

# Energy & Data Transmission Systems for Waste Water Treatment





# Solutions for Waste Water Treatment

## Reliable Energy Transmission

### We move your business!

Anywhere goods and people are in motion, you will find custom-engineered solutions by Conductix-Wampfler for the flexible transmission of power, data, and media.

Today more than ever, the performance demands of waste water treatment plants rely on proven, reliable technology.



Slip ring assembly on a circular scraper bridge

Continuously operating machines, such as, linear and circular scraper bridges or mobile sludge drying machines, require reliable transmission of energy, control and data signals. Due to the aggressive atmosphere and continuous movement they require tough products, offering both high quality and long service life.

It's here that the innovative Conductix-Wampfler system solutions have the greatest impact. With over 30 years experience in environmental applications and numerous installed solutions and references around the world, we are your experienced and reliable partner.

Special versions of our high quality products resist the harsh conditions in these aggressive atmospheres, ensuring reliability and low maintenance costs.



Motorized cable reel on a linear scraper bridge

We deliver motor cable reels, spring cable reels, conductor bars, and festoon systems for longitudinal clarifiers. ATEX-certified festoon systems from our C-rail program are available for explosion proof areas.

In circular clarifiers our slip ring assemblies and conductor bars are used. Festoon systems combined with spring cable reels and conductor bars are used in solar sludge drying systems.

Customized solution with conductor bar, spring reel, and slip ring assembly for sludge drying systems



# Solutions for Circular and Rectangular Scraper Bridges and Filter Beds



## Slip Ring Assemblies

### Application

- Main energy supply for circular scraper bridges in various basin types, enclosed or on top of the bridge

### Solution

- Wide range of slip ring assemblies from 16 p to 400 A
- Slip ring bodies with tube passage and stainless steel housing
- Available options: heating + vent plug

### Advantages

- Ability to provide a customized solution (engineering and project support)



## Conductor Bars

### Application

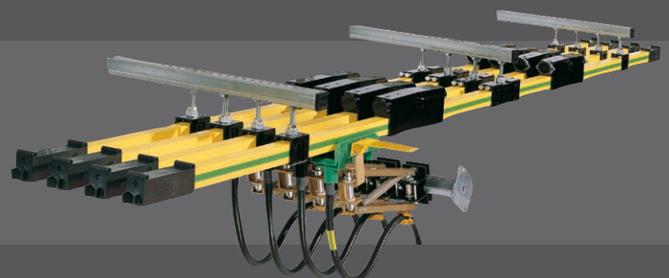
- Main energy supply for bridges & filter beds in a compact format

### Solution

- Conductor bar program
- Options of standard copper and stainless steel conductors
- Additional protective features available

### Advantages

- Simple support arrangement
- Compact design
- Minimal added towing force
- Simple maintenance, inspection & repair





## Cable Reels

### Application

- Main energy supply for rectangular scraper bridges

### Solution

- Wide Range of bulk wrap and mono-spiral winding spring operated and motor operated reels with magnetic coupling for all requirements
- Numerous types and diameters of cables
- Special corrosion protection covering

### Advantages

- Most economical solution
- Fast and easy installation
- High flexibility through adjustable coupling

## Festoon Systems

### Application

- Main energy supply for bridges in explosion-risk areas or with limited installation space

### Solution

- Festoon systems for wire ropes, C-rail tracks, square rail tracks, and I-beam tracks
- Acid resistant / stainless steel versions
- Explosion-proof versions

### Advantages

- Cost-effective solution
- Easy maintenance
- Trolleys available for curved square rail tracks



# Custom Services!

## Industry-specific experience and expertise

We speak our customers' language. Our specialists consult with customers locally to develop custom configured solutions.

Our leading edge innovations enable us to help our customers increase productivity and optimize production.



## A single source supplier

Conductix-Wampfler designs, develops, and produces a complete range of products to supply non-stationary consumers with power and data signals. As a result, our customers receive product neutral consulting and can count on us for the optimum solution for any industrial application. Conductix-Wampfler offers not only products, but also total custom solutions:

- Product neutral consulting
- Engineering
- Customer specific solutions
- Pre-assembled systems
- Quality controls according to customer standards
- On site installation
- Maintenance and service



## Global presence

Like our customers and the projects we handle, we are present worldwide. With production locations in Europe, North America, South America, and Asia Conductix-Wampfler can guarantee available capacity and fast delivery worldwide.

## Perfect coordination

Network thinking and action are just as important to Conductix-Wampfler as the relationship with our customers. This provides a basis for the future and lets us forge ahead together by providing solutions for a moving world.

Conductix-Wampfler's specialists provide complete support from the initial programming and design to the final assembly on site – worldwide!



# Your Applications – Our Solutions

Energy and data transmission systems for waste water treatment represent only some of the many solutions made possible by the broad spectrum of Conductix-Wampfler products. The solutions we deliver for your application are based upon your specific requirements. In many cases, a combination of several different Conductix-Wampfler systems can prove advantageous. You can count on all of Conductix-Wampfler's business units for hands-on engineering support - coupled with the perfect solution to meet your energy management and control needs.



### Motor driven cable reels

Motor driven reels by Conductix-Wampfler are the perfect solution for managing long lengths of heavy cable and hoses in very demanding industrial applications. Monospiral, level wind, and random wind spools.



### Slip ring assemblies

Whenever powered machinery needs to rotate 360°, field proven slip ring assemblies by Conductix-Wampfler can flawlessly transfer energy and data. Here, everything revolves around flexibility and reliability.



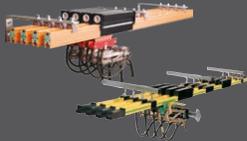
### Energy guiding chains

The "Jack of all Trades" when it comes to managing energy and data cables and air and fluid hoses. A wide range of energy guiding chains are available for many industrial applications.



### Spring driven cable reels

We have 60 years experience and trusted brands such as Insul-8, Wampfler, and IER. We offer small cord reels all the way to large multi-motor units, a wide range of accessories, and hazardous location reels.



### Conductor bar

Whether they are enclosed conductor rails or expandable single-pole bar systems, Conductix-Wampfler's conductor bar is the proven solution to reliably move people and material.



### Heavy duty cable festoon systems

It's hard to imagine Conductix-Wampfler I-Beam Festoon not being used in virtually every industrial application. They are reliable and robust and available in an enormous variety of sizes and models.



### Push button pendants

Our ergonomic pendants are ideally suited for industrial control applications. They are available in a wide range of configurations for overhead cranes and other machinery.



### Radio remote controls

Safe, secure, and reliable radios use the latest in microprocessor technology. Available in several models for overhead crane control and other types of machinery.



### Inductive Power Transfer IPT®

The contact-less system for transferring energy and data. For all tasks that depend on high speeds and absolute resistance to wear.



### Air hoists and balancers

**ENDO Air hoists accurately place delicate loads and** continuously vary the speed for precise positioning. They run cool in **continuous operations.**



### Bumpers

Conductix-Wampfler offers a complete range of bumpers for the auto industry, cranes, and heavy machinery. These include rubber, rubber/metal, and cellular types.



### Spring balancers and retractors

ENDO spring balancers by Conductix-Wampfler are rugged, reliable high-precision positioning devices that reduce operator fatigue and assist with accurate tool placement.

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