

ATLAS COPCO

INFOCUS

**THE ANNUAL CUSTOMER
MAGAZINE FROM ATLAS COPCO
EGYPT**

2015/2016



EDITORIAL



Dear Partners,

Once more I have the honor to address this edition to all of you that together we have gone through a very challenging and milestone year full of activities, innovations and improvements.

Again “YOUR satisfaction”- is our main goal around the clock which we always strive to reach in a professional and orchestrated high level of services as we believe that you should get the highest satisfaction and support from our entire team.

Every year we are trying to be better based on your interaction and advices and we should reach the maximum of your demands in all segments of quality, capacity and value.

Today, with the new web technologies and internet capabilities, we're putting customers First! and before anything else to better reach you so that you can find the information and services you need with full accessibility. Our goal is to effectively communicate with you via the web along with the other common methods as it is a fantastic business tool to remain First in Mind—First in Choice® and deliver customer value.

Our new innovated products and services will NO DOUBT continue to enhance our brand portfolio and we will always beone step ahead.

I am confident that we will overcome the forthcoming challenges we face ahead to hand over to the new generations the best quality and standards of life.

John Vanezos

Regional General Manager

CONTENTS

Page 03

ON-SITE GAS GENERATORS:

Reduce your costs compared to using bottles or bulk deliveries.

Page 06

“ENERGIZE” WITH OUR CLASS 0 CAMPAIGN

Discover our offerings on Atlas Copco AQ screw compressors & much more...

Page 08

BOOSTER SYSTEMS & FILTERS

Exceptional products- Best in performance & reliability

Page 12

OIL FREE AIR SOLUTIONS

Discover our energy efficiency journey to provide a safe, reliable and economical solution for each specific application

Page 23

QUALITY AIR & VACUUM SOLUTIONS :

Did you know that your tablets are made using the vacuum technology solutions?

Page 26

SUCCESSFUL CUSTOMER STORIES

Discover Atlas Copco positive impact in the industrial market application

Page 28

CUSTOMER SUPPORT PLANS

Atlas Copco propose the most cost effective Customer Support Plan for your maintenance needs

Page 33

ATLAS COPCO CONSTRUCTION & SERVICE NEWS

Page 40

ATLAS COPCO INDUSTRIAL TOOLS & APPS

Page 46

ATLAS COPCO NEWS & EVENTS

ATLAS COPCO IN FOCUS

A magazine from Atlas Copco Egypt

PUBLISHER: John Vanezos
Regional General Manager
EDITORIAL COMMITTEE:

EDITOR-IN-CHIEF: Maha Kamel
Marketing Communication Manager

Emad Fawzy	Industrial Air News
Karim Boghdadi	Oil-free Air News
Karim Sabry	Aftermarket News
Haytham Mehanna	Construction & Generator News
Ayman Zakaria	Industrial Tools News

Design & Print by : www.gdforce.com



Atlas Copco



THE bottle IS HISTORY!

Everything you need to generate nitrogen on site and on demand is available: nitrogen generators and advanced compressors delivering quality air.



REMEMBER THE BOTTLE?

Forget about storing, re-ordering or changing bottles. Nitrogen generation solutions from Atlas Copco allow you to produce your own **nitrogen where you need it, when you need it.** By using compressed air.. You can get your nitrogen on tap 24/7, with purity levels of 95% to 99.999%.

This proven and reliable technology is delivered fully assembled. No specialist commissioning is required. Simply install the nitrogen generator into your existing airline.



Atlas Copco provides its market-leading expertise to offer a total solution for nitrogen generation

Emad Fawzy

Regional Business Line Manager
Industrial Air Division

- » Premium energy efficiency
- » Self regulation & stable purity
- » Highest quality CMS (carbon moleculars seive)
- » Automatic start-up
- » Control & monitoring

Discover our new nitrogen generation system by visiting :

www.atlascopco.com/nitrogen



PSA nitrogen generators, capacity 1-306 l/s, flow 4-1100 Nm³/h purity 95-99.999%

NGP/NGP+ series

Atlas Copco's NGP nitrogen generation systems provide a cost-effective, reliable and secure supply of nitrogen. The nitrogen generator's working principle is based on Pressure Swing Adsorption technology, which entails carbon molecular sieves that selectively separate oxygen from nitrogen.

The NGP nitrogen generator is perfect for applications such as food and beverage, metal processing, electronics, etc

CUSTOMER BENEFITS

- **Cost savings** – Our NGP systems are characterized by low operating expenses, and the absence of additional costs such as order processing, refills and delivery charges. Maintenance costs are kept to a minimum too.
- **Convenience** – NGP systems are continuously available, 24/7, to eliminate the risk of a production breakdown due to gas running out.
- **High purity** – We guarantee the nitrogen supply according to your needs, from 95 to 99.999% nitrogen purity.
- **Plug-and-play** – The NGP is delivered ready to use, you only need a supply of dry compressed air.



PSA oxygen generators, capacity 0.6-60 l/s, flow 2-200 Nm³/h, purity 90-95%

OGP series

Atlas Copco's OGP oxygen generation systems provide a cost-effective, reliable and secure supply of oxygen. The oxygen generator's working principle is based on Pressure Swing Adsorption technology, with zeolite pellets that selectively isolate oxygen molecules from other molecules in compressed air. The OGP oxygen generator is perfect for applications such as ozone production, waste water treatment, health care, glass industry, etc.

CUSTOMER BENEFITS

- **Cost savings** – Our OGP systems are characterized by low operating expenses and the absence of additional costs such as order processing, refills and delivery charges. Maintenance costs are kept to a minimum too.
- **Convenience** – OGP systems are continuously available, 24/7, to eliminate the risk of a production breakdown due to gas running out.



ENERGIZE WITH ATLAS COPCO CLASS ZERO!

Meet your precise **NEEDS** with:

ATLAS COPCO AQ OIL FREE AIR COMPRESSOR

High Energy efficiency up to **35%**
savings



In Atlas Copco Egypt, We value your business and can add value, we rolled out "ENERGIZE"-a campaign to increase your energy efficiency & maximize your productivity with special offerings.

WITH ATLAS COPCO AQ COMPRESSORS, YOU'RE CHOOSING:

- » ZERO risks of contamination
- » Consistent 100% oil free with an ISO 8573-1 CLASS 0 certified
- » Offering high-pressure capability

DEVELOPED SPECIALLY TO SUIT ALL YOUR SENSITIVE APPLICATIONS

In sensitive applications such as Pharmaceutical, food processing or electronics, the highest levels of purity are a must to secure your end product quality. The only way is to energize with Atlas Copco CLASS 0 air compressors.





ON EACH **AQ** COMPRESSOR,
YOU WOULD GET:

Till March 2016

- » Service contract during the warranty year including the needed spare parts, visits & labor.
- » Extended warranty period for the element, gearbox & motor on renewing the service contract for a second year.
- » Smartbox to be installed during the commissioning with one year Uptime license providing 100% monitoring on your e-mail/ mobile.

Read more about **ENERGIZE** campaign



PISTON BOOSTER SYSTEMS



PREMIUM BOOSTER PERFORMANCE

When you need the best in booster performance and reliability, the Atlas Copco LB delivers. The LB is the ideal booster for pet bottling or nitrogen applications in power plants or laser cutting. Its piston technology offers industry-leading efficiency with remarkably low noise levels and the Elektronikon® Mk5 user interface for optimal ease of use.

FEATURES AND BENEFITS

Quiet

- » Silent from the core: optimal balancing and use of special vibration dampers
- » Available with silencing canopy for additional noise attenuation

Increased efficiency

- » Low Specific Energy Requirement: direct driven technology eliminates friction losses

tion losses

- » Low electrical peaks: use of soft start technology
- » Low mechanical losses: half elastic motor shaft coupling minimizes torque peaks

Easy operation

- » Plug-and-play, hose in/hose out solution
- » Available with integrated

Elektronikon® Mk5 controller

Optimal performance

- » Innovative oil lubrication system with oil ring and crankshaft channels ensures better lubrication
- » No oil carryover with oil breathing system

Supreme reliability

- » 100% designed, manufactured and tested by Atlas Copco
- » Based on proven, reliable LT piston compressor design
- » Inlet and outlet safety valve protection
- » Steel valve plates with innovative zinc-based micro-sphate coating for additional protection

NEW ATLAS COPCO UD+ FILTERS

INNOVATIVE
TECHNOLOGY,
EXCEPTIONAL,
PRODUCT



HOW CLEAN IS YOUR AIR?

Your production processes and end products depend on the air purity of the compressed air. Untreated compressed air may cause extensive damage and lead to serious performance degradation. To protect

your investment, equipment and processes, Atlas Copco offers a comprehensive lineup of innovative filtration solutions to meet your specific needs.

THE TWO-IN-ONE FILTER

Unlike currently available technologies, Nautilus filter technology allows significant improvements in energy efficiency, without any compromise on filter performance or reliability. The first filters to make use of this innovative technology are Atlas Copco UD+ filters. These filters combine two filtration steps into one, hereby meeting the high-quality requirements of diverse applications and providing a range of significant benefits:

- 
40% pressure drop reduction
 UD+ filters provide a significant pressure drop reduction combined with best-in-class filtration efficiency.
- 
Pure air
 Air quality is equal to that obtained using two filters in line, thanks to the thick filter package of the UD+ filters.
- 
Save energy
 A 40% lower pressure drop than the conventional IDD+/PD+ combination results in 40% higher energy efficiency.
- 
Save money
 Reduction of the installation cost, space, maintenance along with less waste disposal expenses
- 
Save space
 The two-in-one filtration concept reduces installation space and complexity, making UD+ filters particularly suitable for applications where space is at a premium.
- 
Certified performance by TÜV

Pay Back in less than 1.5 years... see Calculator



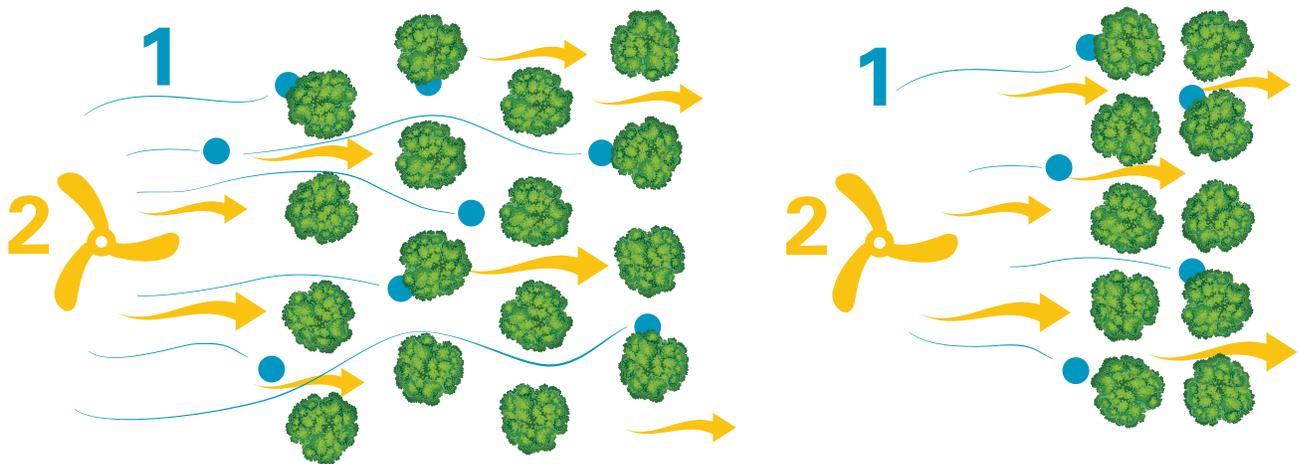
Ultimate energy saver

CALCULATE YOUR SAVINGS WHEN CHANGING TO THE NEW UD+ FILTER

HOW DOES NAUTILUS FILTER TECHNOLOGY WORK?

To explain Nautilus filter technology, we use the metaphor of a forest. The trees are the glass fibers in the filter media – strategically placed so that nothing can get past them. Now think of a balloon – representing the oil and

solid particles you want to filter from the air – trying to pass through the forest. The air current will move the balloon and it will get stuck in the leaves of the trees.



Nautilus filter technology uses filter media of a lower density than in classic coalescing filter technology.

1 Even though the glass fibers in the filter media are not placed as closely to each other as with classic coalescing filters, the forest is significantly larger, resulting in extremely low oil carry-over. The outcome is BEST-IN-CLASS PERFORMANCE.

Less dense filter media used in Nautilus filter technology ensure much easier passage of the air.

2 This reduces the pressure drop and leads to a filter that is much more energy efficient. Combined with the two-in-one filtration concept, the result is 40% **PRESSURE DROP REDUCTION**.

Click on the new [Atlas Copco UD+ filter](#)



EXPERIENCE WITH INNOVATIVE SOLUTIONS

starting an exciting new journey with the GA160+-315 range and we look forward to... Oil-injected Rotary Screw GA160+-315 compressors reach new peaks of integration...operating costs of the compressor & open up new perspectives to boost...

GA 160 FF

Atlas Copco

The Oil Free Air Division continue their energy efficiency journey!

Energy cost is turned to be one of the most important concerns and a valid point of evaluation during the comparison between the different solutions.

Atlas Copco has always developed the most energy efficient solution available in the Air Compressors market, working hardly together with the Research and Development division Atlas Copco's Oil Free Air Division continued their journey as pioneers of the energy efficiency thanks to the innovative design and the premium performance of the totally new designs of the pre-existing ranges as well as the newly added ranges to the Oil Free Air product portfolio.

A State of art 90-315kW Oil Injected Screw compressors starting from the Heavy duty two steps filtration air inlet filter as a standard , going through the in house design Piston, gas forces operated & Solenoid controlled un-loader valve and Atlas Copco Asymmetrical rotor with 4+6 lobe design driven by high efficiency ABB or SIEMENS motors through flexible coupling and innovative in house design gearbox, passing by the 3-stage separation system & Large surface Oil separator with Lower Operating Cost and service cost (Changeable after 8000 working hours) and high efficiency 10 micron filtration rating Oil Filters.

Reaching to the separated Air after cooler and Oil cooler with two separate cooling fans for each cooler and the clear split between the hot zone that contains any heat source such as the compression element and the cold zone that contains any component that may be affected by excessive heat such as the electrical cubicle and finally the Integrated water separator drain for 100% condensate removal even in humid environment with the level detection system and controlled by the compressor module (Elektronikon®) as well as the electrically controlled condensate drain to avoid loses in compressed air.

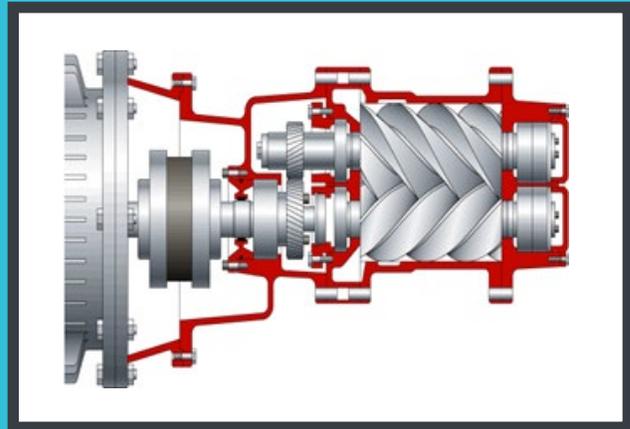


Chris Lybaert

“ With our global presence and strong service support teams, we have better insight of our customer's priorities. Our commitment is to continue to invest in sustainable, innovative solutions to help them increase their productivity. This universal performer delivers high quality compressed air at the lowest operating cost “ says Chris Lybaert, President Oil free Air division ”

GA TRANSMISSION SYSTEM

We produce the highest Free Air Delivery (FAD) with the least power consumption for a reason, Atlas Copco unique transmission system using the spider coupling to reduce the vibrations transmission and torque specially during startup as well as the in house designed gearbox that allow the rotors to run at the optimum tip speed are the secrets behind the most energy efficient with the longest life time transmission system.



The three factors that directly affect the compression efficiency of a compressor are:

- Mechanical Losses
- Dynamic Losses
- Volumetric Losses

The Mechanical Losses are constant along the compression process and are due to the friction of the rotating parts such as the bearings.

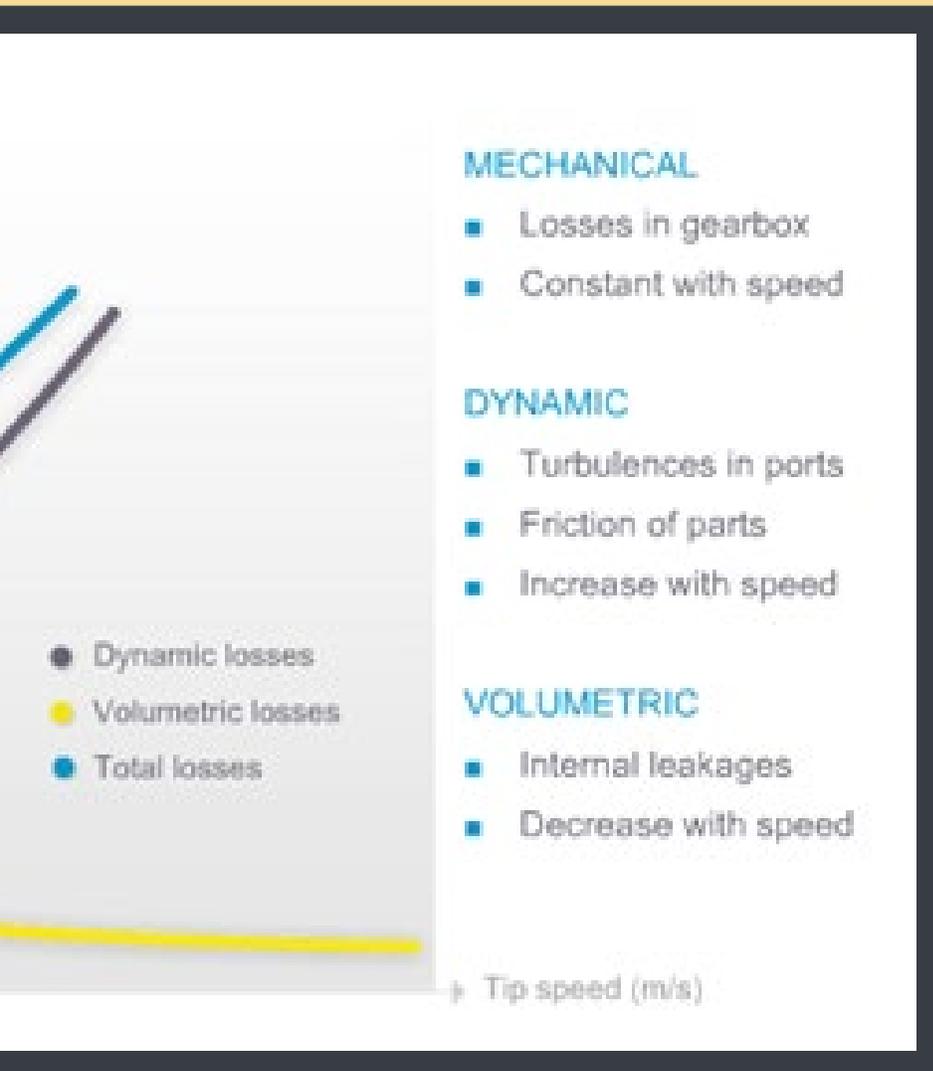
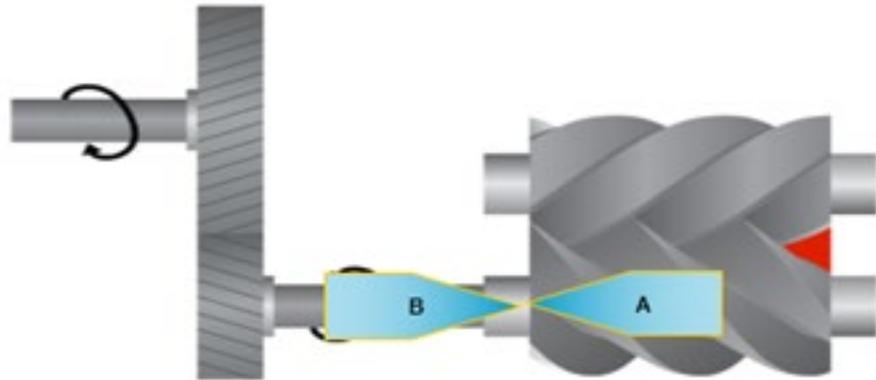
The Volumetric losses are the losses that happens due to the internal leakages and they are reduced by increasing speed on the other hand the Dynamic losses are due to the turbulences in ports and again the friction of parts but the Dynamic losses increases by increasing the rotor speed.

Considering the lowest point in total losses curve, we design our compressors running at the optimum tip speed reaching to the maximum Free Air Delivery at the lowest power consumption that is applied on the different compressor ranges and different design pressures.



A-B = 60% of A (thrust load)
 With the gearbox 40% of the thrust load can be reduced

A= Thrust load
 B= Axial gear force



Another gained benefit from using Atlas Copco unique transmission system is countering the forces coming back from the air being compressed in the compression chamber as shown.

Newton's Third Law: For every action there is a reaction that is equal in magnitude and opposite in direction.

That means that the applied force to compress the air is countered in the opposite direction (A) while we use the gearbox adjusting the thread angle to produce an axial gear force in the opposite direction (B).

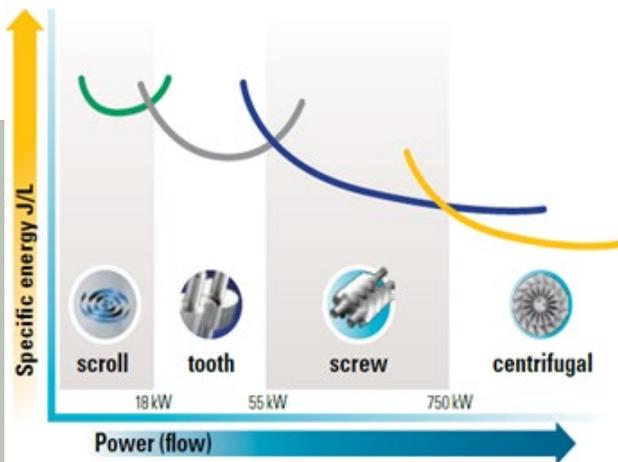
That increases the bearings life time (Element Overhauling after 40,000 Running hours) and enable us to use the minimum size for the bearing that leads at the end of the day to the lowest mechanical losses and as a result the best possible efficiency.

Read more about Atlas Copco Egypt
[Oil-injected Rotary Screw GA160+-315 compressors](#)



OIL-FREE ROTARY SCREW COMPRESSORS

SETTING THE STANDARD IN ENERGY EFFICIENCY, SAFETY AND RELIABILITY



Atlas Copco always uses the technology that meets the best energy efficiency, as for every given flow there is one core technology which shows the lowest energy consumption. when it comes to Oil Free application its proven that up to 18kW the Oil Free Scroll compressors will be the best solution, from

18kW up to 55kW the Oil Free Tooth will be the optimum solution while for the larger compressors that meet extra Free Air Delivery requirements the Oil Free Screw as well as the Centrifugal compressors are the optimum solutions

The shortest route to superior productivity is to minimize operational cost while maintaining an uninterrupted supply of the right quality of air. The Atlas Copco Z compressor series is focused on effectively saving energy, ensuring product safety – only oil-free machines exclude contamination risks

for 100% – and guaranteeing the utmost reliability around the clock. And not just today, but day after day, year after year, with minimal maintenance cost, few service interventions and long overhaul intervals.

Read more about
[Atlas copco Rotary Screw Compressors](#)



OIL-FREE ROTARY TOOTH COMPRESSORS

ECONOMICAL, HIGH QUALITY OIL-FREE AIR

Clean, oil-free compressed air is a prerequisite for the continuity and quality of many manufacturing processes. Over the past decades, Atlas Copco has

pioneered the development of oil-free rotary tooth technology, resulting in a full range of highly reliable compressors delivering 100% oil-free, clean air. With the

protection of your application in mind, the ZR/ZT series gives you all of this experience in a class leading package and meets your every need for pure oil-free air.

PROVEN TECHNOLOGY, MAXIMIZED EFFICIENCY

Rotors

Stainless steel symmetrical rotors ensure perfect dynamic balancing and minimum bearing load to guarantee a long life span.

Axial in- and outlet port

The straight rotor design and the opposing axial in- and outlet port avoid axial load on element components, increasing element lifetime.

Air-cooled design

Cast teeth allow for efficient heat dissipation, eliminating the need for a complex cooling water system and ensuring greater reliability.

Seals

Two independent floating oil and air seals, separated by a neutral buffer area, safeguard the compression chamber from oil penetration.



REDUCED ENERGY COSTS

As energy accounts for more than 70% of a compressor's lifecycle costs (LCC), its importance is obvious. The most cost-effective compressed air solution optimizes the pressure, volume and air

treatment equipment for each production process. Atlas Copco's ZR/ZT compressors provide you with the ultimate all-in-one package to decrease your electricity bill by an average of 35%.

To help you save energy, regardless of whether you require a low or high-capacity compressor, our VSD range has been expanded with the ZT 22 VSD and the ZR/ZT 55 VSD.

100% CERTIFIED OIL-FREE AIR

Atlas Copco is renowned for designing and manufacturing the most durable oil-free screw compressors.

The ZR/ZT 15-45 rotary screw compressor comes out of this strong tradition. Ideal for industries where high-quality

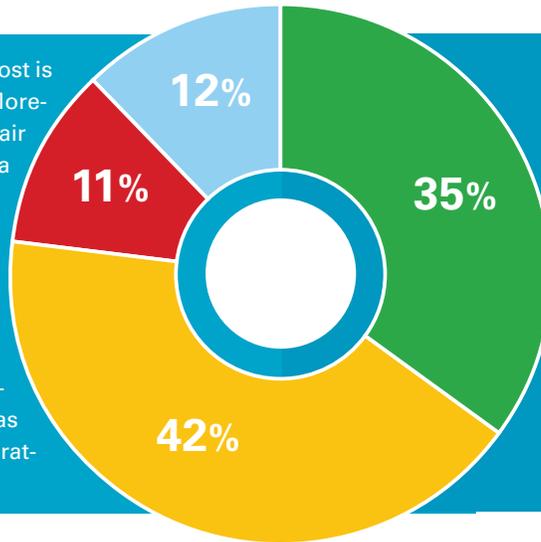
oil-free air is key, the ZR/ZT offers the highest reliability and safety in combination with low energy costs.

Read more about [Atlas Copco Rotary Tooth Compressors](#)



VSD: DRIVING DOWN ENERGY COSTS

Over 80% of a compressor's lifecycle cost is taken up by the energy it consumes. Moreover, the generation of compressed air can account for more than 40% of a plant's total electricity bill. To cut your energy costs, Atlas Copco pioneered Variable Speed Drive (VSD) technology in the compressed air industry. VSD leads to major energy savings, while protecting the environment for future generations. Thanks to continual investments in this technology, Atlas Copco offers the widest range of integrated VSD compressors on the market.



Energy savings of up to 35%

Atlas Copco's VSD technology closely follows the air demand by automatically adjusting the motor speed. This results in large energy savings of up to 35%. The Life Cycle Cost of a blower can be cut by an average of 22%. In addition, lowered system pressure with VSD minimizes energy use across your production dramatically.

Total compressor lifecycle cost

- Energy
- Investment
- Energy savings with VSD
- Maintenance

What is unique about the integrated Atlas Copco VSD?

1. The Elektronikon® controls both the compressor and the integrated converter, ensuring maximum machine safety within parameters.
2. Flexible pressure selection from 4 to 10.4 bar with VSD reduces electricity costs.
3. Specific converter and motor design (with protected bearings) for the highest efficiency across the speed range.
4. Electric motor specifically designed for low operating speeds with clear attention to motor cooling and compressor cooling requirements.
5. All Atlas Copco VSD compressors are EMC tested and certified. Compressor operation does not influence external sources and vice versa.
6. Mechanical enhancements ensure that all components operate below critical vibration levels throughout the entire compressor speed range.
7. A highly efficient frequency converter in a cubicle ensures stable operation in high ambient temperatures up to 50°C/122°F (standard up to 40°C/104°F).
8. No 'speed windows' that can jeopardize the energy savings and the stable net pressure. Turndown capability of the compressor is maximized to 80-85%.
9. Net pressure band is maintained within 0.10 bar, 1.5 psi.



ATLAS COPCO -OIL-FREE CENTRIFUGAL COMPRESSORS ZH+ & ZH 355-900



Proven turbo power

Your application deserves a reliable supply of oil-free compressed air at the lowest energy cost. Atlas Copco has been building oil-free centrifugal compressors for process and plant air applications for decades. Engineered using innovative in-house technology, the ZH+ and ZH 355-900 range captures years of experience in advanced compressed air solutions to save energy and guarantee reliability of oil-free air supply in multiple environments.

Driving down energy costs

Superior oil-free turbo air ends provide the optimum combination of a high flow with low energy consumption. Ample sized cooling, low pressure drops and an efficient drive train result in high compressor package efficiency. Further energy savings are possible with Atlas Copco's heat-of-compression MD, ND and XD dryers.

Completely packaged solution

- All-in-one standard package incorporating the latest technology in a built-to-last design.
- Includes internal piping, coolers, motor, lubrication, inlet guide vanes and control system.
- Installation is fault-free, and commissioning is quick.
- Optional features for customization to a specific production environment.

Read more about

[Oil-free centrifugal compressors](#)



CONTROL SOLUTIONS

ES - The latest in control technology Limit costs for the best return on investment

A properly managed compressed air network will save energy, reduce maintenance, decrease downtime, increase production and improve product quality.

Atlas Copco's ES central controllers are the most efficient way to monitor and control multiple compressors simultaneously as well as dryers and filters.

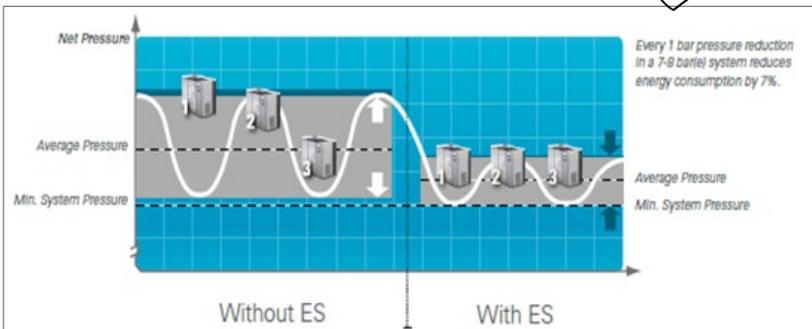
An ES controller offers one central point of control for your whole compressed air network, ensuring all compressors provide optimum performance for your process. The result is a completely dependable and energy efficient network, giving you peace of mind and keeping your costs to a minimum.



The Atlas Copco ES central controller is the perfect solution to meet these needs by:

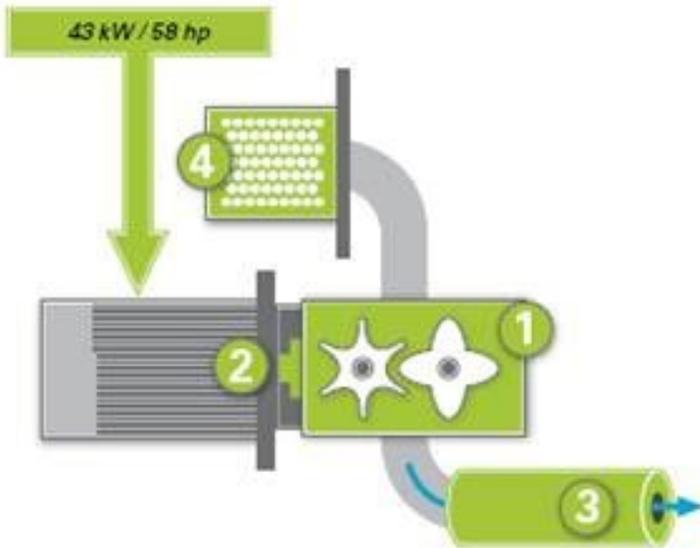
- Improving the efficiency of the complete compressed air system
- Reducing the life cycle cost to the absolute minimum
- Monitoring the operation of the compressed air system
- Meeting stringent environment legislation.
- Certain features of the central controller can be limited or disabled due to licence restriction*.

Read more about [Atlas Copco's ES central controllers](#)



POSITIVE DISPLACEMENT SCREW BLOWER ZS → DRIVING DOWN ENERGY COST

Energy costs can amount to 80% of the Life Cycle Costs of a blower. The ZS range reduces energy costs by an average of 30% when compared to lobe technology. The integrated Variable Speed Drive (VSD) technology offers extra energy savings by automatically tuning the compressed air flow precisely to the air demand.



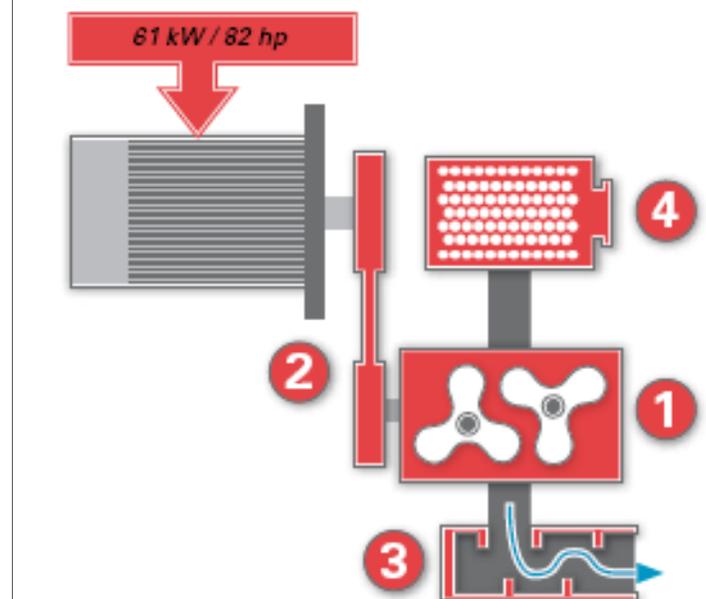
Energy savings by integration

In the ZS screw blower, the internal air flow path is optimized to reduce pressure drops and air turbulence.

Maximum savings by:

1. Internal compression
2. Integrated gearbox
3. Smooth silencer
4. Inlet filter

To deliver a flow of 1600 m³/hr (942 cfm) at a pressure of 0.8 bar(e) (11.6 psig), the screw blower consumes 43 kW (58 hp) on average.



Energy losses in packaging

High resistance to the internal air flow leads to high pressure drops and increased energy consumption.

Losses by:

1. External compression
2. Belt/pulley
3. Silencer
4. Inlet filter

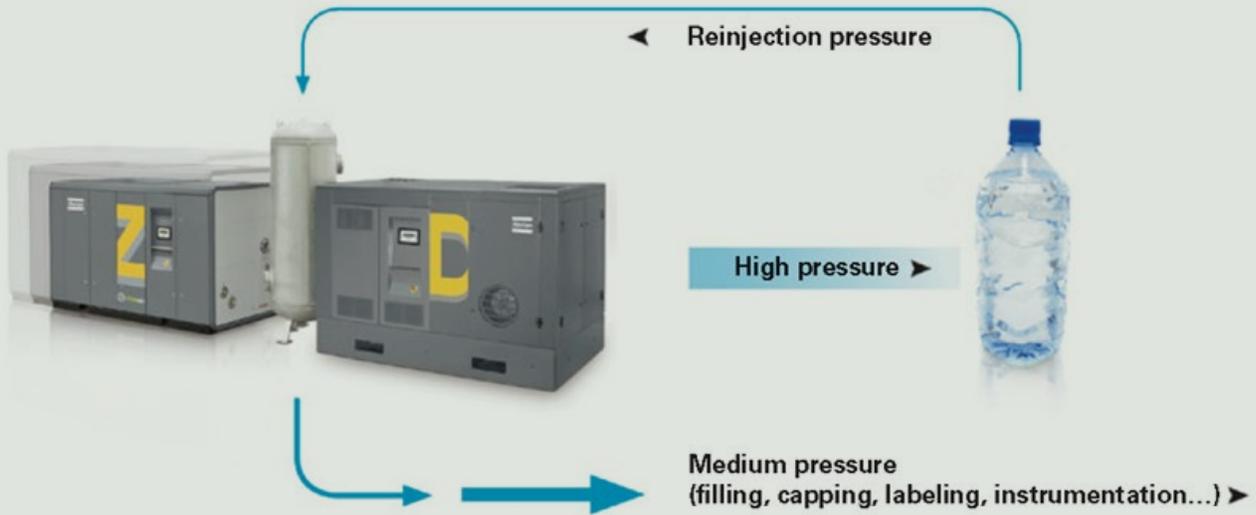
To deliver a flow of 1600 m³/hr (942 cfm) at a pressure of 0.8 bar(e) (11.6 psig), the tri-lobe blower consumes 61 kW (82 hp) on average

Read more about

[Atlas Copco's ZS blowers](#)



HIGH PRESSURE OIL-FREE AIR COMPRESSOR ZD → THE ENERGY SAVING SOLUTION



By nature: thermodynamic rules make the ZD highly energy-efficient. A 4-stage configuration is 7% more energy-efficient than a 3-stage configuration. Compression ratio is better and inter-stage temperatures are lower.



Karim Boghdadi
Regional Business Line Manager
Oil-free Air Division



Zero oil - Zero risk

We have become the first manufacturer to be awarded for all our oil-free air technologies of ISO 8573-1 CLASS 0 certification. Zero risk of damaging your company's hard-won professional reputation.



Read more about
[Atlas Copco ZD screw compressors](#)



BACK TO NATURE



It's amazing what you can do on a tablet. It's also amazing how many of the world's flat screens are made using vacuum technology from Atlas Copco. Just remember to look up and enjoy the world around you, too. It's beautiful out there.



INNOVATIVE, INTELLIGENT VACUUM PUMPS

The GHS VSD Series is a range of new-generation, intelligent, oil-sealed rotary screw vacuum pumps with Variable Speed Drive (VSD) technology from Atlas Copco. Based on the well-known and durable plug-and-play design principles of Atlas Copco compressors, these vacuum pumps have been designed by vacuum engineers to deliver peak performance at your operating pressure.

Click on [Atlas Copco Oil-sealed rotary screw vacuum pumps](#) to know more

GVS TANK MOUNTED SYSTEMS

Atlas Copco now offers Tank-mounted systems to give customers significant benefits:

- » Good ventilation
- » Vacuum that is close to the process
- » Correct inlet protection
- » Vibration elimination
- » Ease of cleaning
- » Professional electrical installation



Read more about [Atlas Copco GVS](#)



HOT SPOT APPLICATION CANNING

The manufacturing process of aluminium cans for the beverage industry is strongly dependent on vacuum. Aluminium is a non-magnetic material and vacuum assists the pick and place and shaping processes by holding the cans tightly during different stages.

Vacuum for cans production is used for the picking of metal sheets prior to the food grade painting which means an important part of the production process.

The GHS VSD+ Series vacuum pumps are ideal for this application, offering a very low lifecycle cost (including service activities and energy).

Generally the payback time against existing oil-lubricated or multiple dry vane installations will be much less than two years.

ESv control solutions: The latest in control technology for vacuum



A properly managed centralized vacuum system saves energy, reduces maintenance, decreases downtime and improves product quality. Atlas Copco's ESv central controllers are the most efficient way to monitor and control multiple vacuum pumps simultaneously.

- » Integrated controller for up to 4 or 6 VSD machines.
- » External controller for up to or more than 6 machines (fixed speed/VSD mixture)

Read more about [Atlas Copco ESv](#)





SUCCESS STORY

A real leap forward in the vacuum industry

Alas Copco Egypt has successfully sold one unit of the GHS 350 VSD to El Taieb for Trade & Industry, one of the biggest Tub Manufacturers in Egypt and managed to be in line with all the customer requirements and exceeding expectations through our pioneering vacuum technology.

El Taieb for Trade & Industry, established since 1978, specialize in manufacturing acrylic tubs based on 20 years of experience & hard work and advance using the latest industrial techniques to produce unique products that is characterized by supreme quality and materials that comply to the international standards.

Since 2007, El Taieb for Trade & Industry used to have 4 rotary vane vacuum pumps (each 200 m³/hr, 5 kw motor) running, these pumps were

*Atlas Copco
VSD Vacuum
pump runs
Water Tub
Factory in
Mansoura!!*



spread all over the factory, behind every production line generating a lot of noise and heat, consuming maximum power all the time as they were running without any control.

“Thanks to Eldrieny Group” one of our promising distributors covering the Delta region” who succeeded in selling the GHS VSD+ under the leadership of Eng. Magdy Shaker “- Sales Manager” who through his entire efforts managed to contact “El Taieb Group” and strongly convince the customer to replace his two old vane pumps with our newly invented centralized VSD screw vacuum pump GHS 350 VSD+ highlighting its various valuable benefits.

The GHS 350VSD+ has pumping speed of 390 m³/hr with power consumption 5.5

kw which will highly benefit the customer production line by reducing the power consumption from 10 kw to 5.5 kw in addition to reducing the noise level and heat dissipation inside his factory.

Another reason behind purchasing our GHS VSD+ solution is the MK5 control module installed on GHS pump, this module allows customer to monitor pump running conditions, service schedule and alarms, but the most significant point was the utmost controlling pump pressure at all times without need for operator manually shuts down/starts up pump every time production stops or starts!.

Explore more in [Atlas Copco vacuum solutions](#)



ATLAS COPCO COMPRESSOR TECHNIQUE SERVICE



**INSIGHTS MAKE YOU
SMARTER**

SMART LINK



Insightful information, tailored to your needs

SMARTLINK is as flexible and informative as you want it to be. Choose from the 3 levels which solution best fits your company.



Safeguard the performance of your equipment. With SMARTLINK Energy, Atlas Copco enables you to continuously monitor and analyze the energy efficiency of your compressor room. You decide on the performance indicators, you define the benchmarks. SMARTLINK analyzes and reports. You can make accurate and immediate improvements when needed. The results can be used for energy monitoring according to ISO50001



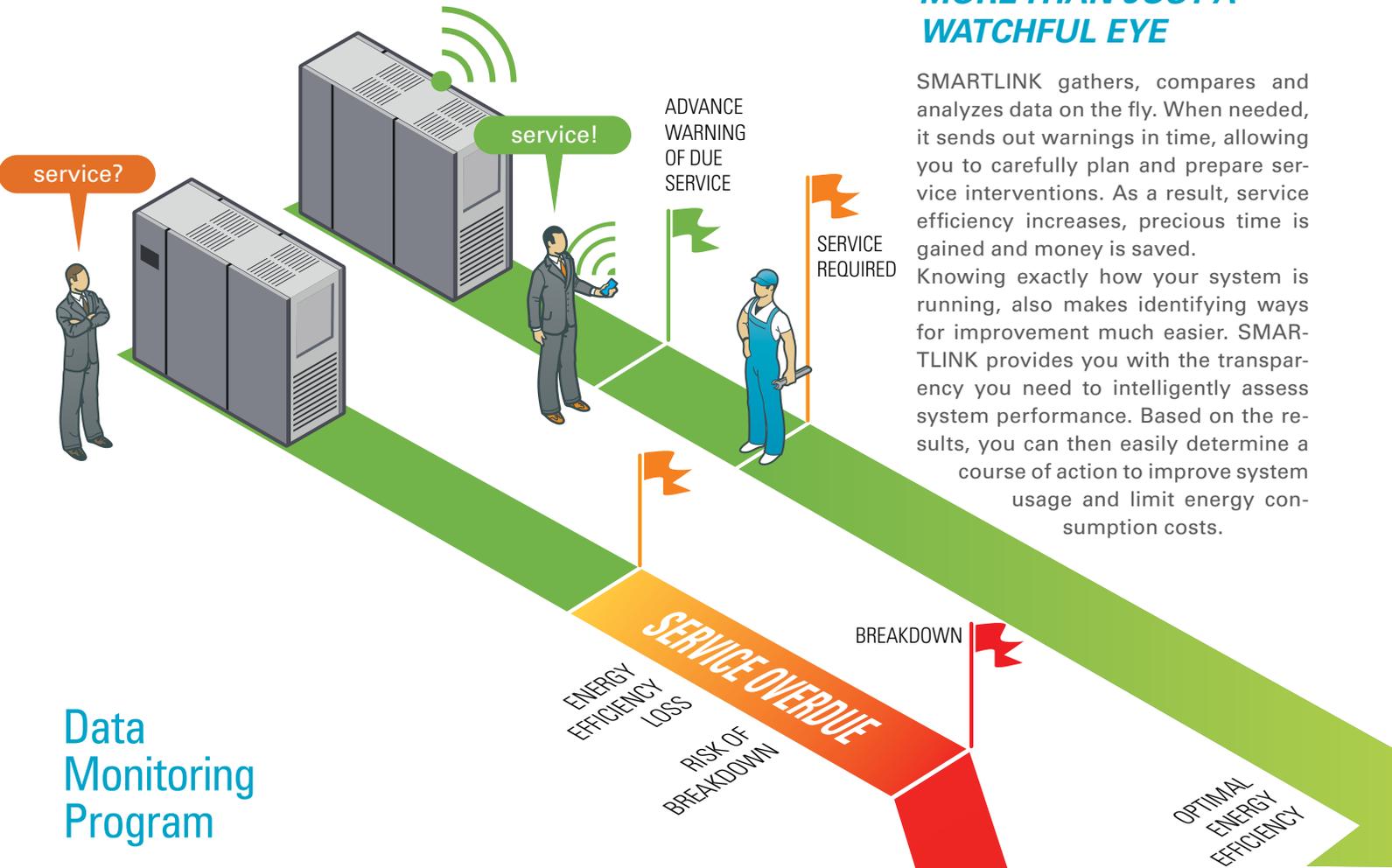
Rule out all uncertainties. With SMARTLINK Service installed on your compressors, scheduling maintenance visits becomes as simple and easy as it should be; your service log book is always just one click away and your online link with Atlas Copco allows you to request and receive quotes for spare parts or additional services very fast.



Keep your compressors up and running. By e-mail and/or text, you receive all relevant machine indications (warnings and shutdowns) in advance. Based on this information, you can then take all necessary actions and measures to avoid the risk of a breakdown.

MORE THAN JUST A WATCHFUL EYE

SMARTLINK gathers, compares and analyzes data on the fly. When needed, it sends out warnings in time, allowing you to carefully plan and prepare service interventions. As a result, service efficiency increases, precious time is gained and money is saved. Knowing exactly how your system is running, also makes identifying ways for improvement much easier. SMARTLINK provides you with the transparency you need to intelligently assess system performance. Based on the results, you can then easily determine a course of action to improve system usage and limit energy consumption costs.



Data Monitoring Program

SMARTLINK

Imagine what it would mean to your business to always be one step ahead; to do away with all your production uncertainties; to actually learn from your activities. Not only would you save precious time in being proactive, you would certainly impact your bottom line too, not having to react when something happens... because nothing does.

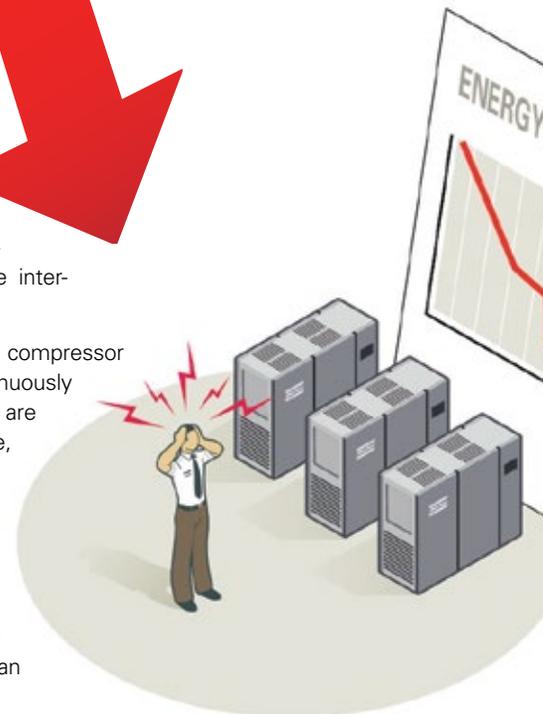
That's exactly what Atlas Copco's SMARTLINK is all about: an easy-to-install, efficient-to-monitor, easily tailored compressor monitoring program. It offers your company a complete insight of your compressed air production. It helps to predict potential problems – and thus anticipate them; it shows how and where the production can be optimized and energy can be saved.

The Risks of Reactivity

Service of compressors and compressor rooms were until now mainly re-active: an unforeseen event requiring an immediate intervention from a service technician.

As you don't exactly know when a compressor is due for maintenance, you're continuously taking a risk: when compressors are not maintained properly in time, their energy consumption is not as efficient as it could be. Worst case scenario: a compressor that is not serviced carefully risks to break down.

With SMARTLINK installed this is no longer the case: from now on, you can monitor your productivity 24/7.



SMART LINK Winner Team

Egypt was ranked the second in world



**IN THE SMARTLINK CAMPAIGN LICENSE TO SELL, BY ACHIEVING
119% OF THE SET TARGET**





THE RIGHT STUFF

- » AIRnet consists of aluminum and polymers, highly durable materials suitable for compressed air as well as for vacuum and nitrogen gas.
- » AIRnet is resistant to corrosion, mechanical shocks, thermal variations and outdoor weather conditions.
- » AIRnet offers consistently clean quality air, protecting the downstream manufacturing process and contributing to equipment longevity.
- » The AIRnet leak-resistant connections offer superior sealing.
- » The low friction factor of aluminum and the seamless connections minimize pressure drop.
- » Low pressure drop and a bigger inner diameter result in high efficiency.

The pipes are easy to cut and the polymer or aluminum fittings ensure a perfect alignment instantly range from 20-158mm

- » AIRnet does not require painting. In compliance with industrial standards, AIRnet pipes are standard painted for simple network identification.
- » AIRnet is adaptable to any existing pipe work. Future extensions can simply be plugged in.
- » The AIRnet system can be pressurized immediately after assembly, limiting downtime to an absolute minimum.

EVEN FASTER WITH THE PF SERIES

- » The Pre Fit (PF) series offers pre-torqued fittings from
- » A gentle push of the pipe into the fittings is all it takes. The connection is made within seconds!

Read more about [Atlas Copco AirNet](#)



0.013 bar absolute to 16 bar absolute
 -20°C to +80°C
 Visible Correct Torque Indication
 Silicone Free***
 PED/ASME/ASTM
 QUALICOAT Certified

CONSTRUCTION APP

BUILT FOR YOUR NEEDS

The Atlas Copco Construction App contains information on the range of products and service for on-site energy, compaction, paving, demolition, renovation and recycling solutions. Within the app you can request for quotes, contact us, find the nearest Atlas Copco location based on your current location, engage with us in our social media channels, check-out our video gallery and get the latest news from us.



Discover our [new construction app](#) from Atlas Copco

HYDRAULIC ROCK DRILL





WE'LL FOLLOW YOU ALL THE WAY

Rock drilling is a tough job. And it gets ever more demanding. We want to make your job easier as you go deeper.

Your job is an inspiration to us. By understanding your working conditions and the demands that you live up to every day, we can create tools that help you work faster and safer.

The HRD system consists of the rock drill, power pack and a selection of pusher legs. Together they have two missions:

The first is to provide hydraulic drilling that helps you exceed your production targets in a safe way.

Thanks to the hydraulic system you don't have to worry about losing production time due to poor air pressure at large depths.

We have also gone out of our way to design a system that helps you avoid heavy lifting and wasting precious energy.

The second mission is to provide good value for money, over a long period of time.

To succeed we only use the best parts and materials available and combine them with active security systems that protect both you and the equipment. That's the only way to do it.

After all, your business is our business.



SO, LET US GO DRILL...

YOU DO THE **ROCK** WE DO THE **ROLL**

The RD100 is designed to let you work. Fast and at low cost per metre drilled. Concentrate on the rock and we'll keep you on a roll. No matter the rock type.

You need a rock drill that lets you focus on drilling accurate blow and support holes. Fast and safe. The RD100 has a soft start function that is easy to reach with one hand. This means you can work with more precision, and collaring is made especially easy.

When it's time to go faster, the RD100 is one of the most powerful drills on the market. The hydraulic system has an increased drill rate compared to electrical systems, and is considerably more energy efficient than pneumatic drills.

And it saves your hearing as well. Perceived noise is about 50 percent lower than that of a pneumatic drill.

Quality drilling means using just enough water for flushing. The RD100 has a five-step water adjustment to help you use the right amount of water for each step. And when you stop drilling, the flow stops automatically. Of course, you still have the ability to force feed water to flush out the drill if it is jammed.

A polyurethane cover provides vibration damping and strength. The RD100 is tested to withstand both heavy handling and drops from more than one metre.

Read more about

[Atlas Copco Hydraulic underground rock drill](#)





LIGHT TOWER LIGHT FOCUS

QLTV15

The **QLT V15** is the light tower that construction sites, outdoor events and industries around the world have been asking for. We have coupled the legendary Atlas Copco **Hardhat™ canopy** with a compact and lightweight light tower which can be transported with the mast in the **vertical** position – allowing quick, safe and efficient transportation.

The highly resistant cover is tough, really tough – but lightweight. It withstands dents, scratches and corrosion like no other. You don't have to waste time and money on canopy repairs and repainting. Many years down the road, your light tower will look and perform like it only just rolled onto your site – maximizing the value of your asset. What's more? Due to our vast industry experience, we are able to bring you the QLTV15 in a package that provides unrivaled value for money – making it the choice for a wide variety of industries and applications.

STANDARD FEATURES

Metal halide floodlights 4 x 1000W – 440.000 Lumens

- » Hard Hat Enclosure made of Polyethylene
- » Galvanized Vertical mast with 5 sections with:
 - Heavy duty 2500 lb winch
 - Block Spacers to reduce mast friction
- » 4 Heavy duty stabilizers with level bubble
- » Ultra compact footprint: Up to 20 units on a 53ft Trailer
- » Lifting beam with Forklift pockets and heavy duty lifting eye
- » Spring Axle Trailer and Tow hitch conforms to DOT requirements
- » Compact Kubota Z482 Final Engine
- » Spillage free frame with fluid containment
- » Oil & Water Drains for serviceability
- » User Friendly control & power panel:
 - Independent Circuit Breakers
 - Hour meter & key switch
 - 120 VAC Auxiliary power output.
- » 28 gallon / 105 liter fuel tank for long run time between fills.



Read more about [Atlas Copco lighting tower](#)

SERVICE PLAN



**WE DO IT
FOR YOU**

» A Service Plan covers all periodic servicing, including all required parts/kits, standard labor and a complete diagnostics report.

What's included?

- » All preventive maintenance and inspection plan
- » Atlas Copco original parts
- » All labor
- » Comprehensive diagnostics through regular inspections
- » Increased parts availability... anytime, anywhere
- » Detailed reporting
- » Comprehensive coverage with minimal exclusions

Your benefits:

- » Equipment maintained according to manufacturer's recommendations
- » Increased machine uptime
- » Peace of mind
- » Costs known up-front
- » No hidden surprises
- » Clear scope
- » Reduced administration time
- » Higher resale value
- » Lower cost of ownership

RTP NUTRUNNERS FOR HEAVY DUTY BOLTING

A RELIABLE
PARTNER FOR YOUR
OPERATION

Slim, light, powerful – heavy duty
bolting has never been this easy!





Whatever your industry, if your operations include loosening or tightening heavy duty bolts, Atlas Copco's slim, lightweight RTP pneumatic nutrunner can help increase your productivity.

LIGHT
WEIGHT



HIGH
ACCURACY



ACCESSIBILITY



RTP's slim gear pack gives you effortless access to bolts in cramped spaces. The torque output of the RTP is adjusted with an Atlas Copco FRL air pressure unit, helping to prolong the lifetime and torque accuracy of the tool.

Read about our [Pneumatic Nutrunner from Atlas Copco](#)



ATLAS COPCO INDUSTRIAL TECHNIQUE PUBLICATIONS

This is the official app for digital catalogs and publications from Atlas Copco Industrial Technique.

Find product information, videos, technical data in excel, links to online product pages, Shop Online, dimensional drawings and to printed matter. The app is available for Apple iPads and Android tablets.

Explore our product range of Assembly Tools, Material Removal Tools, Air Line Accessories, Hoists and Trolleys and Air Motors.

By clicking here



TENSOR ES WITH POWER FOCUS 600

A GREAT ENTRY LEVEL PRODUCT TO

ELECTRIC TIGHTENING.

A robust and easy to use tightening system offering outstanding productivity for your quality critical assembly process



Going electric is easy!

Combined, Atlas Copco's Tensor ES with Power Focus 600 system and the new, ground-breaking TurboTight® strategy take productivity to an entirely new level for electric tools. Setting up and using an electric system has never been easier. And, by switching from pneumatic tools, you can reduce your energy consumption by up to 85%.

Unbelievable but true – we call it easy transformation!

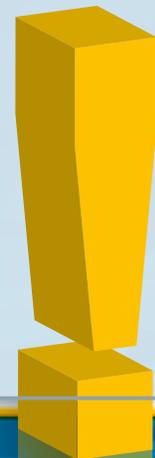
Are these factors essential for your quality critical assembly?

- The capability to tighten joints correctly: for quality critical assembly tightening accuracy should be within $\pm 7.5\%$ over six sigma.
- A lean and efficient workstation.
- Customized ergonomics provided by operator adjustable equipment.
- Reduced energy consumption.



If so, Tensor ES with Power Focus 600 is the ideal solution for you!

- The features of this system translate into enhanced quality, increased productivity, better ergonomics and an overall sustainable process.
- Our key aim is to meet your needs for improved quality critical assembly and increase the total value of ownership.



The brain

Think of the tightening system as a human being and the brain is the Intelligent Application Module (IAM).



The hand

The Tensor ES tool becomes the operator's extended arm.

Easy Set the target torque and start to tighten – the system will solve the rest. Upgrade controllers by simply exchanging the IAM.

Economic and efficient Less reworking and scrapping, and reduced warranty costs. Multitorque capability replaces up to 16 conventional tools. TurboTight® strategy gives the high speed of air tools, with the accuracy and control of an electric tool!

Error proofing With complete Station control, seamless integration with error proofing modules enables you to extend the tightening operation into a first quality check station.

Ergonomic With the low reaction force and clutch feeling, tightening with TurboTight® is easy on the operator.



The heart

The Power Focus 600 controller provides the power to the system and can be compared to the heart.



Read more about

Atlas Copco's Tensor ES with Power Focus 600 system





RAMADAN IFTAR

Atlas Copco Egypt arranged Ramadan Iftar 2015 at El Azhar Park where all the staff gathered & spent a magnificent time together.

Mr. John Vanezos - Regional General Manager presented a motivational speech in which he highlighted our motto: One team – One goal.





SWEDISH NATIONAL DAY

6TH OF JUNE 2015



EMBASSY OF SWEDEN

Cairo

Following last year success of the Embassy's National Day reception on the theme "Sustainable Sweden", this year 2015, the Embassy planned to have a thematic event around **Innovation, Education and Entrepreneurship** which are key objective for Sweden, both domestically and internationally.

Egyptians, Swedes and other nationalities gathered on Sunday 7 June - as 6th June this year came on Saturday - at the Embassy of Sweden in Cairo to celebrate the Swedish National Day and

the strong relations between Sweden and Egypt. The event included a number of exhibitions as well as the work of Swedish companies in these fields. Guests also enjoyed a beautiful musical night by the Nile, with the Swedish music band, Tarabband. This National Day celebration was organized in collaboration with the following Swedish companies represented in Egypt: Atlas Copco, ABB, Absolut, Al Mashfa Hospital/ Stockholm Care, Electrolux, Ericsson, Gambio, Gamma Knife Center, Ikea, Oriflame, Scania, SKF, Swedish Group,

Tetra Pak and Volvo. Invited guests are broad range of Egyptians from government, private sector, civil society, media and the cultural sphere, as well as representatives from the diplomatic corps, the Swedish community in Egypt, The reception is a unique opportunity for networking, meeting with new friends, exchanging cultural experiences and strengthening the Swedish-Egyptian ties. It is also a chance for Egyptians to learn more about Sweden and about Swedish Companies in Egypt, while enjoying Swedish food and music.

ATLAS COPCO EGYPT WAS ONE OF THE PARTICIPATING SWEDISH COMPANIES WHICH ARE ACTIVE IN THE EVENT THEME:

COLLABORATING FOR NEW INNOVATIONS

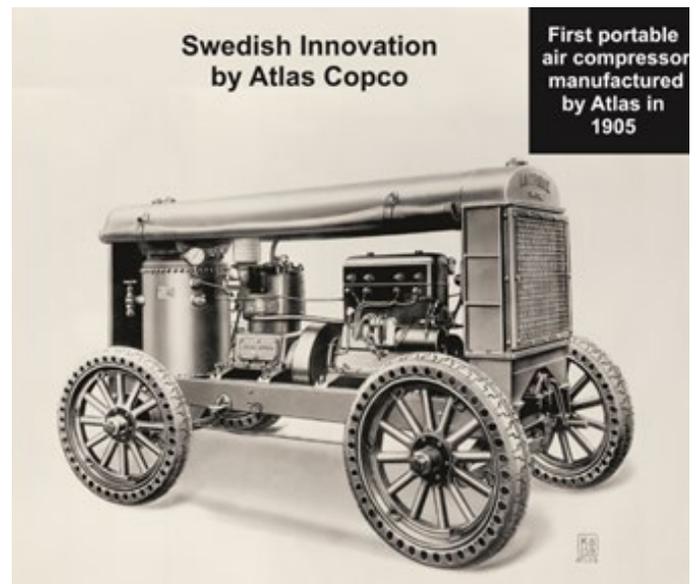
Innovation is one of Atlas Copco's core values. Our innovative spirit can explain both our past and present successes. We have on and on again managed to launch new and better products for improved productivity, safety, energy efficiency and with enhanced ergonomic features.

ENTREPRENEURSHIP

Atlas Copco in Egypt goes back to the early fifties through a trading house in Sweden operating the business in Egypt under the name of the "Egyptian Swedish Trading Company" (ESTC). In 1982, ESTC became the first licensed agency expanding Atlas Copco compressors and drilling machines with the head office located in Down Town as well as the workshop and the warehouse located close to Sakkara Pyramid. ESTC succeeded to create a stable brand presence during that period of time.

Whereas, in 1999, Atlas Copco Egypt Ltd. was established as a legal independent entity under the name of "Atlas Copco Equipment Egypt" (ACEE) as a customer center with the head office in Cairo & branch at Alexandria. ACEE committed to deliver reliable products with an unparalleled level of efficiency and superior after-market services in Egypt, Libya, Lebanon & Jordan.

The family culture and the entrepreneurial spirit are aligned with the culture and values of Atlas Copco Group in Sweden and form the key local ingredients of Atlas Copco Egypt success in delivering sustainable profitable growth in this challenging region.



EDUCATION

At Atlas Copco Egypt, we highly believe in maintaining success through enhancing and enriching people's skills and knowledge through competence development as simply we wouldn't be able to improve our business or our sustainable solutions without individual growth.

Therefore, Atlas Copco launched the Competence Portal Online and classroom trainings. The **Atlas Copco Competence Portal** is an online tool that helps manage the competence development efficiently. The portal allows all leaders to directly connect employees' performance reviews to training and development opportunities.

<https://competenceportal.atlascopco.com>



Atlas Copco Egypt banner specially designed on the theme event



Ambassador Charlotta Sparre during her opening speech



Winner of the photo competition Swedish innovations, receiving his award from the Swedish Ambassador which is offered by Atlas Copco Egypt and handed by Mr. John Vanezos, Regional General Manager

The Embassy's exhibition on Swedish Innovations and Atlas Copco posted the portable compressor as its first innovation



First portable air compressor manufactured by Atlas in 1905



Swedish National Day Celebration over the Nile



Atlas Copco Egypt delegation at Swedish National Day reception



Music band, Tarabband

ATLAS COPCO

WISHING YOU A PRODUCT

Looking for a temporary supply of air, nitrogen, steam, or power? We have it all, available 24/7.

www.atlascopco.com.eg

24h

Service - Hotline

Cairo: 012 807 555 33

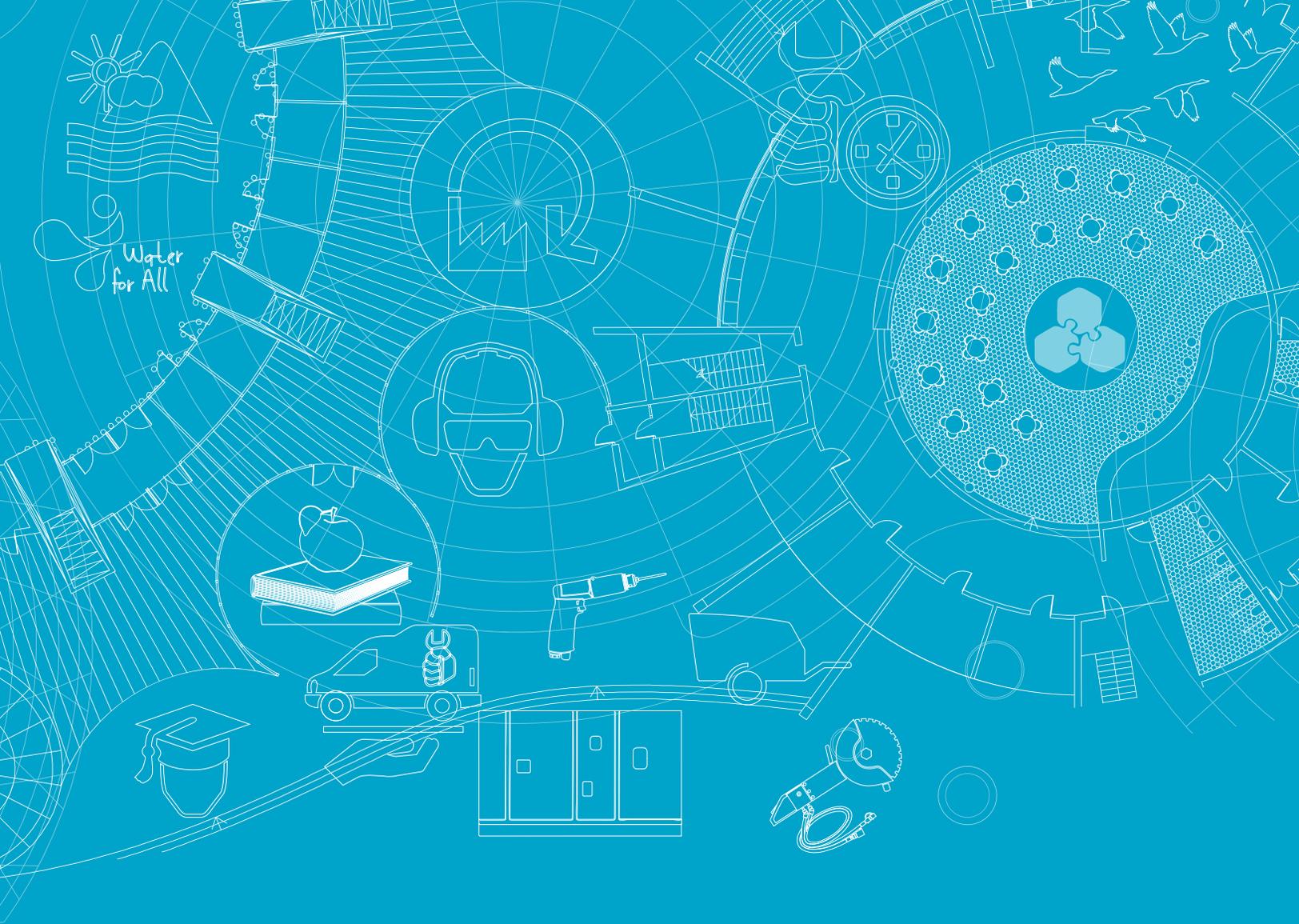
Alex : 012 807 555 66

CO EGYPT

IVE EFFICIENT YEAR 2016!



Atlas Copco



Sustainable Productivity



We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand the test of time.
This is what we call - Sustainable Productivity.

Atlas Copco Equipment Egypt

P.O. Box 520 El Obour market Cairo, Egypt
El Obour city 1st Ind. zone- part 7 block 13024
Tel.: +202 44814417 / 44814208
Follow us at: facebook.com/atlascoopcoegypt
Visit us on: www.atlascoopco.com.eg

Atlas Copco Levant

Marc 1 Building - 9th Floor Habtoor Round-
about - Sin el Fil - Beirut - Lebanon
Tel.: +9611 493 550/60 Fax: +96611 493 540
www.atlascoopco.com/lbus

Atlas Copco