



CONSTRUCTION REVIEW

We provide on-site energy, compaction, paving, demolition, renovation, and recycling solutions for sustainable productivity.

Atlas Copco



CONTENTS

Why work with Construction Technique?	4
Product Range	
Portable Energy- light towers	6
Portable Energy- generators	8
Road Construction	10
Construction Tools	12
Parts and Service	14

WHY WORK WITH CONSTRUCTION TECHNIQUE?

In the Construction Technique business area, we have gathered the expertise, experience and technology of the different divisions to help our customers grow, produce and succeed. We are committed to the highest standards in safety, quality and efficiency.

The Group's core values of **interaction, commitment, and innovation** formed our past, create our present, and will guide our future. Our core values represent a competitive advantage to the Group and help us to maintain our leadership position, even in a changing environment.

140 years

Innovative leader in construction with more than 140 years of experience



Dedicated global service network in more than 170 markets



Thousands of highly trained personnel around the world



Complete range of high quality products and services



Dealer Management Program: Internal and external organization



Customer Finance: Plans to support customer purchases



ATLAS COPCO'S HILIGHT RANGE BREAKS NEW GROUND

January, 2016: Atlas Copco launched a new range of light towers designed to offer even more choice when it comes to finding the light tower that is right for a given application. The HiLight V4 and V5+ include a HardHat canopy as standard, which ensures tough protection of internal parts. This range of light towers is intended to provide construction firms, outdoor event organisers and other industrial users with a dynamic set of lighting options to address all efficiency and safety requirements, while retaining the robust build quality and compact size for which Atlas Copco equipment is globally recognised.

The HiLight V4 is the leading solution within the 4000W metal-halide light tower segment, while the HiLight V5+ is a premium model incorporating LED lighting technology and increased fuel efficiency. The V5+ offers significant fuel savings of up to 60% when compared to the typical fuel consumption of 6kW Metal Halide solution, creating industry leading competitive advantage.

The V4 model can illuminate an area of 4,000sqm and the V5+ can cover approximately 5,000sqm with an average of 20 lux. The LED lamps in the latter model are designed for both portability and performance, and heavy-duty floodlights benefit from high ingress protection (IP) and



"We can offer a new level of durability and value with a multitude of options for customers and a clear value proposition that fits with their needs"

HiLight V4 and V5+: the right choice for your business

impact protection (IK) ratings. In addition, LED lamps offer users higher durability without any deterioration in lux level.

"Several years ago, a light tower could be considered as a simple commodity product with limited life expectancy" said Sergio Salvador, product marketing manager for the Atlas Copco range of light towers. "Today, however, we can offer a new level of durability and value with a multitude of options for customers and a clear value proposition that fits with their needs. No longer do buyers need to compromise by settling for a one-size-fits-all solution."

The extended safety features give users complete peace of mind, even in the most demanding conditions. The light towers can be transported with their masts in a vertical position, enabling safer transportation and installation. As a result, it is possible to transport up to 20 units on a single truck, while eliminating the time-consuming and costly problem of bulbs being broken during the shipping process.

The vertical mast also aids the installation process and improves site safety, which is further enhanced with four heavy-duty stabilisers and a level indicator.

In addition, the new light towers come with the legendary Atlas Copco HardHat canopy as standard. Offering unrivalled tough but lightweight protection in order to maintain the value of the asset even after many years on the road.

Other features of the HiLight HardHat range include a 28-gallon fuel tank, which allows the units to run for multiple days without the need to refuel.

The light towers are equipped with Kubota EPA Tier 4 engines and offer increased serviceability with wide wing doors and all components easily accessible. Environmental considerations have also been taken into account, with a frame design that prevents oil, fluids and fuel from leaking out and contaminating the ground.



**NEW QAC 1100 TWINPOWER.
DOUBLE THE FLEXIBILITY, TWICE THE POWER !**

The new QAC 1100 TwinPower® is a 20 feet containerized generator with 2 x 500kVA generators inside, making it perfect for applications that have variable power needs. Because of the two generators in one platform, customers get the flexibility they need at 100% power load in the most efficient, flexible and reliable way. What's more, every needed feature comes as standard on the QAC 1100 TwinPower®.

- KEY BENEFITS**
- High performance
 - Low cost of ownership
 - Efficient maintenance
 - Versatility
 - Transport efficiency

READY FOR SALES!
Leaflet already available in Printshop
Sales Tools
Product & application pictures

By combining two generators in one fully-engineered package, users can utilize up to one megawatt of power at anywhere between full load and low load maximising fuel efficiency and cutting the associated running costs.

It can be difficult when buying or renting a generator to predict your exact on-site power needs. Companies may opt for a larger generator and run it at a lower load but when running at low load, this harms both efficiency and lifespan. Alternatively, many start with a smaller generator but then incur further purchase and installation costs when buying a second generator to meet higher load requirements. With the QAC 1100 challenges are eliminated. You can have one generator serving the whole site, from low to high power loads.



Thanks to a fast paralleling control system, the two generators can work independently or in parallel with each other. Loading issues are removed, which ensures that the generators run at peak performance for their task, while limiting fuel consumption. At one megawatt of power, the QAC 1100 produces the same output performance and efficiency as a single generator package.

The QAC 1100 comes in a Standard 20-foot ISO CSC container. Lifting eyes and forklift slots allow generator to be quickly and safely manoeuvred around the site, providing power where it is required. It also offers users the chance to reduce on-site costs in terms of installation, operation and maintenance, with large access doors and custom service tools to help maximise uptime. The generator is designed to offer optimal performance and low-noise levels even in the most extreme working conditions.

Designed and tested with key customer. The QAC 1100 is ideal for any application requiring reliable, on-site predictable power including; mining, construction, rental, transport, oil and gas and utilities.





WHEN LEADERS MEET IN ASPHALT BUSINESS, GREAT RESULTS ARE GUARANTEED!

Segment Shpk delivered the 1st paver in 2016 for SE Europe Region to company Vellezerit Hysa. Mr Argon Hysa counts more than 15 years experience in road projects, possessing a fleet of 10 RCE and fully trusting our Atlas Copco Dynapac F2500C paver for the demanding project of Elbasan-Cerrik in Albania. AC Dynapac wishes a business highway paved with success to our Dealer and Customer!

COMPACT DESIGN WITH GREAT MANEUVERABILITY

The F2500W wheeled paver is compact in dimensions that offer a 2.4 m inner turning radius for easy operation within city roads. The paver can handle narrow paving situations and with its 17 degree ramp angle is easy to transport.



THE F2500 LARGE PAVER RANGE is designed with conventional electric control with high paving capacity and high quality Dynapac vario screed.

The paver feature an efficient drive concept, best in class operator confort and ease of service.

PRECISE POWER & SMART DESIGN

ELECTRIC OR GAS – YOUR CHOICE!

Our new optimized electrical heating system features improved insulation and a stronger generator that has significantly reduced heat-up time. The generator is driven by a flexible shaft from the gear box that offers great reliability and reduced maintenance. We are able to achieve even heat distribution with new heating coils for bottom plates and tampers. Whoever opts for our gas heating system gets a remarkably shorter heat-up time. Amazing pavement quality from the first stretch of track! Dynapac supports sustainable gas heating systems to reduce energy consumption as well as CO2 emissions.



OUTSTANDING TRACTION

The paver features improved traction from its predecessors due to smart rear wheel drive along with wide tires. The new low profile tires give superior ground contact and effective traction in work as well as drive modes. The paver features an assymetric suspended axle that allows ground contact for the front tires in uneven ground conditions. This also improves our drive capability at all times.

EXCELLENT STABILITY

The paver is well balanced with a low centre of gravity. The hydrostatic drive system offers a smooth driving experience with good speed ramp up. Thanks to the new hydrostatic brakes the paver has a smooth but effective service brake. In addition we offer a multi disc parking brake.

4-TUBE PRINCIPLE

Dynapac’s screed is the most appreciated screed in the market, worldwide! The screed is extremely stable. Our patented four-guiding tube principle is responsible for the so far unmatched screed stability. We don’t need any supporting rods for the screed, which makes all Dynapac screeds easy to assemble on site– a must for efficient jobsite management.



NEW PNEUMATIC BREAKER RTEX !

Atlas Copco's new handheld pneumatic breaker RTEX rewrites the profitability rulebook: reducing energy consumption by 50% whilst being 25% lighter paired with great ergonomics.

Thanks to the invention of a new operating principle – Constant Pressure Control, improved energy transfer within the breaker and the new RHEX Power Chisel – the RTEX achieves record high breaking efficiency.

The RTEX has the breaking capacity of a 30+ kg breaker, using only half as much compressed air whilst being 25 per cent lighter.

It has a high breaking performance of 30 to 35 kilogram breakers, and weighs in at 25 kilograms.

Measured according to EN ISO 28927-10, the 3-axes hand-and-arm vibration is below 5 m/s².

Under these conditions an operator can work up to eight times longer than with conventional breakers, according to safety guidelines.

This is due to the Constant Pressure Chamber on top of the break that acts as pneumatic suspension.



Latest handheld pneumatic breaker: the lighter RTEX

RTEX slashes energy consumption by half, while at the same time being lighter and more ergonomic.

Additionally, RTEX is more compact than traditional breakers, making it easier to work in restricted areas. Due to its more efficient air consumption compressors only half the size are needed, or two breakers can be used on a compressor which previously only powered a single breaker.

This is all due to new working principles developed at Atlas Copco. "In a conventional breaker air is discharged each time the acting piston moves up or down; in the RTEX we discharge the air only once – on the piston's return stroke," Atlas Copco engineers and inventors Olof Ostensson and Thomas Lijia said.

"Then the constant pressure from a chamber on the top of the RTEX pushes the piston down. The pressure on top of the acting piston is constant and therefore does not generate vibrations as on conventional breakers, so there is no need for vibration damping. To achieve this, we moved the valve from the top of the breaker to the bottom – our new "Up-Side-Down" (normally spelt 'upside-down') concept.

The new, longer and heavier piston transfers power much more efficiently to the unique "RHEX" Power Chisel. Even though the RTEX can work with conventional chisels, the RHEX is specially tuned to our new breaker in order to achieve optimal shock wave interaction for better breaking performance. The RHEX also has a special concave tip profile which significantly reduces jamming. The new RTEX working principle, long piston and RHEX chisel have resulted in record high efficiency – 50 per cent less air needed for the same breaking capacity.



**PROFESSIONAL SERVICE
GENUINE PARTS**

GENUINE FILTERS

Our genuine Atlas Copco filters are manufactured to the same exact standards as our equipment and have passed the same endurance tests. Genuine filters avoid problems such as a poor sealing between the filter body and the engine, and the quick deterioration of the paper element inside the filter. Using our genuine Atlas Copco filters has proven to be the best way to protect your investment from poor performance and to ensure your machine is working according to the original factory specifications.

Benefits:

- **Reduced operating costs**
- **Low equipment downtime**
- **Longer service life**
- **Increased resale value**

FLUIDS AND LUBRICANTS

Developed to match our maintenance specifications, Atlas Copco fluids and lubricants help protect your investment, keeping you productive and improving the resale value of your compressor.



The blood in your machine!

**Fluids and Lubricants
Genuine Filters
Service Kits**

Benefits:

- **Quality fluids last longer and protect your product.**
- **The correct fluids reduce equipment breakdowns and optimize your machine's performance.**
- **Ordering from us simplifies the process and eliminates the need to work with multiple suppliers.**

SERVICE KITS

Preventive Maintenance Kits

All-in-one box tailored to match your equipment. Our Preventive Maintenance Kits contain all the parts required for the equipment's scheduled maintenance program. These kits are easy to obtain and attractively priced.

Wear & Repair Kits

Set of spare parts for the most common repair and replacement operations on your machine. Cost effective and convenient, these kits simplify the service process by ensuring you get what you need.

Start-Up Kits

The Atlas Copco's Start-Up Kit will help you to maximize productivity from the day you acquire your new compressor. The kit includes all preventive maintenance kits, fluids and lubricants for all equipment components, according to the preventive maintenance program and schedule of each machine.

Upgrade Kits

An economical solution to ensure your equipment is up to date with the latest Atlas Copco technology. Upgrades integrate proven technological solutions that are readily available and easily installed. These upgrades will maximize your equipment's productivity and market value, as well as optimize your equipment's efficiency, increasing your profits.



REFURBISHMENT PROGRAM

Atlas Copco breakers have a proven reputation for outstanding quality, superior productivity and long operating lifespan, resulting in a low cost of operation. Across the world, thousands of breakers are demonstrating their superior power, working on a range of challenging applications: demolition, primary and secondary breaking on quarries, tunnel excavation, trenching, rock excavation, and more...

SOLVING BREAKDOWNS

Despite the high quality of the materials used, the friction between the piston and the cylinder, combined with the extreme stresses of hitting surfaces hundreds of times per minute, will eventually end the life of the percussion piston and the cylinder. Replacing these affected parts with new, well-designed and high-quality parts is key to solving major breakdowns.



GOLD and DIAMOND refurbishment offer

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Give your breaker another life!

REFURBISHMENT PROGRAM

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BENEFITS:

High-quality overhaul

An experienced and trained technician will conduct the refurbishment, inspecting everything in detail, and replacing all parts.

Genuine parts

Genuine parts, with the same quality, design and tolerances as those used when the breaker was first manufactured, will ensure your breaker's productivity will be optimized again.

Attractive investment

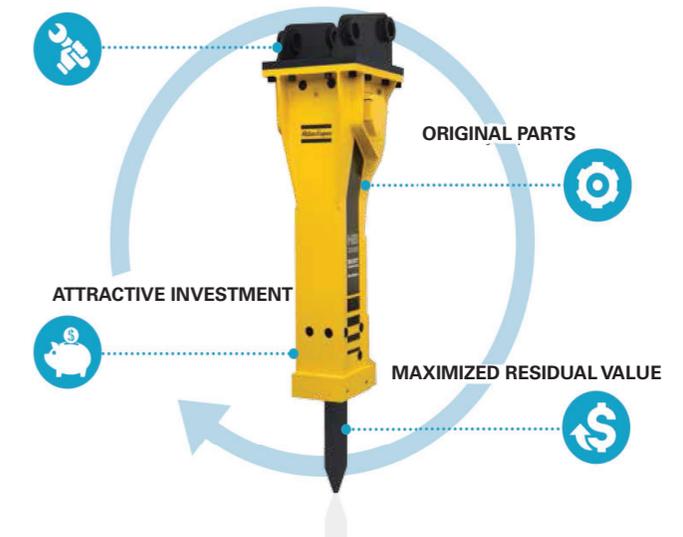
For much less than the cost of a new unit, your breaker will be up and running in optimal condition and keep working for a long period.

Maximized residual value

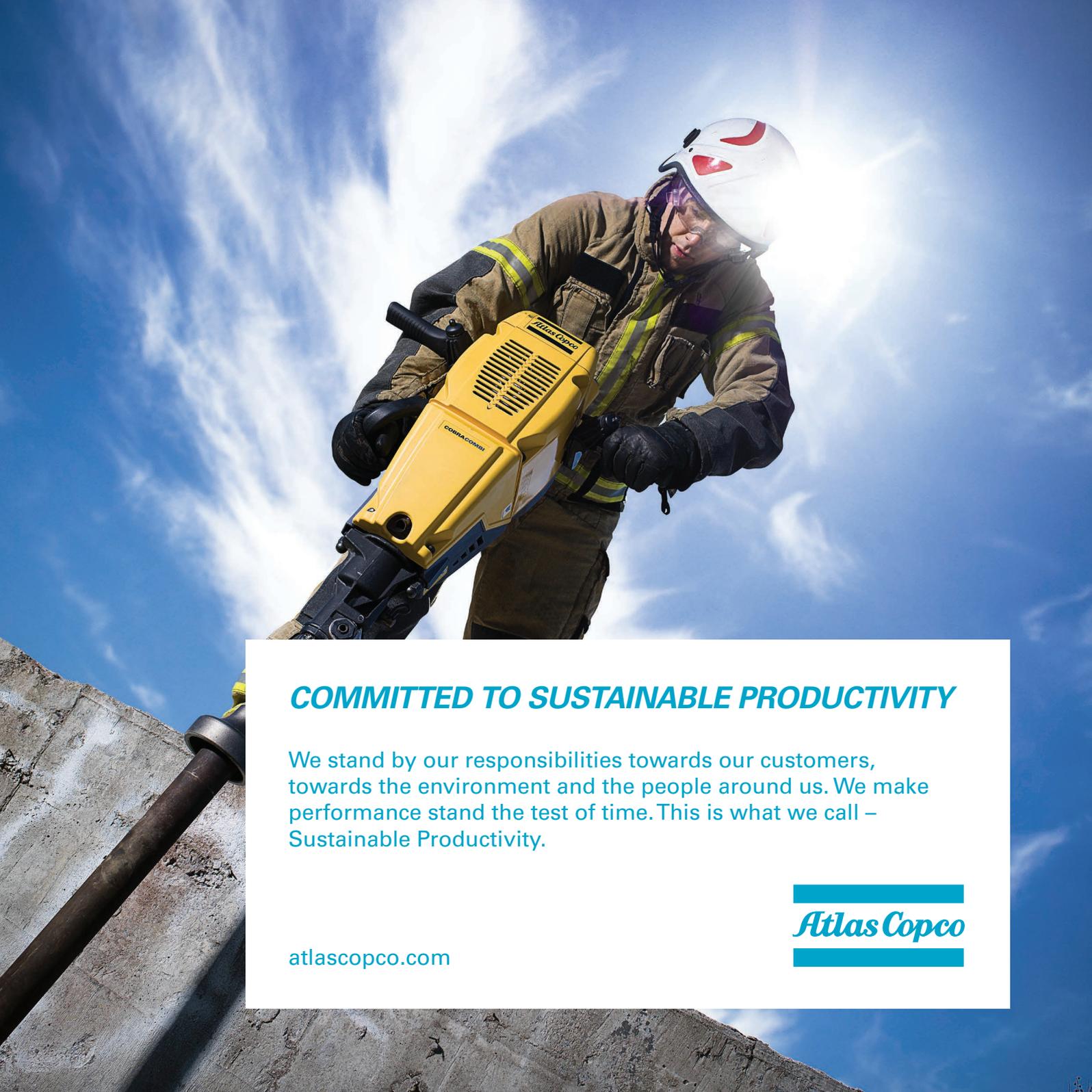
Production demands change over time, and in the future you may need a bigger or smaller breaker. Refurbishing your breaker, you will easily earn back your investment. When you trade it in for a new model, the residual value of your old refurbished unit will be much higher.

GIVE YOUR BREAKER ANOTHER LIFE

HIGH QUALITY OVERHAUL



Refurbishment	GOLD	DIAMOND
All-in-one box kits	Wear parts	Wear parts
	Piston	Piston
		Tensioning bolts
		Cylinder
Box	Sandblasting + painting + stickers	
Box refurbishment (optional)	Welding and metal work on worn areas	
Labor	Labor	



COMMITTED TO 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.

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