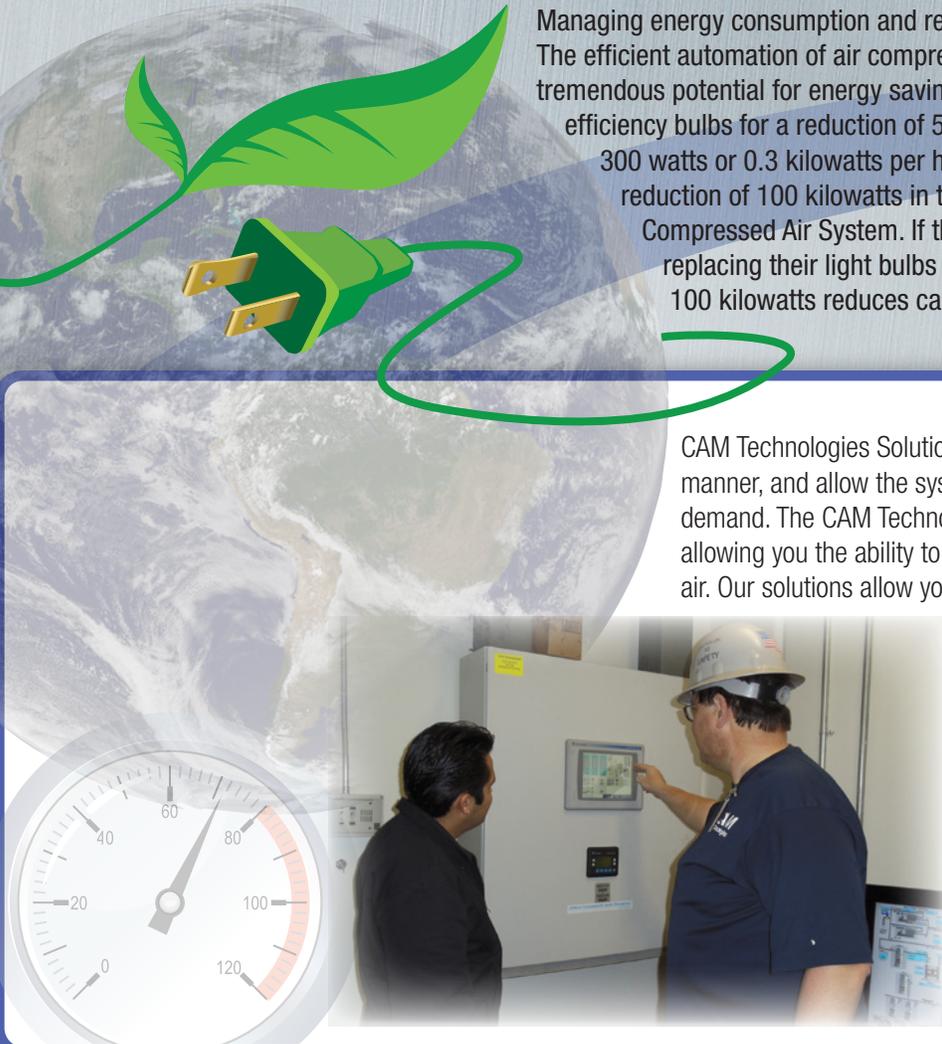




Compressed Air System Management

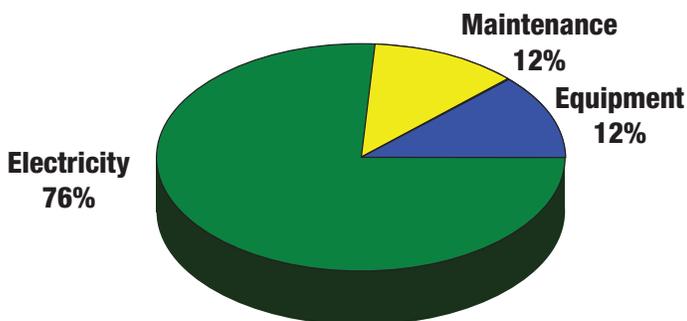
Managing energy consumption and reducing costs are key to any corporate green strategy. The efficient automation of air compressor systems has long been a target because of the tremendous potential for energy savings. If 333 homes replaced six lamps with high efficiency bulbs for a reduction of 50 watts each, for eight hours per day, the savings is 300 watts or 0.3 kilowatts per house. CAM engineers' experience shows an average reduction of 100 kilowatts in the typical U.S. manufacturing plant by improving the Compressed Air System. If the plant operates 24/7, it would take 1,000 homes replacing their light bulbs for an equivalent energy reduction. A reduction of 100 kilowatts reduces carbon emissions by 673 tons annually.

CAM Technologies Solutions allow you to make compressed air in an efficient manner, and allow the system storage to satisfy short term volatility (spikes) in demand. The CAM Technologies Solution isolates the supply from demand allowing you the ability to make smart decisions about how and when to make air. Our solutions allow you to accomplish your work using a reduced demand side pressure. By running your facility at a lower pressure you are able to realize savings in many ways, with energy costs just the beginning. With properly engineered mechanical systems in place CAMLink™ controllers can be tailored to meet broader system demands, while recognizing multiple compressor dynamics and unique application requirements.



Compressed Air Costs in Perspective

Cost over 10 Years



In US manufacturing, compressed air systems account for \$1.5 billion per year of energy costs and 7 million metric tons of total US carbon emissions (0.5% of total US emissions). Electricity typically represents three-quarters of the cost of a compressor over a 10-year period, yet equipment is usually purchased on a lowest-first cost basis without regard to cost of operation. The performance of a typical compressed air system can be improved by 20-50 percent through the application of system optimization solutions offered by CAM Technologies.