

# Our Capabilities – Your Sustainable Productivity



*Sustainable Productivity*

**Atlas Copco**

# Atlas Copco Compressors LLC

Atlas Copco Compressors develops, manufactures, markets, and services oil-free and oil-injected stationary air compressors, air treatment equipment and air management systems.

Atlas Copco has a focus on exceeding customer needs with a culture built on ongoing interaction, long-term relationships, and a commitment to understanding each customer's process and objectives. As a result, every compressed air solution we create helps customers operate with greater efficiency, economy, and productivity.

## ***Just some of our offerings include:***

### **Equipment**

- Oil-Free Air Compressors
- Lubricated Air Compressors
- Dryers and Filtration
- Blowers
- Vacuum Systems
- Packaged Air
- Nitrogen Generators

### **Services**

- Total Responsibility
- Preventive Maintenance\
- Maintenance Audits
- Energy Audits
- Leak Audits
- ISO Air Quality Audits
- Vibration Analysis
- Oil Analysis
- Overhauls and Rebuilds
- Installations
- Emergency Service

### **Accessories**

- Air Filters
- Air Receivers
- Air Nozzles/Hoses
- Condensate Systems
- Drains
- Demand Controllers
- Sequencers



# Who Is Atlas Copco?



- The Atlas Copco Group is a global business headquartered in Stockholm, Sweden.
- The Group has three business areas focusing on tooling (*Industrial Technique*), compressed air systems (*Compressor Technique*) and construction and mining equipment (*Construction and Mining Technique*).
- The Group's global reach spans more than 170 markets.
- In 2009, Atlas Copco had revenues of approximately \$8.1 billion USD (6 billion EUR).
- Approximately 16% of this total revenue comes from North America.
- In 2009, Atlas Copco had 30,000 employees.
- Approximately 10% of the Group's global workforce is in the USA.
- Atlas Copco Compressors LLC – one of 14 Atlas Copco business units in the USA – has more than 700 employees and more than 30 physical locations across the USA.
- Atlas Copco Compressors LLC is headquartered in Rock Hill, South Carolina. The Rock Hill plant is 187,000 square feet and has doubled in size over the past two years:
  - Two portable compressor manufacturing lines
  - One piston compressor manufacturing line
  - One assembly station where we fit customized options for our industrial air range
  - Three medical equipment assembly lines used by a sister company of Atlas Copco
- We have a Custom*Design* production facility located in Houston, TX.
- In 2010, Atlas Copco opened a 131,000 square foot national distribution center in Charlotte, N.C. and will ship an average of 1,000 order lines per day.



**We are a global pioneer in the development, manufacturing and marketing of compressed air solutions.**

## Lubricated Compressors

(2-700 HP, 5-937 CFM)



**L** - Oil-free and oil-lubricated air-cooled piston compressors available in a number of durable product variants and options to give added value and flexibility to match your exact needs.



**KT** - Tank-mounted compressors designed for the industrial applications that demand high performance and reliable operation.



**GX** - Oil-injected, rotary screw compressors provide an economical alternative to noisy piston compressors. Each model offers energy efficient performance, product quality and reliability and ease of maintenance providing an industrial grade piece of equipment for the workshop application.



**G and GA - Small and Mid Range** - Oil-injected, rotary screw compressors available in both Standard and Plus variants. These robust units are suitable for virtually any application in any environment. They can be configured to include integrated components such as refrigerated dryers, coalescing and particulate filters, and oil/water separators. All G and GA range units are controlled, monitored, and protected by the state-of-the-art on-board Elektronikon® microprocessor.

**GA - Large Range** - Oil-injected rotary screw compressors are suitable for dozens of markets, including mining, shipyards, and construction.



**GA VSD** - Oil-injected, rotary screw, variable speed drive compressors offer significant energy savings of up to 30% over other compressor control technologies because the GA VSD matches the application's fluctuating air demand while maintaining consistent system pressure consuming only the power required to match the system demand.



**GR** - Oil-injected, rotary screw, two-stage compressors are a perfect fit for many high pressure applications in the power industry, textiles, and refineries.

## Oil-free Compressors

(2-3250 HP, 6-15,000 CFM)



**AQ** - Oil-free water-injected rotary-screw compressors in fixed speed and VSD variants deliver pure oil-free air with a high-pressure capability and improved energy efficiency.



**SF** - Oil-free scroll in mono, skid and multicore variants with variable flow technology provide the highest levels of flexibility and choice.



**Z** - Oil-free, rotary tooth and screw compressors in both air cooled and water cooled models. A full feature option in either refrigerant or heat of compression adsorption dryers is also available.



**Z VSD** - Air and water-cooled, two-stage, oil-free, rotary lobe/screw, variable speed compressors provide a quality end product and ensure a healthier environment.



**ZE/ZA** - Air and water-cooled, single-stage, oil-free, rotary screw compressors for your low pressure compressed air needs.



**ZB VSD** - Single-stage, low-pressure variable speed centrifugal blowers feature pioneering innovation and state-of-the-art technology with unrivaled reliability and the lowest maintenance cost by employing non-contact magnetic bearings.



**ZH "Plug & Play"** - Oil-free, completely packaged 2- and 3-stage centrifugal air compressors are the world's first and only true "Plug & Play" solution. The ZH is a complete, pre-engineered skid package with all necessary components integrated and package mounted to provide for clear capital costs, with no costly additions.

**ZHC "Classic"** - Reduced scope (non-packaged) version of the ZH to offer solutions for customers who are replacing or retro-fitting a pre-existing, traditional-style centrifugal compressor, and may already have necessary major components and infrastructure in place.

**ZS** - Low pressure compressed air is the backbone of many production processes. The ZS is the latest addition to Atlas Copco's air blowing solutions, manufactured to the highest standards of quality and reliability. Built to ensure complete product safety, ZS blowers guarantee a continuous, highly reliable, energy-efficient and 100% oil-free air supply for years on end.



Air quality is vital to the reliability and undisturbed operation of your industrial processes and to the quality of the end product.

## Air Treatment



**DD/PD/QD Filters** - Low pressure drop and ISO class filtration levels make Atlas Copco coalescing and particulate filters the perfect solution for your quality air needs. The unique "bottom bowl" design allows for easy element replacement with no mess or complicated extraction processes. Silicone free also available.



**CD Dryer** - Heatless desiccant dryers provide -40° to -100° F pressure dewpoints for some of the driest compressed air in the industry.

**SD Dryer** - Membrane dewpoint suppression dryer capable of reducing moisture content by 55° to 100° F below inlet temperatures.



**BD Dryer** - State-of-the-art heated blower purge desiccant dryer capable of providing pressure dewpoints of -40° to -100° F with maximum energy efficiency and system connectivity.



**FD Dryer** - Refrigerated compressed air dryer provides efficient and reliable dry compressed air through cycling dryers, fixed speed and variable speed circuit design. When combined with the Elektronikon®, which is Atlas Copco's patented controller, compressor control room connectivity is a snap.



**FX Dryer** - Refrigerated dryer with a robust heat exchanger allows for wide variation of ambient conditions without a fluctuating moisture level in the dried compressed air.



**MD, ND, XD Dryer** - Heat of compression dryers, specifically designed to operate with Atlas Copco's oil-free compressors, will eliminate compressed air moisture with no purge air and no more electrical energy than is used to power a light bulb. This patented design is one of the most innovative and energy efficient solutions available to combat compressed air moisture.



**OSC / OSD** - These products, offered free-standing or integrated, are designed to separate all kinds of condensate from all compressor technologies, reducing both installation costs and complexity, and offering outstanding efficiency with minimal maintenance.



**EWD** - The EWD drain offers security and confidence, enabling you to solve condensate discharge problems even with heavily contaminated systems. A wide range of different EWD drains is available and may be provided with additional hard coating for use with oil-free and aggressive condensate.

## Air Treatment



**AIRnet** - A galvanized steel compressed air piping system has been the "industry standard" for many years. With AIRnet, Atlas Copco raises the bar in compressed air piping systems, using only highly durable light weight materials like aluminium and polymer. AIRnet is suitable for compressed air as well as vacuum and inert gases.



**QDT Activated Carbon Filters** - High efficiency carbon filters capable of removing oil vapor and odor from compressed air. The "energy saving" low pressure drop activated carbon towers use adsorption to reduce the residual oil content.



**ConservAIR** - Flow controllers and receiver storage tanks help provide a fully efficient compressed air system with a minimum amount of compressed air at a minimum pressure, ensuring there will always be an immediate supply of air to meet all production demands, while saving energy as well.



**Nitrogen Generators** - Our units produce high purity nitrogen by separating compressed air into two groups: nitrogen and all other gases. The nitrogen molecules are drawn away from the other gases in the air and stored in a receiving tank. Nitrogen is an inexpensive gas which can be used as a "clean and dry" compressed air alternative for many applications.



**MLME Mist Eliminators** - The MaxLife Fiber Bed Mist Eliminator combines superior performance in particle elimination with unrivalled service lifetime - guaranteed. MaxLife filters capture lubricant and condensed moisture carryover, while only creating 1/10th the pressure drop of regular coalescing filters. This saves energy.



**After-coolers & WD Water Separators** - Atlas Copco units are reliable and require a minimum of normal maintenance. The after-coolers basic function is to lower the compressed air outlet temperatures to a cool and safe range. Cooling, condensing and removing the suspended moisture helps provide trouble-free protection against the costly effects of water in your system.



**Receiver Tanks** - An important requirement for any compressed air system, these vessels (or tanks) are used to store the compressed air. The stored compressed air can be used as required, so as not to exceed the compressor's output capacity.

# We Care About Continuing Service After the Sale

## The widest range of proactive support services

Atlas Copco can offer any number of solutions for planned maintenance. What you need is a solution to keep your production optimal at all times and preferably at the lowest cost. Our specialist after-market advisors will visit your production facilities and assess your specific needs. This allows us to propose the most cost effective Customer Support Plan for you.





# Compressed Air Energy Audits

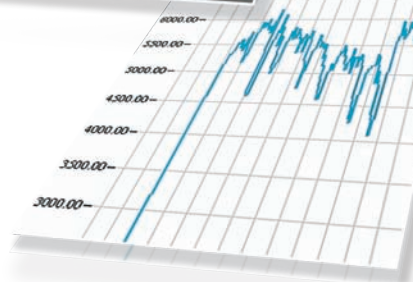
## Audit your way to savings

Compressed air is a vital resource in your production process. But it's also a significant contributor to your power bill: energy accounts for 75% of the lifetime cost of a compressed air system. Another sobering fact is that up to 30% of the energy is wasted...or in other words, a lot of money disappears into thin air. Atlas Copco's compressed air auditing service helps you reclaim a significant portion of this wasted energy, putting dollars back on the bottom line. With U.S. Department of Energy AIRMaster+ Specialists working directly for Atlas Copco we are uniquely positioned to serve you.

Initial discussion



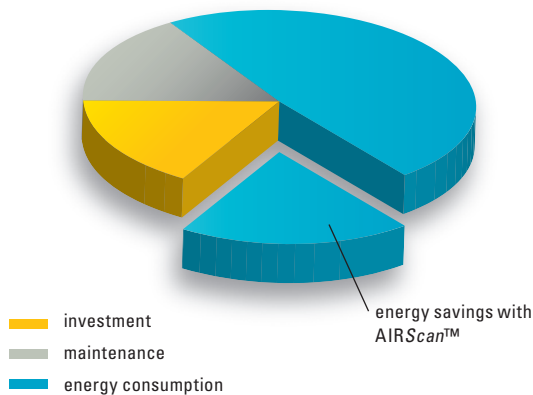
Measurement



Analysis



Reporting



### A compressed air audit from Atlas Copco will:

- Show your compressor's energy usage
- Highlight areas where savings could be made
- Provide you with a professional audit report
- Provide you with a payback analysis on any new investments



### Driven by innovation

With more than 135 years of innovation and experience, Atlas Copco delivers the products and services to help maximize your company's efficiency and productivity. As an industry leader, we are dedicated to offering high air quality at the lowest possible cost of ownership. Through continuous innovation, we strive to safeguard your bottom line and bring you peace of mind.



### Building on interaction

As part of our long-term relationship with our customers, we have accumulated extensive knowledge of a wide diversity of processes, needs and objectives. This gives us the flexibility to adapt and efficiently produce customized compressed air solutions that meet and exceed your expectations.

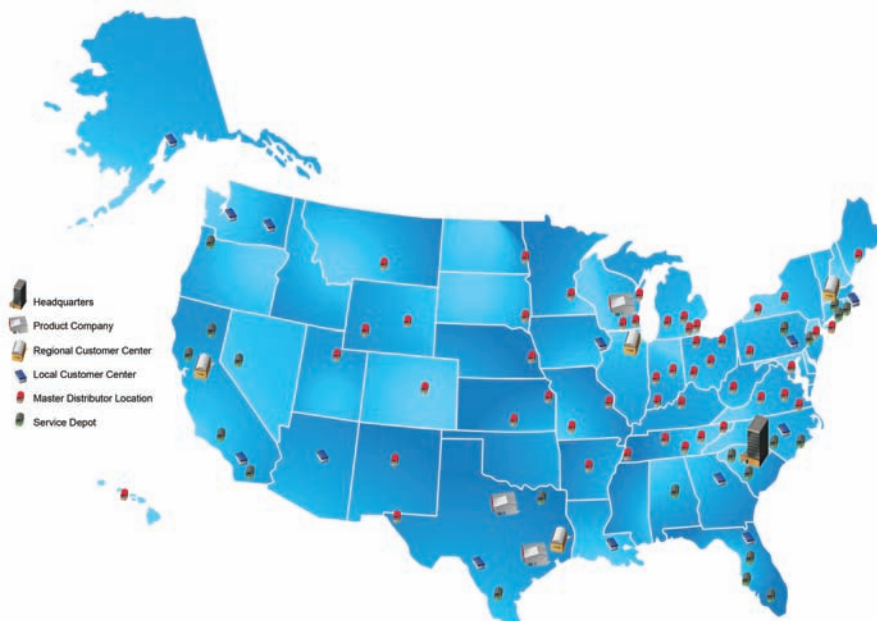


### A committed business partner

Our commitment to you does not simply end when your Atlas Copco products have been delivered and installed. We have an extensive range of aftermarket services to offer you continued support, whenever you need it. With a presence in over 160 countries, we can deliver high-quality customer service anytime, anywhere. Our highly skilled technicians are available 24/7 to answer any queries you may have. And all of this is backed by an efficient logistics organization, ensuring fast delivery of genuine spare parts when you need them. With Atlas Copco you can rest assured that your superior productivity will always be our first concern!

[www.atlascopco.us](http://www.atlascopco.us)

**866-344-4887**



**Atlas Copco**



Danger: Compressed air should never be supplied as breathing air unless air is properly purified for breathing. Atlas Copco assumes no responsibility or liability related to the purchaser's/user's breathing system.

The information contained herein is general in nature and is not intended for specific construction, installation or application purposes.