Implementing Complete Drive and Control Solutions
Your Demand Is Our Challenge: 
You Define the Task – We Supply the Solution

Economy Counts
We owe that to our good name as a market leader. Rexroth guarantees the highest product quality, a long life, fast, global and local presence. The possibility, of utilising synergies within our group creates measurable advantages to the customer.

The creation of the highest quality and lowering of costs in the interest of the client require e.g. the most modern simulation technology, such as the analysing of vibrations and deformations in hydraulic and other systems. All calculations for multidimensional sequences of movements and 3D presentations of complex processes are included in this performance spectrum.

The supplying of perfect technology is not enough to survive the hard competition. What is required are additional services such as consultation, training, research and development, tailor-made for each project.

And this is where Rexroth Systems and Engineering takes this decisive service step further: we impart know-how, provide good connections and ensure that technology functions just as it should do.

Like no other drive technology, hydraulics are characterized by high operational reliability, high power density, compact build, permanent robustness, minimum maintenance requirements, and, in conjunction with control electronics, by excellent controllability. These are ideal prerequisites for a wide spectrum of applications.

Rexroth – Your Solution Partner
For each application, there is a specialist department at Rexroth Systems and Engineering – these “Corporate Centers of Competence”, formed by engineers with decades of experience in hydraulic drive and control focused on application areas.

Customers, e.g. designers of technical installations are often faced with a wide range of technological disciplines which they have to implement into their product.

The strategy of offering application-related package solutions (up to turn-key) is of decisive advantage, especially for the plant designer and operator.

They can concentrate on the key questions of project planning without having to deal with the Drive & Control system itself. The customer is able to ask for performance instead of technical details.

Especially if it comes to highly sophisticated drive and control functions this implementation turns out to become very demanding and therefore one of the success factors to the whole installation created by the customer.

That is where Rexroth Systems and Engineering comes into place. We have specialized in implementing complete drive and control systems into the clients products and installations, generally on a turn-key basis. Rexroth Systems and Engineering is able to select a close-knit team from its staff of experienced, creative and highly trained engineers and project managers, experts in the field of each specific application.

The unique marriage between application know-how with Drive & Control technology could be ideally achieved for the benefit of the customers of Rexroth.

Like no other drive technology, hydraulics are characterized by high operational reliability, high power density, compact build, permanent robustness, minimum maintenance requirements, and, in conjunction with control electronics, by excellent controllability. These are ideal prerequisites for a wide spectrum of applications.

Your Demand Is Our Challenge: 
You Define the Task – We Supply the Solution

Economy Counts
We owe that to our good name as a market leader. Rexroth guarantees the highest product quality, a long life, fast, global and local presence. The possibility, of utilising synergies within our group creates measurable advantages to the customer.

The creation of the highest quality and lowering of costs in the interest of the client require e.g. the most modern simulation technology, such as the analysing of vibrations and deformations in hydraulic and other systems. All calculations for multidimensional sequences of movements and 3D presentations of complex processes are included in this performance spectrum.

The supplying of perfect technology is not enough to survive the hard competition. What is required are additional services such as consultation, training, research and development, tailor-made for each project.

And this is where Rexroth Systems and Engineering takes this decisive service step further: we impart know-how, provide good connections and ensure that technology functions just as it should do.
Project implementation is carried out in close cooperation with the client, with optimum communication and transparent project management being the most important pillars.

Advice geared to the specific industry
Feasibility tests
Engineering
Development of customized components, drives, simulations and animations
Programming, parameter assignment, prototype testing and optimization
Interface matching, repair, maintenance and modernization
Supply of tested units, supervision and training
Supply of original parts
Installation and commissioning
Warranty

Stage Technology  4
Entertainment  6
Motion for Training  8
Testing and Simulation  10
Systems for Research  12
Energy Technology  14
Materials Handling  16
Civil Engineering  18
Shiplifts  20
Dredging  22
Offshore  24
Special Technologies  26
ABS Hydro Cylinders  28
Drive & Control system packages for following applications:

**Understage machinery**
- stage platforms
- actor lifts
- orchestra platforms
- revolving stages
- trap doors
- scenery decoration lifts
- stage wagons

**Upperstage machinery**
- fly bar hoists
- point hoists
- lightning bridges
- portal bridges

**Safety equipment**
- fire curtains
- smoke vents

**Special decoration sets**

**Electronic controls for**
- regulated drives
- controlled drives
- power packs

E-Mail:
stage-technology
@boschrexroth.de

Act, for Play: Rexroth Systems and Engineering in Stage Technology
Today hydraulic and electromechanic drives are used according to the requirement profile of the individual system. In the classical use of hydraulic linear drives, the advantages are obvious: They are powerful and silent.

Due to the high power density, the dimensions of machines are significantly smaller than those of electro-mechanical drives. Hydraulic rotary drives are used in cases, where linear drives cannot be applied due to the required strokes or other conditions.

Nevertheless in some cases depending on the requirement, an electrical drive may be the adequate solution.

That is fine with us. We do provide these also. Rexroth Systems and Engineering takes the customer’s view and decides what drive fits best under the given circumstances.

Our control systems serve both hydraulic and electrical drives. It has matured during many years of practical experiences in the field of stage equipment and meets all the demands regarding safety, simple operation and modular design.

The control system architecture is designed as decentralized and operates according to the “shared intelligence” principle and ensures maximum availability.

Theaters and operas all around the world count on proven and innovative systems by Rexroth Systems and Engineering – in every performance.
The expectations of the today’s theme park visitors are high. To be able to build these kind of rides, manufacturers depend on the expertise of drive and control specialists.

Starting with a creative idea from a design to a solution, Rexroth Systems and Engineering is specialists in transferring the idea into a complete drive and control system, including electronics and software. The best combination of technology will be chosen, based on our long year application know-how, to meet the best performance and all safety requirements. All drive possibilities will be considered, electrical, mechanical, pneumatic and hydraulic.

Many years ago a carrousel was one of the most exciting things in a theme park. Nowadays visitors want to experience forces of many G’s. They want the perfect illusion.

Holland Rama is a unique attraction. 150 visitors travel on a moving platform up to 9 meters high, 11 meters drive, pitching 15° and turning around 355°. All system responsibility, including steel platform construction and operator desk by Rexroth Systems and Engineering.
Motion systems

Drive & Control system packages for following applications:

- moving theatres
- moving floors
- ferris wheels
- attractions

E-Mail:
entertainment
@boschrexroth.nl

Rexroth was responsible for the design and delivery of the total Drive & Control technology for the British Airways London Eye Wheel. It is 150 m high.
Creating the Illusion of Reality – Motion for Training

Motion systems for
· flight simulators
· driver simulators
· cabin crew emergency
· boat simulators trainers
· turret maintenance trainers

E-Mail:
motion-systems
@boschrexroth.nl

Depending on their application, motion bases show different sizes and constructions. Rexroth System and Engineering offers a great variety of motion systems for all imaginable training and simulation purposes.
More and more, simulators incorporate high fidelity hydraulic or electric motion systems to provide the driver or pilot with motion cues, creating the essential perception of reality. With an experience of over 20 years, Rexroth Systems and Engineering has specialized in a wide range of professional motion systems.

Hydraulic motion systems are mainly applied for high payloads such as full flight simulators. These motion systems are equipped with servo controlled motion actuators for which flow and pressure is provided by application designed Rexroth hydraulic power units and control systems.

The electric motion systems are equipped with electro-mechanical actuators with the same high safety standards as hydraulic actuators. These motion systems are applied for both driving and flight simulation.

Nowadays flight and driving simulators are being used for high level training. Not only aircraft crews but also drivers of trains, trucks and operators of cranes are trained in simulators, decreasing costs and risks during the training period.

Simulators for training cabin crews offer an economic way of training the on board procedures. The Rexroth motion systems underneath the aircraft mock-ups support the realistic sensation of any event cabin crew can be confronted with on the job.

Simulating reality means providing illusions. Rexroth motion technology brings illusion close to reality.
Putting Ideas into Practice: Testing and Simulation

Rexroth Systems and Engineering has identified the requirements of the industry and now offers customers bespoke technology to solve their testing and simulation tasks.

The resulting specialisation required for the individual sectors, the product fields for testing and simulation services have the following structure:

**Testing equipment**
Testing equipment for testing the durability of vehicles has a modular structure. The use of standardised subassemblies combined with intelligent engineering yields individual concepts, which can be integrated in the individual testing equipment in the form of self-contained overall systems.

**Testing of functions and components**
With the testing rigs in the form either of testing function rigs for hydraulic components/vehicle components or of testing component rigs for testing the durability of vehicle components, weak points are identified and eliminated, and product quality is documented.

**Central hydraulic power station**
Typical test centers of car manufacturers and OEM car part suppliers need to supply a wide range of hydraulic actuators of different testing and simulation equipment.

For this purpose it is of high advantage to install a central hydraulic power station with a programmable controller to control the pressure supply. This comprises inhouse pipework with a pressure, tank and leakage oil line, the shut-off valves and monitoring sensors.

Equipment for testing covering everything in the Drive & Control field for operational tests on components
Real and inverse crash facilities
The automotive industry continuously is facing demands for tougher safety standards which has been compelled to build high-precision test equipment.

Real and inverse crash facilities are the answer to this question. They are used in the laboratory to investigate accident situations to get information about the passive safety of the vehicle and its components.

Inverse crash facility: By converting deceleration into acceleration it is possible to simulate a situation from standstill which would occur due to collision with an obstacle at high speed. Outstanding advantage: The specimen does not get destroyed and the test can be performed several times for little costs to the user.

Real crash facility: The prepared vehicle is moved precisely by a hydraulic drive unit to crash against an obstacle.

Testing function rigs: For quality assurance, semi- or fully automatic test installations are employed to measure such physical variables as pressure, flow, leakage flow, frequency response as well as for function testing.
Drive & Control system packages for following applications:

- “Iron Bird” full scale aircraft test benches
- static and dynamic torque load test systems
- central hydraulic power systems for hangars
- transmission test benches
- vibration test stands
- shaker tables
- test rigs for offshore structures
- wave generation systems
- measurement carriages

E-Mail: research-systems@boschrexroth.nl

Sophisticated drive and control systems generate various wave spectra in basins of flumes of hydrodynamic laboratories – from shallow water basins for coastal engineering to deep water applications for offshore and shiphydrodynamic research.

Four hydraulic high speed, dynamic rotary actuators are forming the heart of this test bench. This versatile research machine is built for torque loading and angular movement tests on mechanical parts, including high frequency, endurance and fatigue load tests.
Controlling Waves, Vibrations and Torques: Systems for Research

Nowadays the possibilities for simulating processes and circumstances are expanding rapidly. Research and development laboratories are dealing with ever increasing demands for their facilities. Research laboratories for the offshore industry for instance, are faced now with deep sea technology, specific offshore demands and highly realistic wave generation.

Rexroth Systems and Engineering provides wave generator systems, including application software, planar motion mechanisms, adjustable floors and measurement/high-speed carriages for the leading ship hydro-dynamics and coastal engineering and hydraulic research laboratories all over the world.

Thanks to long experience in different fields of simulation technology, Rexroth Systems and Engineering is able to provide state-of-the-art drive and control solutions for research and testing purposes, including wave computation, wave generation software and active wave reflection compensation.

Almost everything that is functioning well has a history of research and development. Shipbuilders test their designs as thoroughly as possible in seakeeping and manouvrering basins. Drive and control technology makes it possible to position the ship model in these basins.
Control Systems for the Turbine Sector: Energy Technology

In cooperation with the German turbine construction industry, Rexroth Systems and Engineering has replaced the previously used low-pressure control concept with an innovative high pressure control concept for the pressure range of 100 to 160 bar. This concept applies especially to the applications of gas and steam turbines.

Steam turbine during assembly. Steam valves and their actuators are mounted on both sides.

Drive & Control system packages for following application:

**Steam Turbines**
- oil supply unit
- actuators for power control
- control actuators for bypass stations

**Gas Turbines**
- oil supply unit
- complete solutions for fuel control (hydraulic control actuators and fuel valves)
- lifting oil systems
- turbine starter

E-Mail: energy-technology@boschrexroth.de
Hydraulic actuator for steam turbine applications. These servo cylinders are fitted with directly mounted control blocks.

The advantage of gas turbines over steam turbines is that the entire thermal power can be controlled via the fuel quantity. For mastering the turbine in terms of control and safety, only various systems are required in the fuel circuit.

Generally, gas turbines can be provided with two fuel systems for natural gas or fuel oil. The equipment depends on the final customer’s wishes.

The required control and safety equipment must be rated for different operating methods. It consists of oil and gas valves which are actuated by hydraulic cylinders and controls by Rexroth. In contrast to gas turbines, with steam turbines, the entire thermal power of the turbine has to be controlled by safety and control equipment.

The nominal widths of steam valves, pressures and temperatures are many times higher than that of gas turbines. The hydraulic cylinders used are therefore rated for a higher power demand and provided with larger diameters and spring packages.

These components cover the power range of 60 to 240 MW for gas turbines and 50 to 1,000 MW for steam turbines.
Drive & Control system packages for following application:

**Bulk Handling Machinery**
- ship unloaders
- ship unloader foot dampening
- wagon tipplers
- side arm chargers
- boom hoists
- stackers
- reclaimers
- mechanical or electronical cylinder equalizing

**Open Mining Equipment**
- conveyor drives & tensioners
- bucket wheel drives
- surface miners
- tripper cars
- transport crawlers

**General Cargo Handling**
- luffing cranes
- modernization concepts
- floating cranes
- mobile harbour cranes

**Container Handling**
- antisway systems
- trim/list/skew controls
- snag protection for quay cranes
- boom derricking
- automated guided vehicles
- all hydraulic RTGs
- transman
- spreaders
- rope tensioners

**Materials Handling Specials**
- compost gantries
- homogenisation systems
- railway breakdown cranes
- track maintenance cranes
- anode lifting devices

E-Mail: materials-handling@boschrexroth.de

Continuous Ship Unloader with 5 independent hydraulic systems, cylinders and gear sets
Masses in Motion: Materials Handling

Typically, the Rexroth’s applications are characterized by the internationality of the business and competition with traditionally prevailing electro-mechanical drive technology.

Its characteristics set the measuring standard for our hydro-static alternative: Operability, operational safety, reliability and life-cycle costs must be equal or better – which they are.

The systems comprise the entire Rexroth product range, but depending on application, we rather tend towards the use of “industrial” instead of “mobile” products. In the field of materials handling, we therefore speak of “industrial hydraulics in mobile machines”.

The Rexroth Drive & Control concept with power packs, cylinders, gearboxes and electronics are tailored to the application at hand, but consist of components from our standard product range.

This ensures international availability of spare parts and local service knowledge. Apart from this, in the regional Centers of Competence, Rexroth offers a network of system advisors who, in cooperation with us, provide comprehensive advisory service for customers’ specific problems and speak their language – in any respect.
Hydraulic Technologies in Civil Engineering

To protect man from the elemental force of water and, at the same time, make the most use of water power – hydraulic technologies with hydraulic steelwork are able to accomplish both. Opening flood and lock barriers, produce energy in weirs and dams, lift and lower ships, move bridges – Rexroth Systems and Engineering proves its competence in all fields – worldwide.

In close cooperation with planning and operating companies of such plants, Rexroth has developed hydraulic drive systems for hydraulic steelwork.

Like no other drive technology, hydraulic systems offer high operational reliability, high power density, compact design, permanent solidity, minimum required maintenance and excellent regulating capacity combined with control electronics – which are the best conditions for hydraulic steelwork.

Innovative technologies, such as the development of Ceramax piston rod coating or of the position sensor system CIMS, contribute to the increase in solidity, corrosion resistance and thus service life of hydraulic drives.

The use of servo or proportionally controlled pumps enables infinitely variable adjustment of travel speeds and acceleration and deceleration times, accurate synchronous control and energy saving as well.

Inside the Panama canal lockage, one of the world’s largest water-ways, you will find Rexroth Systems and Engineering know-how.

Most advanced hydraulic drive technology facilitates optimum opening and closing times up to wind velocity 10 at the flap bridge in Sevilla.
The Delta-Plan-Project – an ambitious project to protect the Dutch coast. The flood barriers on the Nieuwe Waterweg are moved by Rexroth hydraulic systems.

Sir Dam in Turkey equipped with hydraulic technology from Lohr am Main.

Replacing mechanical drives by hydraulic drive technology. The benefits of hydraulics are obvious.

Drive & Control system packages for following application:

- weirs
- dams
- ship locks
- ship lifts for waterways
- flood barriers
- movable bridges
- roll-on-roll-off bridges
- watering systems

E-Mail: civil-engineering@boschrexroth.de
Handling Gigantic Masses by Rexroth: Shiplifts and Transfer Systems

Ships start their life on land and return there once in a while for overhaul, repair or maintenance. A sophisticated and efficient way of lifting, lowering and shifting such heavy weights is by using a shiplift system.

Shiplift systems are superior to other docking systems, because ships can be transferred from the platform to a parking area, leaving the shiplift free for other docking activities. Therefore the shiplift system in general includes also a transfer system.

In the past, the first shiplifts were driven by hydraulic cylinders. In the early eighties, Rexroth supplied its first winch driven shiplift.

Nowadays the company supplies shiplifts with hydraulic or electrical drives. Shiplift systems are often supplied on a turn-key basis, including steel structural platform, transfer system and erection.

Even a mammoth tanker is easily carried away with the help of a hydraulically driven transfer system on the shiplift installation at Stralsund, Germany.
Lifting a ship out of the water means more than just wheeling it up. Here, on the Navy shipyard at Den Helder in the Netherlands, special hydraulic provisions on the shiplift keep the vessel in its horizontal and vertical position.

Now and then even submarines have to expose themselves to the light of day. For this shiplift at the Kockums Shipyard at Malmö, Sweden, it is a routine job.

The tanker “Michaela S.” is ready for launching. Within a few hours, this biggest shiplift in the world will lower the ship smoothly in its element with the help of 100 electrically driven machines.
Up to Date Technology Serves a Strong Tradition: Dredging

Drive & Control system packages for following applications:

**Trailer suction hopper dredgers**
- bottom doors and upper doors
- overflow and self-emptying
- gantry and winches
- nautical winches and bow coupling
- dragheads and suction pipes
- auxiliaries

**Cutter dredgers**
- cutter drive
- front and ladder winches
- spudhandling and spud-carrier

E-Mail: dredging@boschrexroth.nl
The dredge industry strongly depends on specialized drive and control technology. The majority of the dredging fleet is equipped with Rexroth drive and controls.

From engineering, production of power packs, valve blocks, cylinders and pipe work, to the commissioning on site, anything can be realized within the Rexroth group of companies. Particularly the Netherlands has a long dredging tradition. No wonder the Rexroth’s S & E Center of Competence for the dredge industry is located in this country.

Besides the dredging vessels, Rexroth S & E is experienced with the drive and control installations of a wide range of special vessels for flood barrier construction.

Deepening seaways, rivers and harbours is usually a job for the dredging fleet. Those dredging vessels are specially designed for their jobs. Hopper dredgers mainly dump their load by opening bottom doors. Other vessels unload by simply splitting up their entire hull.

A hopper dredger is like one huge floating hydraulic installation. Almost all functions on board the ship are hydraulically driven. Rexroth provides them all.
Hydraulic Drive Systems and Cylinders for Offshore Applications

The offshore industry is considered as an important pillar of today’s economy. This type of industry makes high demands on drive and control installations.

The hostile environmental circumstances make designing offshore drive installations a speciality. Rexroth Systems and Engineering has been successful at the completion of a large number of projects in this field.

Over the years, the integrated project approach has proven to be successful. In-house design and manufacturing of heavy duty hydraulic power units and hydraulic cylinders, electro-mechanical drive systems, software and controls.

Offshore installations are mostly one off and unique. Such a project is often a combination of several technical skills including planning, project management, control technology and sometimes even steel constructions. Having all these disciplines in one hand, is quiet unique and helpful for limiting project risks.

In the past 30 years, a large number of offshore projects were realized – from the early stage of conceptual design, through detail engineering and project management, to full operational world wide service.
Drive & Control system packages for the following applications:

- heave compensation
- skiddings
- jackings
- deckmating & deck removal

Control electronics

ABS Hydro Cylinders

E-Mail: offshore@boschrexroth.nl
Special technology activities support the application of Rexroth components and systems for military vehicles and ships.

Rexroth Systems and Engineering supports programmes for military uses by product qualification, testing, certification and product modification to comply with military specifications.

The demands on military application are exceptional. Highest efficiency, use under extreme conditions, high availability, quality and easy operation are essential.

Therefore the systems for special technology applications are based on proven products manufactured in large-scale series and designed for industrial applications by Rexroth.

These products are modified and qualified to meet the specific military demands.

The permanent search for solutions, even for exceptional tasks, has resulted in the continuous development of sensors and actuators and thus in a wide spectrum of electro-hydraulic controls.

Drive & Control system packages for following applications:

- **Wheeled and tracked vehicles**
  - antenna carriers
  - armoured troop carriers
  - recovery vehicles
  - foldable bridge systems
  - mine sweepers
  - combat vehicles
  - anti-missile systems
  - radar/reconnaissance systems
  - other armoured vehicles

- **Ships**
  - minesweeping systems
  - submarines
  - frigates

- **Amphibious vehicles/ferries**

- **Simulators**

- **Test benches**

- **Washing plants**

E-Mail: special-technology@boschrexroth.de

Building bridges: In close cooperation with our customer Rexroth specialists develop tailor-made control concepts on the basis of thousandfold proven standard components.

Submerged: Whenever reliability is required for survival, it is reassuring to have Rexroth on board.
Rexroth Systems and Engineering is well equipped and staffed with experienced, skilled engineers and project managers to develop and supply complete systems for these applications in this field.

When special quality requirements, such as ISO 9001, AQAP 110, MIL Q 9858A, are to be met, qualified know-how and production facilities are necessary. Low noise level, high shock resistance, low vibration level, low magnetic materials, extended temperature range etc. are common in the field of special scientific and defence applications.

After landing on the ship deck, a helicopter handling system ensures a controlled transfer of the aircraft.

Replenishing ships at full sea is a high demanding operation. Sea conditions up to sea state 6 will change the distance between both ships. Rexroth supplies electric/hydraulic compensating systems to the navies of different countries.

Underway replenishment systems (RAS/FAS)

Helicopter handling systems

Aircraft recovery systems

Drive & Control system packages for following applications:

- frigates
- submarines
- mine sweepers
- mine hunters
- auxiliary ships (AOR, LPD)

E-Mail: naval-systems @boschrexroth.nl
ABS Cylinders: Fit for Purpose

Since 1953 we have been gaining expertise in the sales, design and manufacture of special and standard hydraulic cylinders with piston diameters up to 1,450 mm and stroke lengths of max. 45,000 mm high pressure piston accumulators and pressure vessels.

Fit for Purpose
The hydraulic cylinder design is the result of extensive experience over decades, enabling Rexroth Systems and Engineering to meet the requirements of each specific application. After a newly designed cylinder has been proven in practice, this design concept will be standardized to the benefit of all those involved.

This concept is then classified as the ABS (Application Based Standard).

The ABS cylinders are manufactured by ABS Hydro Cylinders, Boxtel, the Netherlands, for the global market.

Turn-key system solutions
The ABS cylinders are part of a total system solution. The concentrated know-how available in the lines of businesses enables Rexroth System and Engineering to supply total drive and control systems, even on a turn-key basis.

E-Mail: abs-cylinders@boschrexroth.nl
CIAMS: Ceramax Integrated Absolute Measuring System

Over the last two decades Rexroth has gained tremendous experiences with application oriented design both of hydraulic cylinders and piston rod protection. ABS Hydro Cylinders of Rexroth are also been a prominent pioneer in the field of piston rod protection.

Besides the plasma engineered coating process, in 2000 a new HVOF engineered coating is developed. This offers you extra protection for use in hostile, extremely corrosive and abrasive environments. And not only that, these coatings also offer piston rod protection against a variety of aggressive chemicals.

With Ceramax Engineered Coatings Rexroth Systems and Engineering offers the market a unique range of application-based hydraulic cylinders tuned to the specific application.

Rexroth Systems and Engineering is well equipped and staffed with experienced, skilled engineers and project managers to develop and supply complete systems for these applications in this field.

When special quality requirements, such as ISO 9001, AQAP 110, MIL Q 9858A, are to be met, qualified know-how and production facilities are necessary. Low noise level, high shock resistance, low vibration level, low magnetic materials, extended temperature range etc. are common in the field of special scientific and defence applications.

Propulsion Cylinder with integrated CIMS for shield TBM

Glasspress cylinder for tv-screen production machine
Intelligent Hydraulics in New Dimensions

Wherever forces need to be utilized economically, the advantages of industrial hydraulics are obvious – whether it is required to lift and lower loads smoothly, perform linear or rotary movements, achieve constant acceleration, maintain given speeds, approach positions exactly, transmit powers or interlink sequences.

Rexroth is the technology and market leader in industrial hydraulics with a comprehensive product range and distinct application expertise.

At Rexroth you can select from the world’s largest standard product range in the field of hydraulics, application and customer-specific system solutions of high quality. With advanced micro-electronics Rexroth has made hydraulics even more powerful.

For you, Rexroth is the ideal partner for developing highly efficient machines and production facilities – from the first point of contact to commissioning and throughout the entire life cycle. Teams that operate worldwide carry out the complete engineering of your systems and, if requested, up to the hand-over of turnkey systems and beyond – service included.

Thanks to the use of hydraulic drive and control technology from Rexroth you will be more competitive than ever.
Rexroth integrates all services for the entire product spectrum in the field of factory and industrial automation into a single organization: from the creation of the product, commissioning, ongoing operation, to the prolongation of the service life of your system. Based on these essential modules we can offer a unique product portfolio: from speedy direct assistance, via a spare parts, field and repair service, to retrofit/modernization and training.

Rexroth can offer you, as a machinery and plant manufacturer, products that set standards with regard to efficiency and quality. The group’s own production locations, in more than 80 countries all over the world, ensure high product quality. Comprehensive quality management systems implement a standard that guarantees customers worldwide a maximum of safety and reliability – even under harsh operating conditions.

With their expertise, the highly qualified and committed employees have made Rexroth the international market leader – in an economic, technological and innovative respect.

As a successful company, Bosch Rexroth has made the promotion of a responsible and conscientious use of energy and materials its duty, thus setting the course for the future. We are working on bringing economy and ecology in line as far as possible – a task that challenges us daily.

To Set the World in Motion