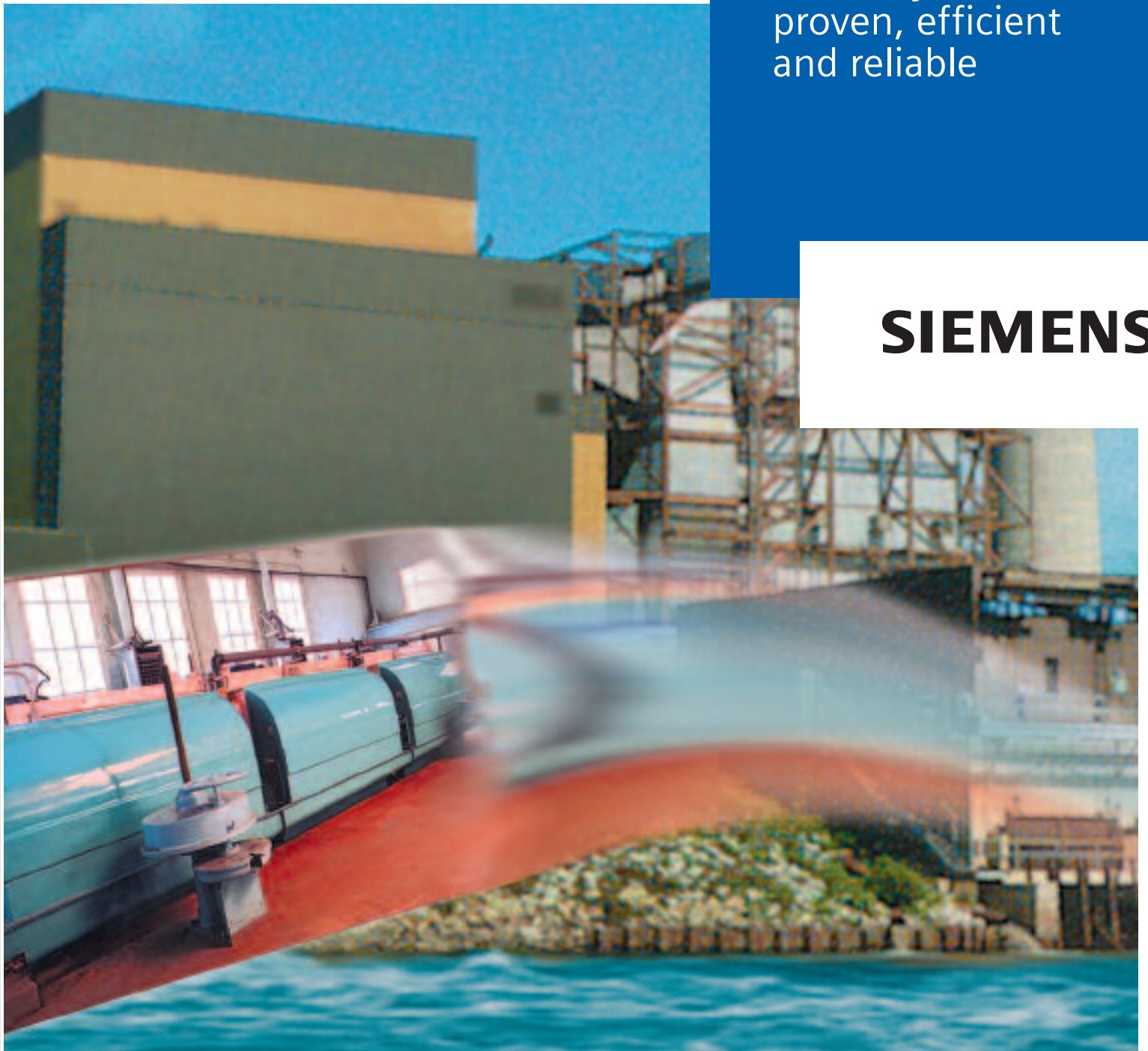


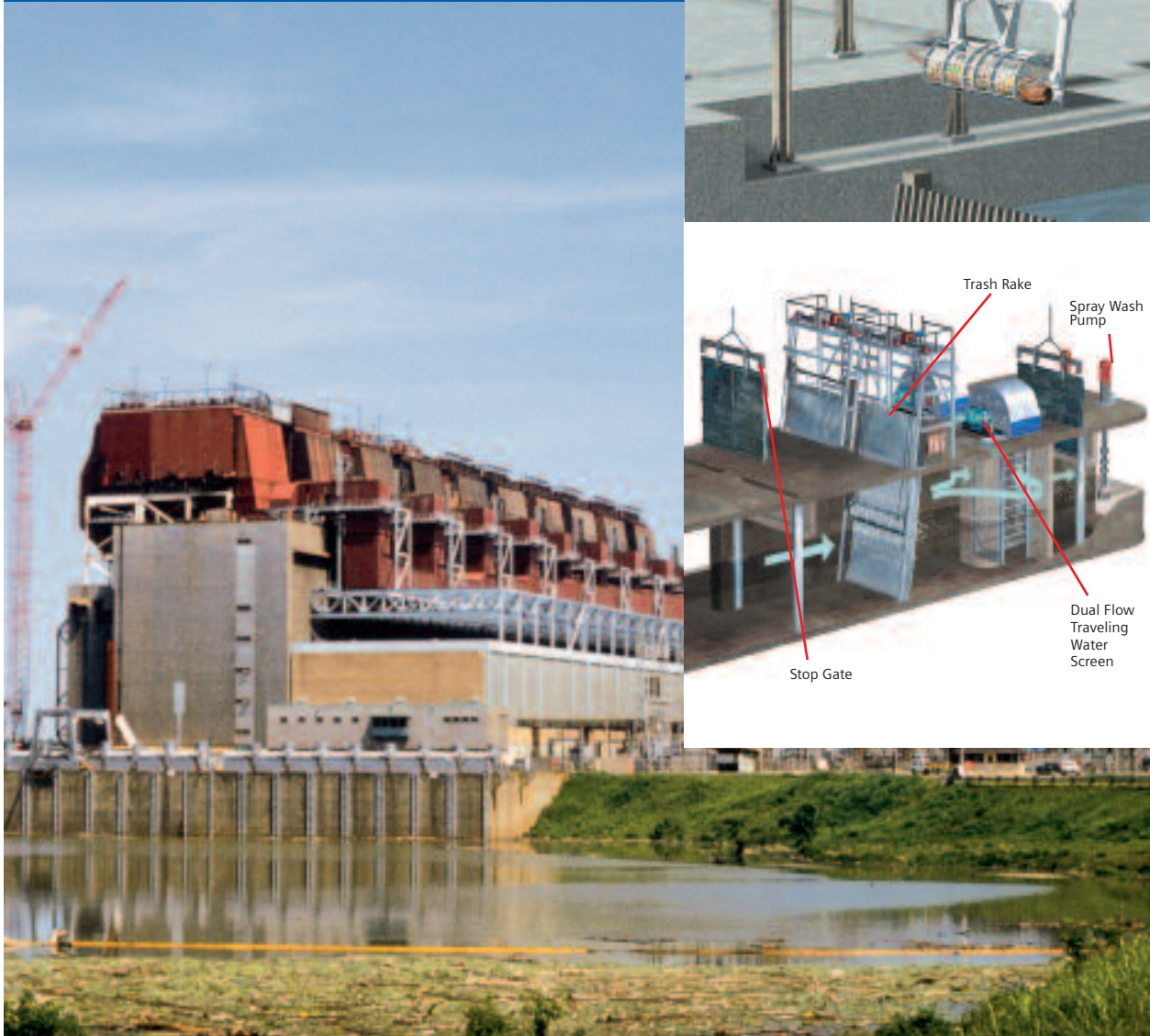
Water Technologies

Rex® and Link-Belt®
Intake Systems:
proven, efficient
and reliable

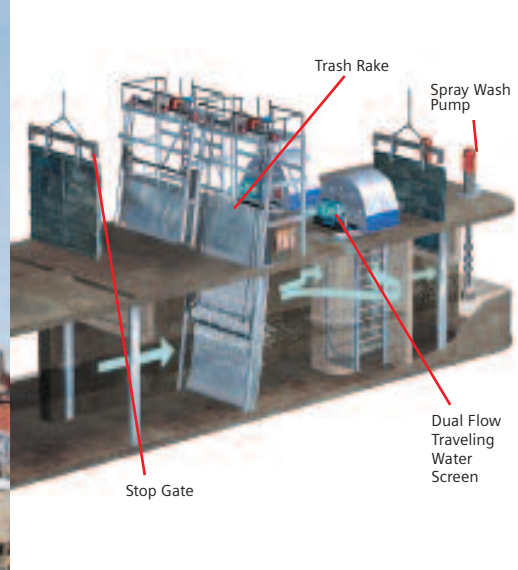
SIEMENS



Unrivalled experience in providing dependable, efficient screening



Trash rake removes heavy debris.



We have decades of experience solving high volume water intake problems under varying site conditions.

Rex® and Link-Belt® intake systems lead the industry

With thousands of our traveling water screens supplied to power generators, municipalities and other industries over the past century, we are the recognized leader in the water intake industry. Our intake screening systems provide clean, debris-free raw water while minimizing ecological impacts, reducing maintenance problems, and extending service life.

A complete system from stop gates through controls

Stop logs/gates prevent water from entering the channel during down-stream maintenance. Bar racks capture rough and larger debris to prevent it from reaching the finer mesh of the traveling water

screen. These racks are cleaned by trash rakes, either stationary or traversing.

Choose from several types of traveling water screens to capture fine debris. In addition, we offer a dependable, user-friendly control system for complete and closely-calibrated control of the entire screening system.

We also provide all the ancillary equipment, from pumps to auxiliary strainers, trash baskets and stationary screens. And - before we leave your site - we can arrange for training for your operating personnel.

The leader in solutions for fish-friendly screening



A Rex® fish screen installation designed with the benefit of our full-scale fish laboratory.

New technologies for fish protection such as our unique integral fish buckets are a proven way to minimize the adverse impact on marine life.



Our Modified Ristroph system meets environmental standards

Cooling water intake systems are the highly visible object of Section 316(b) of the Clean Water Act. These standards mandate very specific requirements for all areas of intake structure operation.

We've been designing, testing and improving fish protection systems since the late 1960's; long before the current regulations were conceived.

As a result, our Modified Ristroph fish handling intake screen systems are all able to meet the new rules.

Whether you need to plan a new intake system or a retrofit, you'll benefit from our experience and our support.

A variety of screen designs for any site condition



Dual Flow Traveling Water Screens



Dual Flow Retrofits



Center Flow Screens

No matter what the site condition or specification, we have the right water screen to meet your needs.

Through Flow Traveling Water Screens

have submerged screen surfaces perpendicular to the intake flow. They collect and carry debris upward where it is flushed into a debris trough. Screen widths range from 2 to 14 feet (610 to 4267 mm) with vertical centers from 8 to 100+ feet (2440 mm to 30 m). Screen mesh openings are sized according to customer requirements and site conditions.

Dual Flow Traveling Water Screens

are essentially Through Flow systems turned 90 degrees, putting the screen surfaces parallel to the intake flow. This doubles the effective screening area and reduces possible downstream debris carryover. It also allows the use of finer screen meshes without increasing flow velocity.

Dual Flow Retrofits

allow an existing Through Flow screen well to be easily converted to Dual Flow operation. Curved flow diverter plates on both sides of the new Dual Flow screen engage the existing embedded guideways and create the “double entry/single exit” flow pattern.

Center Flow Screens

are similar to Dual Flow traveling screens, but direct the flow from inside to the outside of the screen. Side plates block the flow along the outer edges of the channel and direct it inward to the screen. Debris is lifted to the top and flushed away by water and gravity.

Superior systems get superior support



Our divers find and fix potential trouble spots.

Service – the details that make the difference

As good as our products are, they work in a tough environment and sooner or later, they need some attention. That's when our advantages become even more obvious. Our service team divers get to the bottom of the problem - literally. Once there, they replace or repair whatever's needed. While on site, our service teams can also inspect the entire installation to detect and prevent problems.

Our aftermarket service team is known for being prepared and responsive. We maintain extensive inventories of parts for our Rex®, Link-Belt® and Royce™ screen brands. These parts – baskets, framework, drive systems, etc.

– are the same components that went into your original system and their perfect fit and function will return your system to original condition. Through years of continuing research and development, has also developed and made available other upgrades and improvements to our screening technologies.

But we're more than rapid-response repair experts. We're also preventative maintenance specialists. We can develop a program tailored to your needs, conduct scheduled maintenance and provide you with the details of every inspection, repair and recommendation.

Field Services

- Diving and topside inspections
- Screen repairs and adjustments, wet or dry
- Screen installing or extracting
- Intake well cleaning
- Bar rack repair
- Implementing annual maintenance contracts

For further information
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