



**WHEN IT COMES TO OEM'S CHALLENGES,
WE NEVER GIVE UP**

vacon
DRIVEN BY DRIVES

CHALLENGE US!

We have a strong experience in solving OEM challenges for various industries. In fact, we have probably already solved many similar challenges you are pondering. We have the passion, focus, commitment and ability to operate as your reliable partner helping you to produce high-end machines.

Your challenge is our mission

You face a challenging task of survival in the machine building: the changing world requires new ideas in marketing, technology, production and delivery chain to keep the business growing and profitable. This ever changing environment demands you to improve your machine. Increase the efficiency, change from leaking hydraulics to clean electricity, provide smooth control with longer lifetime and integrate your machine to overriding management systems.

Vacon AC drive technology combined with our outstanding global concept for the OEM guarantees that you excel in the physical size with competitive price and designed performance.

Include AC drives in your scope of supply and increase your business

Your customers appreciate integrated systems from one supplier. You can provide verified performance of your integrated machine. You can provide fast commissioning and clear responsibility.

Optimized drives solution

Vacon helps you to select the right drive, dimension the motors, define the software, control EMC, avoid harmonics, and specify enclosures.

Vacon, the Partner with the network

Vacon works with the proven network. Vacon is a reliable partner throughout the entire lifecycle from R&D to after market services. Vacon is global - Driven by Drives worldwide support for your customers and your manufacturing sites.

Top class drives

We offer AC drives from 0.25 kW to 5 MW for tailored OEM products and customer specific applications. You can develop your own integrated features or select one of the standard software sets. Vacon software tools make your testing and commissioning easy.

Vacon provides top class drives for standard AC motors all sizes, for permanent magnet motors, for high-speed motors, for low-speed motors and for torque motors.



World wide services

Vacon has the ability to analyze requirements of OEMs and deliver solutions to the needs. Vacon has a customer-based product development, research and logistics, support for tailored application software, direct factory support for tailored software and hardware products, local presence near you, global network, an extensive network of specialists, in-house application know-how, indepth training and an assigned care manager for after market services.

Our operations model

Vacon operates close to you and supports you as locally as possible, Vacon has a dedicated OEM Support team that provides tailored support for selected OEMs.

Vacon also offers you

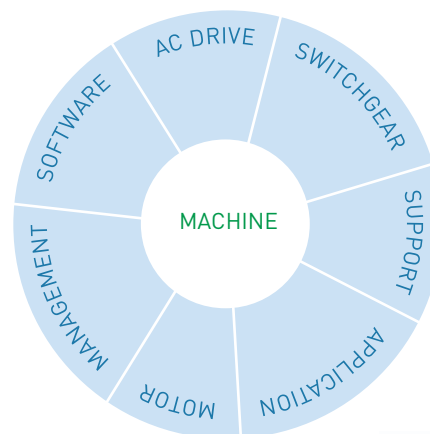
- Extensive technical analyses
- Commercial studies and comparisons
- Modifications of software and hardware of the product
- Tuning of production, logistics and after market services

As a Vacon customer you will receive superior support for your application and quick deliveries. As an OEM customer you will receive even tailored solutions and support.

Vacon in brief

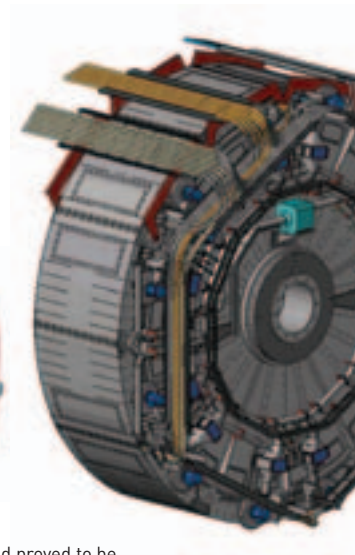
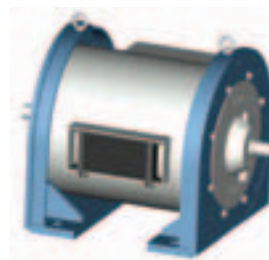
Vacon Group was founded in 1993 for one purpose only: to create, develop and provide AC drives worldwide.

Ambitious to meet the most demanding needs of clients seeking top performance, easiness and reliability, Vacon offers AC drives in the power range of 0.25 kW up to 5 MW.



Vacon AC drives are a wide product family: Wall mounted air-cooled and liquid-cooled modules, standalone modules, cabinets, wide switchgear systems.

AC drives, DC-fed drives, regenerative active front ends, low harmonic drives, control interfaces and user interfaces.



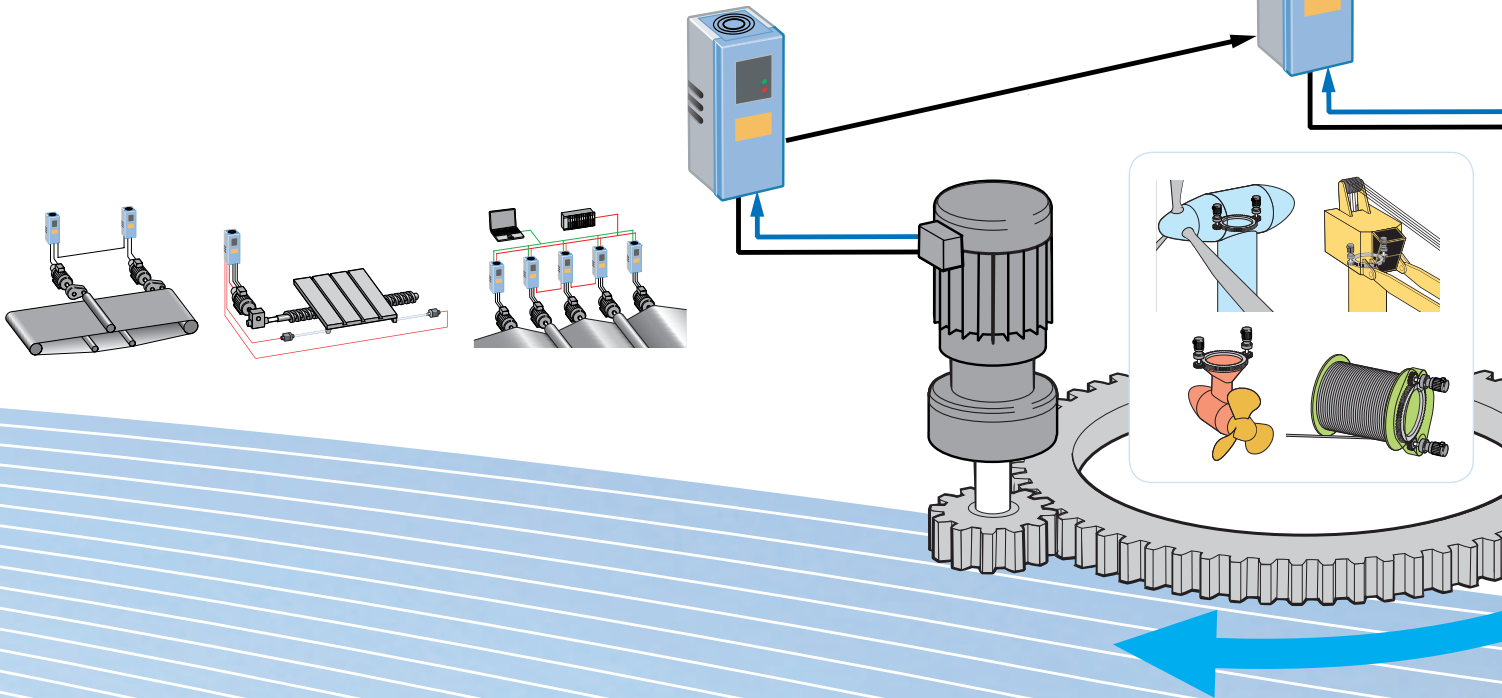
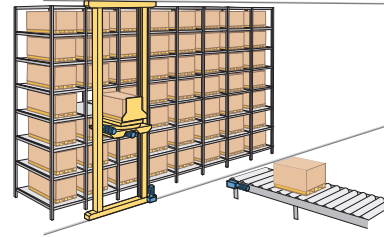
The motor controls of Vacon AC drives are designed and proved to be compliant with special motors and generators. Asynchronous and synchronous permanent magnet motors in low-speed and high-speed ranges with a different design. PM motors in IEC frames, integrated axial-flux motors, high-speed motors and windmill generators.

PROVEN EXPERIENCE IN VARIOUS APPLICATIONS

Our wide experience of various industrial areas guarantees top-class services to you also in other OEM segments. Challenge us! We have very likely already solved similar challenges.

Machine building and material handling

AC drives have changed machine design more and more from mechanical, hydraulic systems to AC motor based solutions. The precise torque and speed control of permanent magnet motors and standard AC motors allow you to build your dream machines, which offer an extremely wide speed range together with most flexible application software and useful connection features.





Plastics

Quality products in the plastics industry can be made only with the precise control of speed and torque. Vacon AC drives provide precision from single machines to most complex production lines. Vacon AC drives run all machines in the plastics industry from raw material handling to extruders and from in-line machines to packing machinery.

People movement

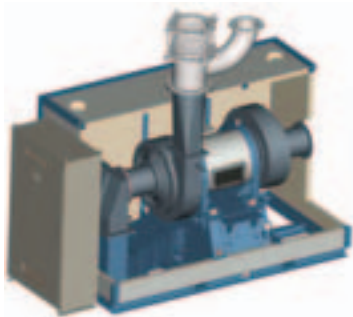
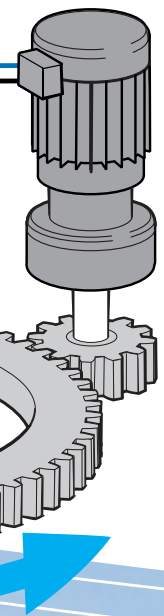
Elevators and lifts require absolute safety that Vacon AC drives solutions provide. Vacon engineering for long lifetime provides the reliability that the users appreciate. The elevator users will love the smooth riding experience that only Vacon AC drives control can offer.

Flow control

Air and liquid move with precise process control, which allows considerable energy savings to be achieved by Vacon AC drives.

Vacon AC drives give the freedom of design for the new generations of flow control machines. Motors of various kinds - asynchronous, permanent magnet and high-speed motors with revolutions of tens of thousands of rpms are easily driven by Vacon. The control structure is simplified by concentrating all controls on converter logic.

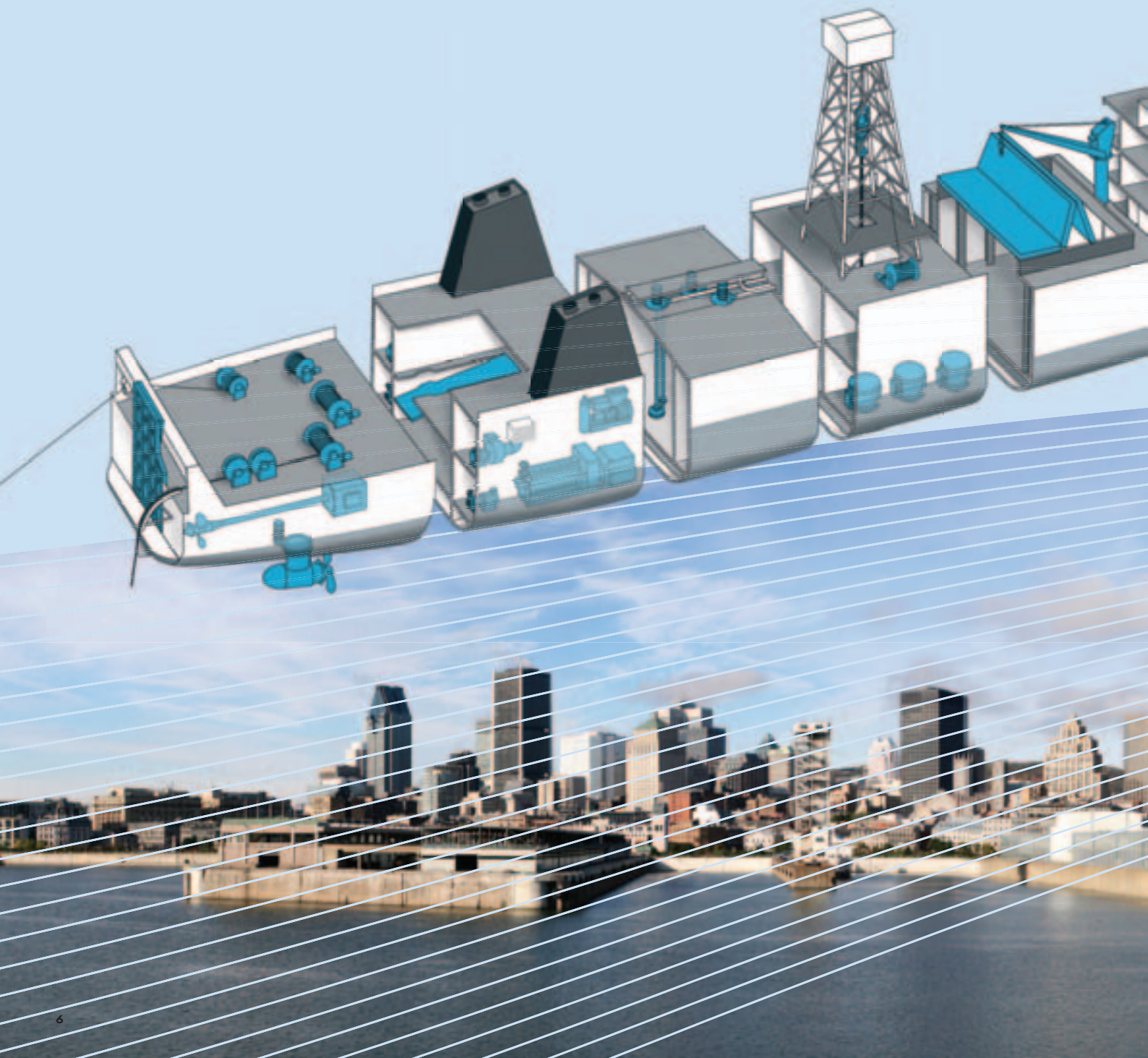
- Industrial pumps and pump systems
- Industrial fans, blowers and air movement systems
- High-speed compressions, fans, blowers and vacuum systems
- High-speed pumps and pump systems
- Screw compressors

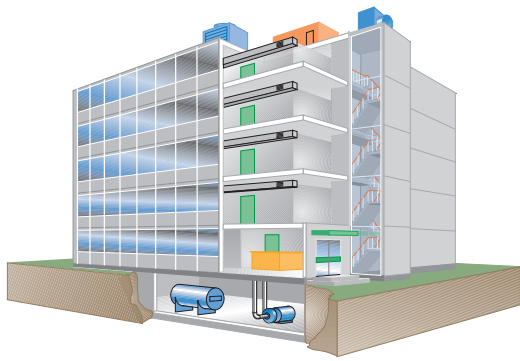


PROVEN EXPERIENCE IN VARIOUS APPLICATIONS

Marine and offshore

Requirements in marine and offshore rise from the ambient conditions and also from the supply network of vessel and space and fuel save requirements. Tens of thousands of Vacon AC drives are already running onboard vessels of every kind. They vary from the smallest helper drive to the megawatt's propulsion and from the simple ventilation to the most complicated winch systems. And all of them are build to last. Vacon AC drives fully comply with the rules the marine approval societies.



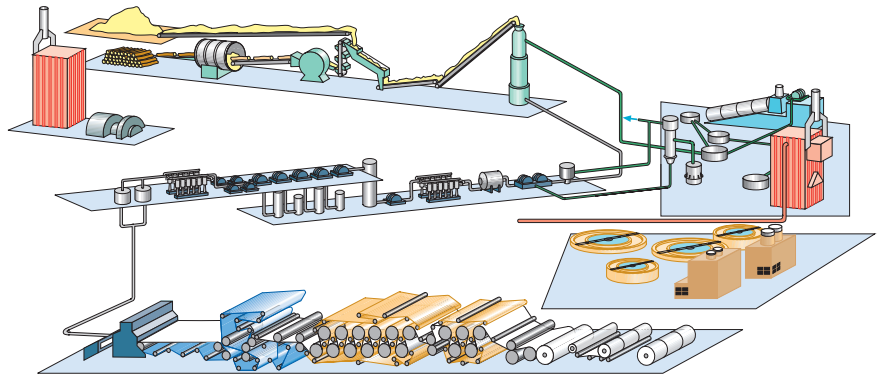


Heating, ventilation and air conditioning

Vacon AC drives add to building automation intelligence, contributing to a comfortable, safe, and healthy atmosphere in all kinds of buildings. Pump and fan systems in particular enjoy considerable energy savings from the use of variable speed technology.

Pulp and paper

Vacon has long been known as a reliable supplier of technology for machines used from stock preparation to paper machines and final processing.





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