

The Atlas Copco logo is displayed in white text within a teal rectangular box. The text is flanked by two horizontal white bars, one above and one below.A technical drawing of a mechanical component, likely a compressor or motor part, is overlaid on a teal triangular background in the bottom-left corner. The drawing includes various dimensions and labels such as '1380 (144.9)', '1630 (164.2)', 'C-C (1:3)', 'Ø10', 'Ø17.5', 'Ø17.2', '0.8', '18.5', '10.5', '30.8', and '44.8'.

Systems + Solutions

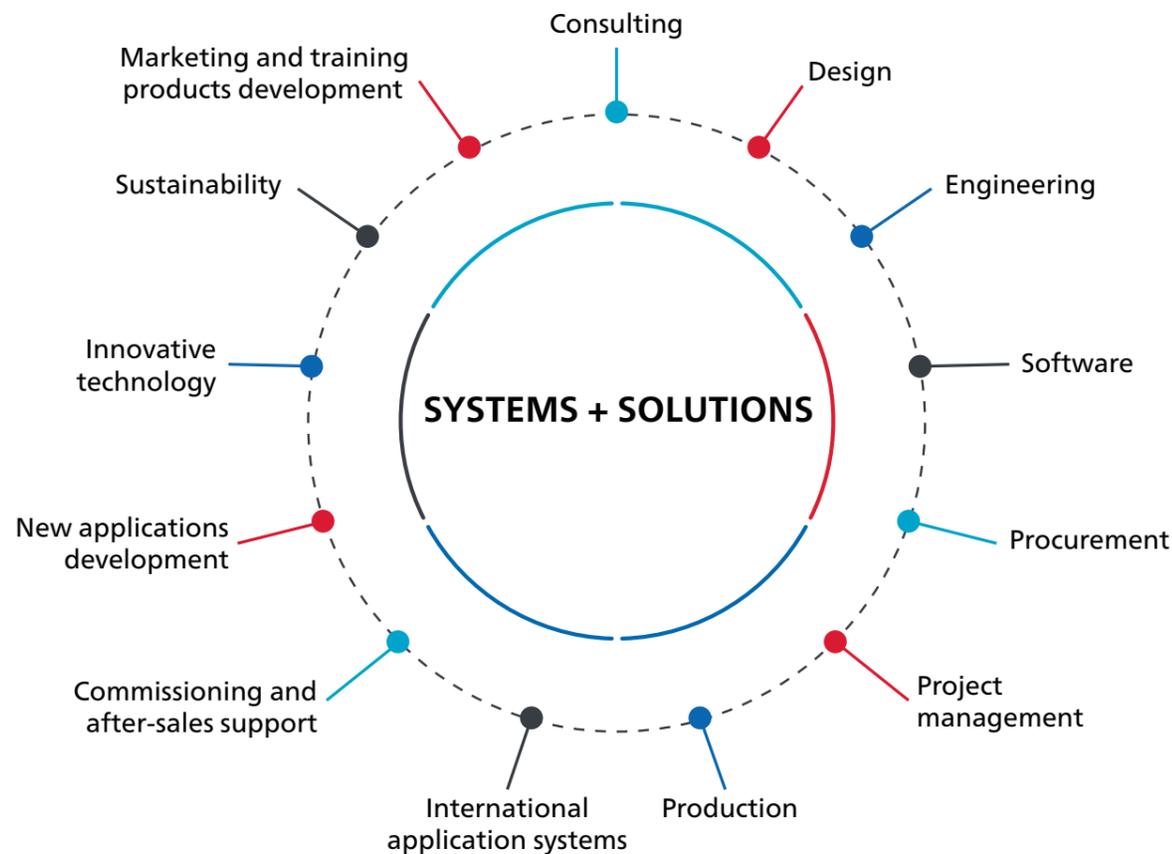
Partnering with our customers for better solutions

What is Systems + Solutions

Atlas Copco's longstanding experience in successfully solving our customers issues leads to developing the best solutions in design and manufacture of vacuum pumps and systems. A wide product line developed according to cutting edge technologies and qualified personnel allow us to achieve the highest efficiency, long-term loyalty and trust of customers around the world.

Our systems portfolio varies from standard solutions for common applications through to custom engineered turnkey projects tailored to your needs. Our network is worldwide and we have solutions specialists who are close by you and can support you through every aspect of your project.

Working in close collaboration with your local sales organization, Atlas Copco Systems + Solutions provide support from conceptual design through to project handover. Production sites in North America, Europe and Asia ensure proximity to our customers, providing local design and compliance, assembly, test capabilities and efficient order execution. This makes our team a true global player and a market leader in the field of vacuum systems.



Consulting

At Atlas Copco we are committed to offering innovative solutions that help increase our customers' productivity. Our vacuum experts have decades of experience in understanding specific industrial applications and processes and offer comprehensive collaborative consulting services from conceptual design through to project handover.



Design

We constantly innovate our vacuum pump technology and systems capability to help make your manufacturing cleaner, smarter, economical, and environmentally friendly. We offer state-of-the-art vacuum solutions designed to suit your business now and into the future.



Engineering

Our engineering teams design next-generation vacuum pumps to meet the evolving needs of our customers in diverse industrial applications. These innovations stem from identifying new markets and tapping new business opportunities. These include new technology integrations, system optimization and adoption of the latest technologies.



Software

We are dedicated to delivering a complete solution for your vacuum needs. Our central vacuum systems can reduce operating costs, increase productivity, while improving the working environment on the production floor. Our connected vacuum pumps and systems fully support the latest and most common protocols found in industrial markets today including Modbus, Profinet, Profibus, Ethercat, Ethernet IP. etc.



Procurement

In today's fast-moving, connected world, a sustainable, flexible, high performing supply chain and reliable partners are key to meeting market and customer expectations. Our dedicated procurement team help to reduce risks and environmental challenges, whilst continuously striving to deliver greater effectiveness, agility, and cost competitiveness to enable sustainable growth.



Project management

With our highly skilled and experienced project managers providing project governance, our customers can always be assured that project objectives are met and delivered in an efficient and timely manner. Our methods and techniques encompass all requirements to ensure project deliverables satisfactorily meet our customers' acceptance criteria and comply with agreed parameters.



Production

Our production teams are attuned to the evolving needs of customers, and strive to deliver vacuum equipment, exhaust management systems and services on-time, every time.



International application systems

Our central applications group and regional networks of application specialists are on hand to offer expert support throughout your selection and installation process. Our expertise and in-depth knowledge enables us to offer comprehensive design and systemization solutions.



Commissioning and after-sales support

Our service solutions are designed to help you get the most out of your vacuum systems investment. We combine analyses of production data with expertise in order to enhance your productivity and quality. Our service capability guarantees fast and efficient support in your local language and offer tailor-made solutions for your maintenance requirements.



New applications development

We understand your challenges when it comes to vacuum and environmental requirements. We take pride in our recognized global position as a leading supplier of vacuum and environmental solutions in support of our customers productivity targets.



Innovative technology

Innovative solutions including dry and wet vacuum technology.



Marketing and training products development

Our global marketing promotes our extensive product range through performing market research, marketing plans and product development; as well as strategically overseeing advertising, promotion, distribution for sale, customer service and public relations.



Sustainability

Our innovative systems and services support our customers' productivity, reduce cost and help them meet their sustainability ambitions.

How we work



Systems+Solutions portfolio

Central vacuum systems

Our global teams specialize in process vacuum, heat transfer and mass transfer applications in the process sector. We provide centralized vacuum systems and services to the food, glass, brick industry and many more. We have a dedicated team to support customers globally in the design, development and installation of multi-stage systems for a range of applications.

For a complete list of industries and applications we serve, please contact your local Atlas Copco representative.



Liquid ring vacuum pump systems

For more humid and complex applications, our project team can develop tailored and specific systems to suit. Our liquid ring pumps form the backbone of multi-stage systems in materials of your choice to the specifications you need. With the help of our vacuum engineers, the possibilities are endless.

Dry vacuum systems

Dry (*Hydrocarbon free in the process*) vacuum pumps play an important part in many vacuum applications and environments and we have a variety of solutions to meet your needs. The main advantage of dry pumps is that there is no lubrication in the main pumping chamber thus eliminating the contamination of the process.



Small vacuum systems with oil-sealed vane pumps

Our tank mounted systems with a control station can be composed with 1 to 3 pumps and offer plug & play installation and with the possibility of pressure regulation. Easy service – each pump can be isolated at any moment.

Two GVC versions are available: Basic and full feature. Oil thermal switch, oil level monitor and overpressure indicator on the filters are provided in the basic version. User-friendly monitoring with PLC controller – MK5 controller on the full feature.



GHS VSD⁺ oil-sealed screw vacuum pump and DRB booster installation at Tönnies, Germany

Scan the QR code to learn how Tönnies is saving up to 50% in energy costs at their meat processing center.



Difference between standard systems and specialized systems?

Our application expertise and in-depth knowledge of your industry makes it possible for us to offer a comprehensive package of design and systemization solutions customized for your application.

Standard systems

From food packaging, electronics, glass bottle and can production, paper printing, toothpaste degassing, automotive parts handling, pharmaceuticals conveying, plastic extrusion, woodworking, brick and clay manufacture, to almost all general manufacturing, utility vacuum is everywhere, and our standard vacuum systems can give you the performance you require, with a low cost of ownership making your process environmentally friendly.



Specialized systems

As a leading innovator in the industrial vacuum market, we have continued focus on energy efficiency that translates into savings for our customers. Whatever the application, we can provide an apt vacuum solution. Our vacuum specialists are constantly improving the performance of our products, targeting new application areas and meeting new challenges.



Our global presence

Our markets are geographically dispersed and the industrial vacuum applications we build solutions for are varied. This makes us a true global player and a market leader in market systems.



Bolton, UK



Cologne, Germany



Lutín, Czech Republic



Kerpen, Germany



Pittsburgh, USA



Pune, India



Tianjin, China

