

Theme Park Rides. Global Solutions



- Gearboxes
- Couplings
- Freewheels

Global Theme Park Ride Solutions

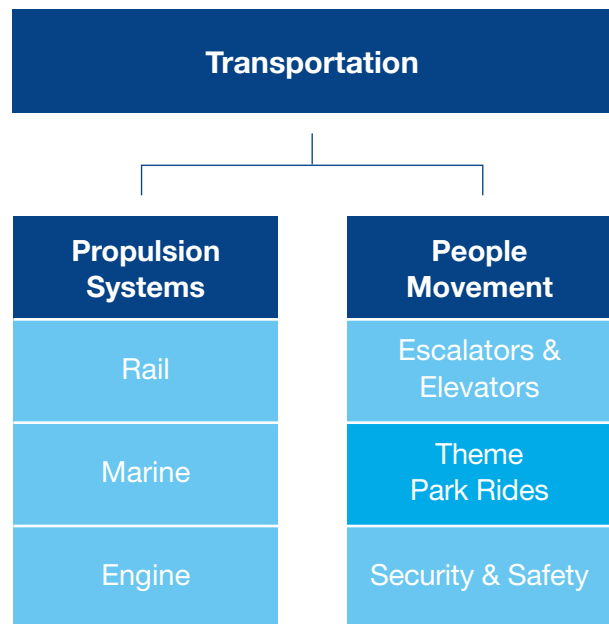
Renold is a global engineering group with over 130 years of experience in the design and manufacture of high-quality power transmission products and application-specific solutions.

Application knowledge and engineering expertise, together with global manufacturing and service, ensures that Renold is your ideal partner – whatever your industry need. It is this unique industry experience gained in demanding global environments that makes the vital difference.

Our skilled engineers work closely with customers to provide a wide range of solutions for critical, real-life applications. Solutions that are proven to stand the test of time – that is why we believe in the principle: ‘Engineering for Life’.

Renold is focused on servicing 9 key industry sectors

- Transportation
- Mining & Quarrying
- Material Handling
- Manufactured Products
- Food & Drink
- Energy
- Environmental
- Construction Machinery
- Agriculture, Forestry & Fishing



People Movement



→ Theme Park Rides

As Theme Parks develop around the world to meet the expectation of thrill seekers, designers continue to create bigger and more exciting rides. Renold provides a complete range of products including gearboxes, chain, couplings and holdback devices for incorporation into the world's most famous rides.



→ Gear Units

Renold supplies reliable, long-service life gear units. Full engineering support will provide the right gearing solution with bespoke designs manufactured to fit your ride, combined with specialist onsite support and commissioning. A full complement of gearing types is available including helical, bevel and worm.



→ Freewheels

Renold offers a wide range of Sprag Clutch and Trapped Roller Freewheels. These precision products are fitted to provide safety at all times. Renold Freewheels ensure that, should there be a drive malfunction, they engage a safety backstopping feature that protects the riders and the ride.



Engineering For Life



→ Hydrastart Fluid Couplings

Renold's soft-start overload protection couplings reduce the loading on the gearbox and ride. Fitted between a non-variable speed motor and the gearbox, this range of oil-filled couplings ensures a soft start to your ride, and also protects and disengages the drive should a problem be encountered.



→ Rubber in Compression Couplings

Renold Hi-Tec PM couplings are fitted on a variety of rides including swinging pendulum types. One coupling is fitted between the gearbox and the swinging arm, and another between the gearbox and the rotating carousel. The PM coupling is maintenance and backlash-free, and gives a reduced noise solution ensuring a safe, enjoyable ride.



→ Engineered Chain

The Renold range of standard Theme Park chains deliver high reliability with excellent fatigue life and wear resistance. Customized solutions include special lubrication options, plating choices (including Hydro-Service® and zinc coating) plus a wide range of attachments and pin-fixing methods. A comprehensive technical support service adds to the security and safety for all Theme Park applications.



Key Industry Sectors

Renold products and services are utilised in a wide range of applications highlighted in the key industry sector brochures, available to download from www.renold.com

Transportation. Global Solutions




Flotation Systems
Pneumatic
Power Transmission




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Energy. Global Solutions



Flotation Systems
Pneumatic
Power Transmission



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Manufactured Products. Global Solutions



Flotation Systems
Pneumatic
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Flotation Systems
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Flotation Systems
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A global power transmission group serving global markets through an international network.

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