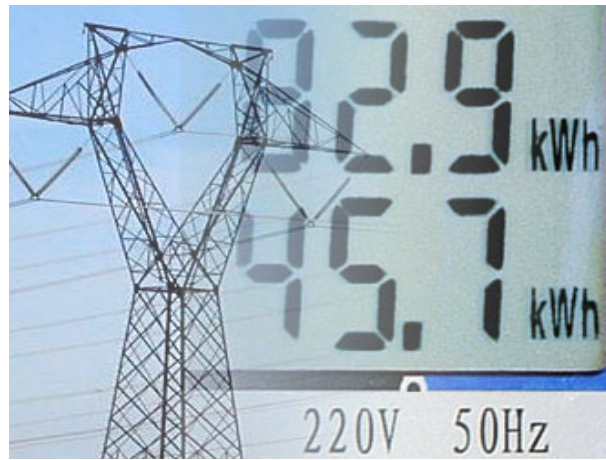


Improving Compressed Air Systems Performance

INDUSTRIAL

Our Energy Engineers conduct comprehensive *Supply Side Audit & Cursory Demand Side Evaluations* of your compressed air system. With over 100 years of experience we help you think green and save green.

- Analyze Supply Equipment
- Measure Storage Capacity
- Qualify Air Demand
- Resolve Production Problems
- Create System Diagrams
- Determine Operating Costs
- Develop Action Plans
- Provide Complete Reports



“THE GRASS IS ALWAYS GREENER ON OUR SIDE”

NEWGATE TECHNOLOGIES

OUR ENGINEERS



JIM MCAULEY, P.E.

Jim has over 34 years of engineering experience in mechanical & electrical systems design, construction, analysis & retrofit. He's a Certified AIRMaster+ specialist with the U.S. Dept of Energy & was selected by DOE as a SME in the new Save Energy Now Assessment (SENA) program. Jim has conducted over 225 system assessments & audits. He's implemented projects savings in excess of \$5M in annual purchased energy.



HARRY SHAWL, B.E.T.

Harry has over 40 years of experience in the compressed air industry in fields like machine and pressure vessel design & inspection, production planning & sales. He's conducted over 100 system assessments & audits. He uses proven power/flow data logging & modeling to accurately baseline existing system & insure improved system dynamic efficiency. He also uses his unique demand side experience to seek opportunities for improvement during every audit.



SUNDAR MYLAVARAPU, M.E.

Sundar has over 30 years experience in the compressed air industry in fields like applications, manufacturing, product development & engineering. He was associated with Flair Corporation (now SPX) for 10 years as a senior manager. Prior to that Sundar was associated with Ingersoll-Rand for over 10 years in Sales & Marketing. Sundar holds a MS in Mechanical & Aerospace Engineering from Rutgers University.



TO SCHEDULE YOUR ENERGY AUDIT CALL

407.850.9313

OR VISIT

WWW.NEWGATE TECHNOLOGIES.COM



BECOME **eco** FRIENDLY

Compressed Air Energy Audits



We take a SLICE out of your energy bills

NEWGATE TECHNOLOGIES ENERGY ENGINEERS






AN ECO FRIENDLY BUSINESS
IS THE HEART OF A PERFECT WORLD.



Become Energy Wise! 407.850.9313

THINK

NEWGATE TECHNOLOGIES

 Make changes now to help reduce your carbon footprint and save money.

WHY AN ENERGY AUDIT?

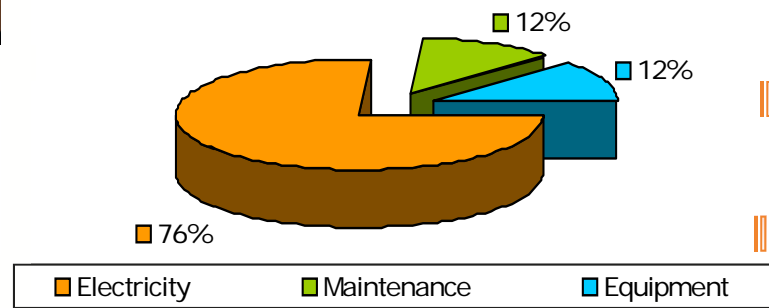
Our **compressed air audits** can get a handle on the true cost of compressed air and can help management make the correct decisions regarding allocation of capital to improve operational efficiency.

NewGate Technologies energy engineers and audits can help you reduce compressed air operating costs, improve production, reduce product scrap, and help preserve our environment by becoming a green business.

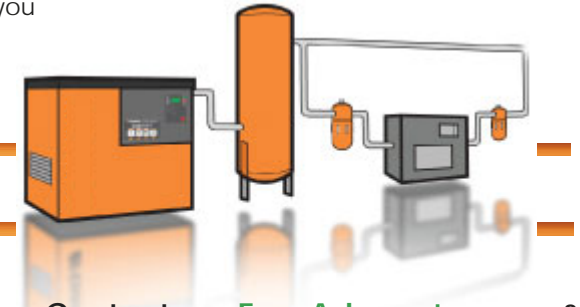
INCREASE EFFICIENCY. PEAK PERFORMANCE. PEACE OF MIND

Compressed air systems have been identified by the US Department of Energy (DOE) as the single largest opportunity for savings in the industrial electric motor driven sector of the economy. Most user organizations are not focused on the true costs of compressed air and are instead concerned only on the capital and maintenance budgets. They consider utility costs, such as Electrical Energy costs for compressed air, as just a *per production unit* cost. Indeed, when life cycle costs are evaluated, it can readily be seen that most of the cost of compressed air is in "Electrical Energy Costs":

Typical Compressed Air System
Costs Over 10 Years



Source: USDOECompressedAir Challenge



Contact our **Eco-Advocates** now & take control of your energy costs!

407.850.9313 *code ECO10*

info@newgatetechnologies.com



Every 100 HP compressor operating on 8-hour shift, 5 days/wk, has an energy cost of \$20,000/yr (based on \$0.10 per kWh). A 300 HP operating on 3 shifts, has an energy cost of \$180,000 for compressed air alone!



According to the US DOE, 95% of all manufacturing plants waste more than 25% of their compressed air. Many plants (65%) waste as much as 50% of their compressed air.



Poor quality compressed air and pressure fluctuations dramatically affect production by increasing *Maintenance of production equipment, Downtime and Scrap rates.*



Think green. Save green.