

Energy & Data Transmission Systems for Process Bridge Cranes



Long Travel

Preferred Solution
Conductor Rails

Other Solutions:

Single Pole Rails

- Robust solutions for process cranes
- Solution for **higher technical requirements** (current, travel length, temperature variations, speed, duty cycle...)

ProfiDAT®

- for fast and reliable **data transmission**

Copper Head Rails

- Solution for heavy duty applications in **harsh environments** (high temperature, very dusty,...)

Festoon Systems Energy Guiding Chains

Cross Travel

Preferred Solution
**Festoon Systems
Cable Chains**

I-Beam System

- Solution for **higher technical requirements** (harsh environment, bigger cable package...)

Energy Guiding Chains

- **Compact** solution with an appealing design
- Hybrid or Steel Chain depending on technical needs and boundary conditions

Vertical

Preferred Solution
Cable Reels

Spring Reels

- **Compact** solution for light duty application*

Motor Driven Reels

- Solution for **higher technical requirements** (duty cycle, current, lifting height...)*

*with composite cables for power, control and data

Further Products used at cranes:

Buffers

- Large variety of rubber & cellular buffers

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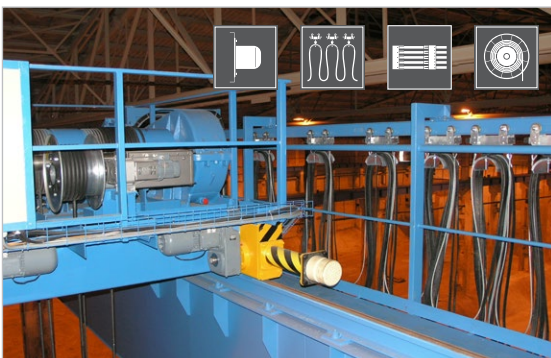
Location: Cement Plant

- Products:**
- Conductor Rail System „SinglePowerLine“, Track length 57 m
 - extreme dust



Location: Automated clinker bunker

- Products:**
- I-beam Festoon System, Program 0350, track length 160 m, for crane supply
 - I-beam Festoon System, Program 0330, track length 26 m, for trolley supply
 - both systems preassembled by Conductix-Wampfler
 - extreme dust



Location: Nitrogen fertilizer bunker

- Products:**
- I-Beam Festoon System, Program 0325, Track length 28 m
 - Conductor Rail System „SinglePowerLine“, Program 0812 (4 x 400A), Track length 144 m
 - Motorized Cable Reels, Cable 4x16+2x(4x1,5C)
 - Cellular Buffers for the trolley



Location: Steel Mill

- Products:**
- Hybrid Energy Guiding Chain
 - Travel distance: 31,6 m
 - Travel speed: 40 m / min
 - Chain length: 16,7 m
 - Cables: 13 cables 3,6 kg/m