

# Cost-Savings through Energy Conservation

Reduce Energy Consumption, Reduce Operating Cost



*Evaluation | Analysis | Solutions | Implementation*





**ENERGY  
SERVICES TEAM**

Let the Motion Industries Energy Services Team (EST) help you reduce energy costs with a broad range of services. Our dedicated energy professionals can evaluate your plant's compressed air, lighting, steam, water, HVAC, refrigeration, mechanical, hydraulic, and power quality system inefficiencies.

Following the assessment, the EST will provide you a comprehensive report with energy-efficient and sustainable energy solutions—specially customized for your plant. The EST and your local Motion branch will provide ongoing support to help you execute these solutions.

The savings do not have to end there. The EST will help you take advantage of energy procurement trends as well as work with your power company to identify potential incentives for all energy projects.

**Call.** 855-491-6659

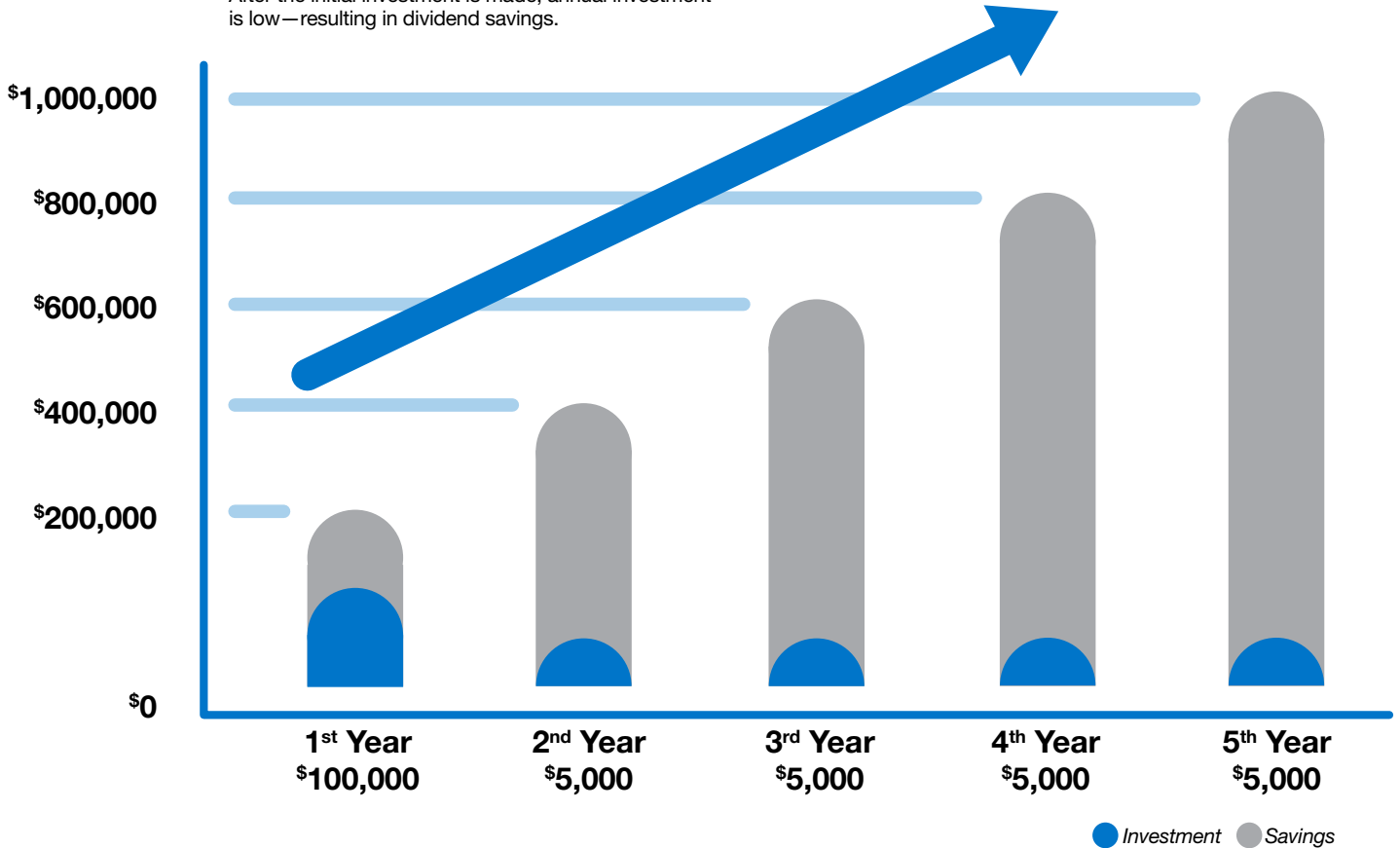
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# CUMULATIVE ENERGY SAVINGS

After the initial investment is made, annual investment is low—resulting in dividend savings.



Start reducing your energy costs now with Motion Industries, the only company in North America that represents the diverse range of products and suppliers required to lower your operating cost, decrease downtime and maintenance resulting in less inventory turnover.





## COMPRESSED AIR

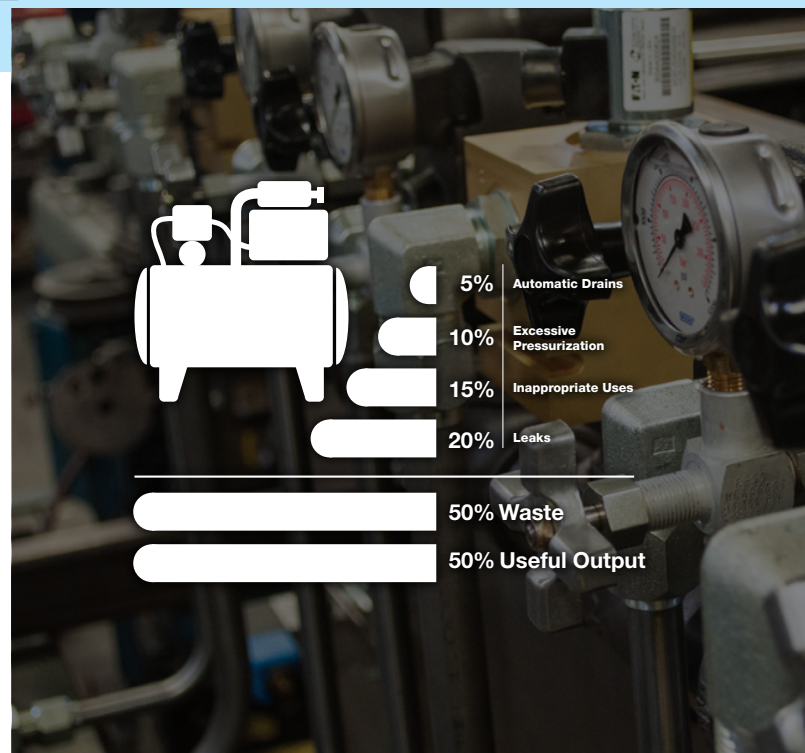
Motion Industries' Energy Services Team will analyze and offer solutions for every aspect of your compressed air system and will recommend solutions to achieve maximum energy efficiency throughout your plant.

### Assessment Includes

- ✓ Infrastructure, storage, and pressure drop
- ✓ Compressor operation and sequencing
- ✓ Flow, pressure, and power measurements
- ✓ Dew-point and air quality testing
- ✓ Leak detection
- ✓ Inappropriate use evaluation
- ✓ Machine specific analysis

### Reporting Includes

- ✓ Complete report and executive summary
- ✓ Improvement proposals
- ✓ Potential energy savings
- ✓ Available turnkey solutions
- ✓ Detailed leak list



## ELECTRICAL SYSTEM EFFICIENCY & POWER QUALITY

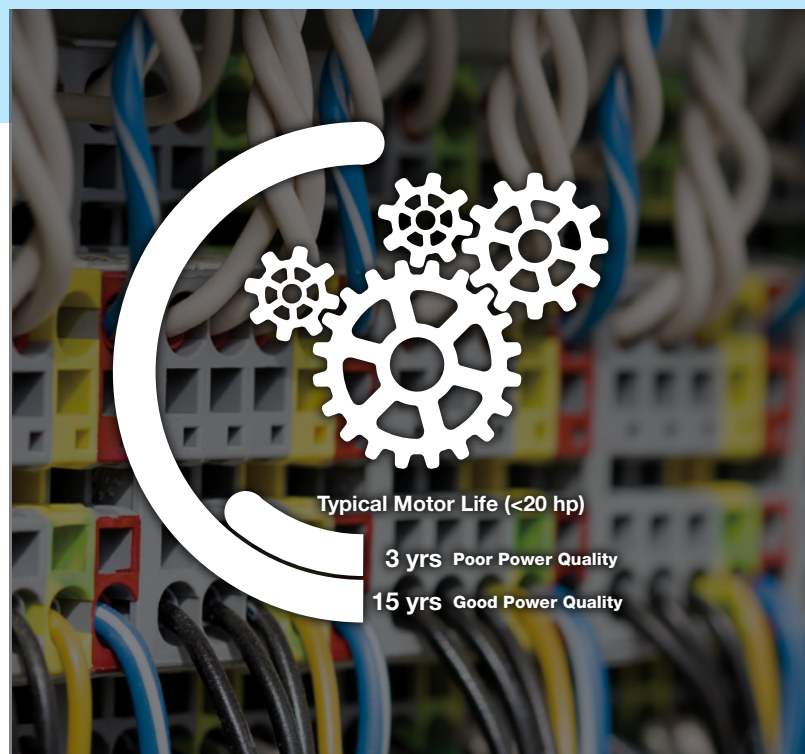
To help you reduce your facility's energy consumption and improve quality and system reliability, Motion Industries Energy Services Team will assess the electrical loads in your facility and will design and install the most practical and beneficial solution. Additional benefits include longer equipment life, fewer motor replacements, and lower maintenance and repair costs.

### Assessment Includes

- ✓ Power quality measurements
- ✓ Utility bill analysis
- ✓ Inventory of equipment/loads
- ✓ Infrared thermography analysis
- ✓ Recommended measures with savings and payback analysis

### Reporting Includes

- ✓ Solution engineering and design
- ✓ Turnkey installation costs
- ✓ Measurement and verification of savings
- ✓ Savings guarantee





## ENERGY PROCUREMENT

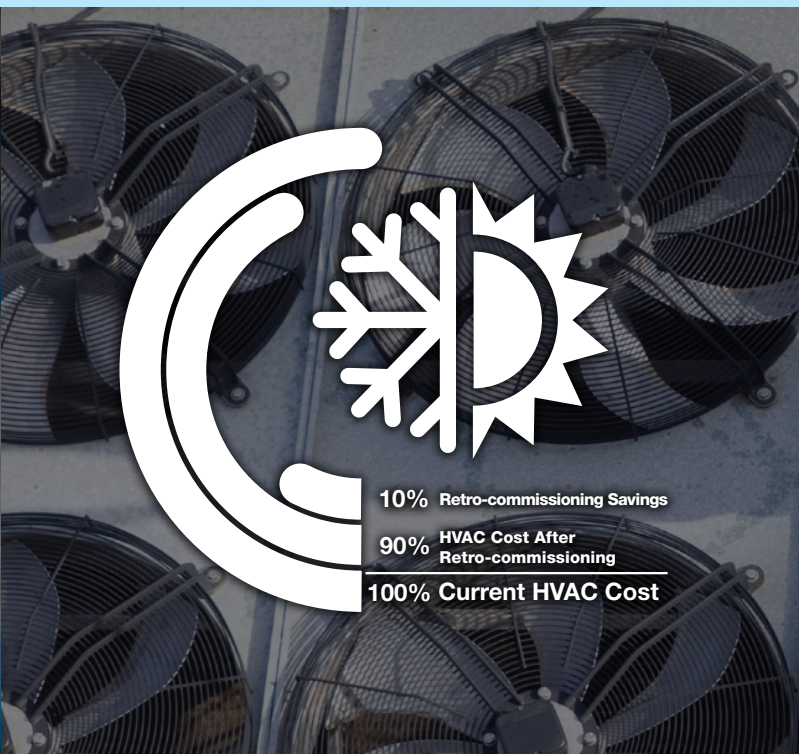
Facilities can save costs on electricity and natural gas by purchasing energy through a third-party supplier in deregulated states. Reduced costs typically represent 7-25% of utility spend, and the Energy Services Team will help pave the way.

### Assessment Includes

- ✓ Natural gas and electricity bill review
- ✓ Analyze usage demand and utility rate
- ✓ Develop short and long term strategies
- ✓ Seamless transition of accounts

### Reporting Includes

- ✓ Comparison of suppliers
- ✓ Current vs. future costs
- ✓ Budget targets
- ✓ Reduction of cost



## HVAC & REFRIGERATION SYSTEMS OPTIMIZATION

Another potential cost-savings can result from an HVAC and refrigeration system assessment. After evaluating your facility, Motion Industries Energy Services Team will design and install solutions to reduce energy consumption, improve occupant comfort, and improve process efficiencies. Solutions include retro-commissioning, air-side economizers, variable frequency drives (VFDs), evaporative precooling, energy recovery, and controls programming.

### Assessment Includes

- ✓ Utility bill analysis
- ✓ Inventory of HVAC and refrigeration equipment
- ✓ Recommended measures with savings and payback analysis

### Reporting Includes

- ✓ Retro-commissioning costs
- ✓ Solution engineering and design
- ✓ Turnkey installation costs
- ✓ Measurement and verification of savings
- ✓ Savings guarantee



## LIGHTING

Facilities can reap the benefits of today's advanced energy-efficient lighting systems. Our Energy Services Team will assess your lighting needs and recommend new lighting technologies that improve energy efficiency, reduce maintenance costs, and incorporate lighting control systems. The improved lighting also improves worker productivity and reduces safety risks.

### Assessment Includes

- ✓ Proper light level evaluation
- ✓ Lighting design and fixture selection assistance
- ✓ Opportunity identification for occupancy sensors and photocells

### Reporting Includes

- ✓ Complete report and executive summary
- ✓ Turnkey installation quoting
- ✓ Recycling of old lighting



## MECHANICAL EFFICIENCY

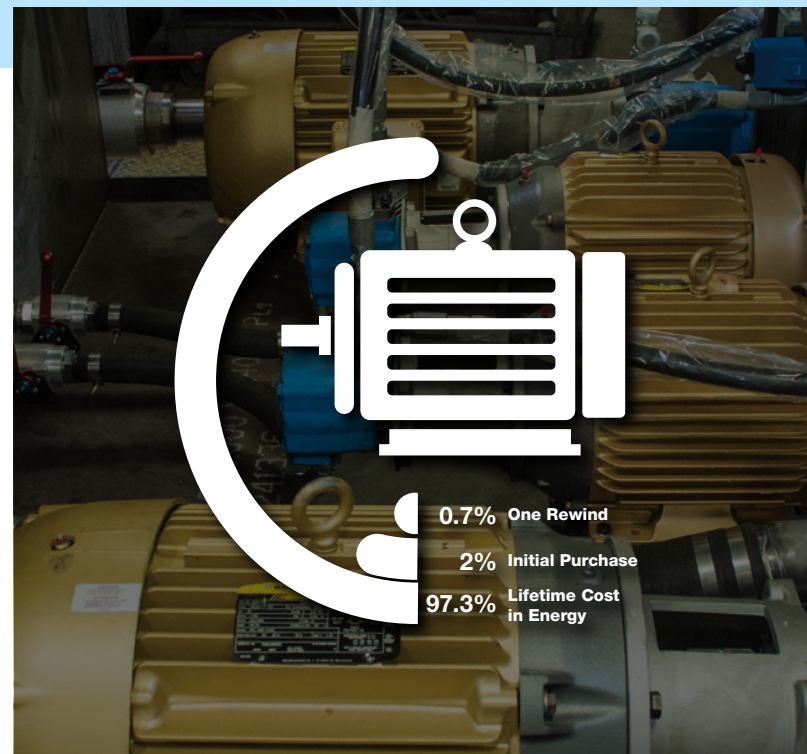
Motion Industries Energy Services Team will assess your current motor efficiency levels and offer solutions for the right combination of voltage, frame, enclosure, speed, phase-type, and motor efficiency to reduce downtime, maintenance and energy costs.

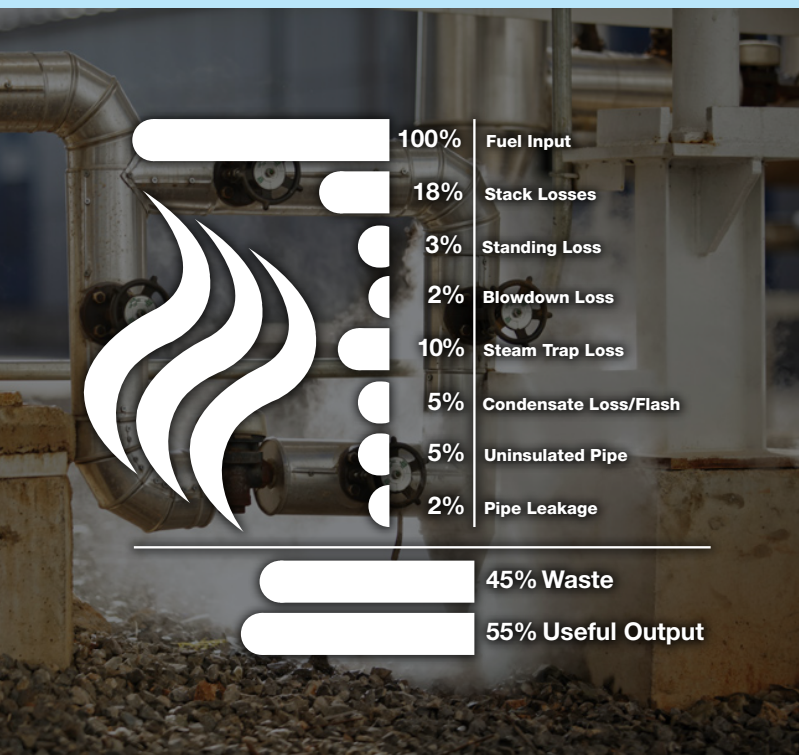
### Assessment Includes

- ✓ Efficiency evaluation of all current motors
- ✓ Motor specific analysis
- ✓ Gearbox analysis

### Reporting Includes

- ✓ Complete report and executive summary
- ✓ Improvement proposals
- ✓ Payback timing
- ✓ Repair/replacement comparisons
- ✓ Spares analysis





## STEAM

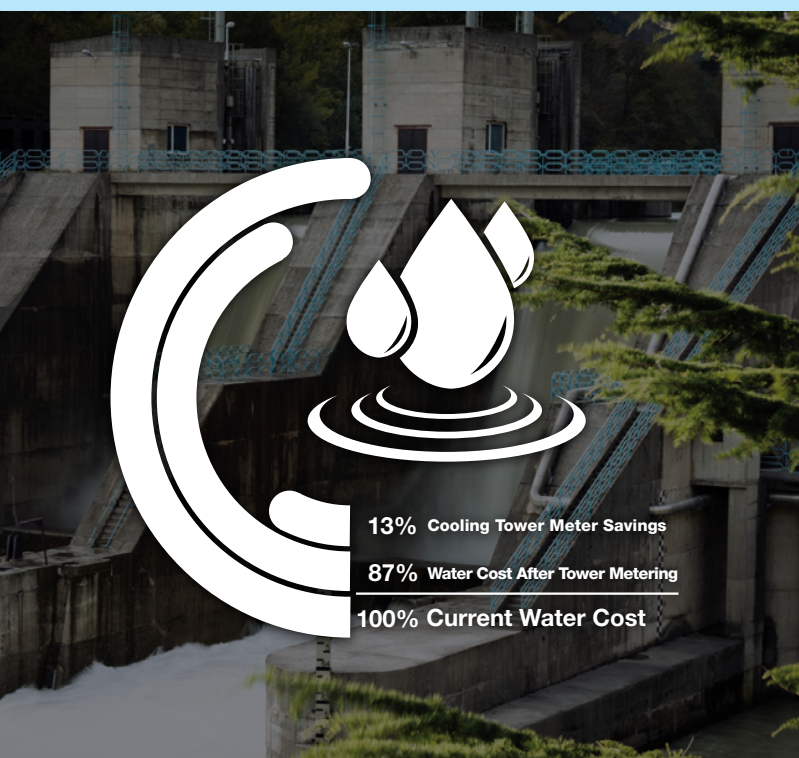
Wasted energy from a plant's steam system is another potential expense that our Energy Services Team can identify and contain. The assessment ranges from trap failures to heat recovery opportunity.

### Assessment Includes

- ✓ Steam trap review
- ✓ Leak detection
- ✓ Control and heat output measurement
- ✓ Heat recovery identification
- ✓ Uninsulated pipe identification

### Reporting Includes

- ✓ Detailed energy reduction measures
- ✓ Complete report and executive summary
- ✓ Improvement proposals
- ✓ Potential energy and maintenance savings



## WATER EFFICIENCY

Let the Motion Industries Energy Assessment Team help you reduce water and utility costs with an assessment of the water-consuming systems in your facility. Our design and installation solutions include low-flow fixtures, water broom cleanup sprayers, cooling tower side-stream filtration, condensate recovery systems, rain water harvesting systems, sewer meters, and water treatment systems.

### Assessment Includes

- ✓ Utility bill analysis
- ✓ Inventory of water consuming equipment
- ✓ Recommended measures with savings and payback analysis
- ✓ Uninsulated pipe identification

### Reporting Includes

- ✓ Solution engineering and design
- ✓ Turnkey installation costs
- ✓ Improvement proposals
- ✓ Measurement and verification of savings
- ✓ Savings guarantee





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