



# Energy & Data Transmission Systems for Automated Container Handling with Automated Rail Mounted Gantries



# Cable Reel Solution

## for High Dynamic Applications

- most advanced cable reel controlling system, developed in cooperation with a major European cable manufacturer
- unique realtime measuring and steering algorithm
- increased lifetime of the cable through lowest cable tension on the market
- feed in crossing with 180m/min
- safe interfaces and full integration into OEM PLC
- available for all major drive systems (Siemens, ABB, GE, Yaskawa . . .)
- 24/7 remote maintenance
- smooth torque control to reduce the stress level onto the power cable
- Intelligent fault diagnostic for quick and easy trouble shooting

**> 300 m/min**  
High Speed Test-Track  
at Conductix-Wampfler  
CoE Germany

# Additional Solutions

## for Container Handling Applications



Energy guiding chains for the main trolleys on automated RMGs

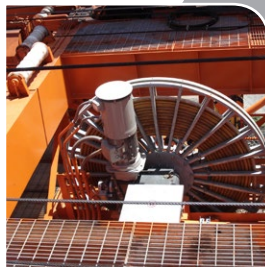


Standard festoon system with catenary trolley



Conductor rails with data transmission

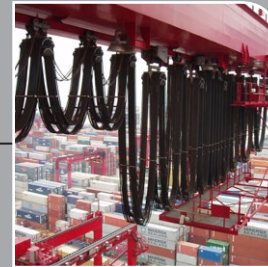
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your  
business!**



Motorized cable reel for spreader with variable frequency drive



Motorized cable reel for STS Cranes



Festoon system with motorized trolleys

# References

more than 200 ARMG Applications

Number of ARMGs	End user	OEM	Year of Install.	Feed-In	travel speed m/min	travel distance m
14	Incheon (Korea)	ZPMC	2014	Center-Feed	150	370
30	Rotterdam World Gateway (Netherlands)	GOTTWALD part technology	2014	End-Feed	255	400
20	Rotterdam World Gateway I (Netherlands)	GOTTWALD part technology	2013	End-Feed	255	400
14	Xiamen Yuanhai Port (China)	ZPMC	2013	End-Feed	240	290
38	Pusan New Port (South Korea)	ZPMC	2010	End-Feed	210	350
6	Thyssen Krupp (USA)	E	2010	Center-Feed	180	600
46	Kaoshiung (Taiwan)	ZPMC	2009	Center-Feed	135	295
10	P&O Antwerpen (Belgium)	GOTTWALD part technology	2009	End-Feed	240	400
36	Pusan New Port (South Korea)	ZPMC	2008	End-Feed	210	400
4	P&O Antwerpen (Belgium)	GOTTWALD part technology	2007	End-Feed	240	400

Conductix-Wampfler is the world leader in the design and manufacture of efficient energy and data transmission systems for all types of mobile equipment and machinery.

Our goal is to work closely with our customers to improve their productivity and to build long-term partnerships that lead to highly energy efficient and sustainable operations. All equipment is rigorously designed and manufactured with respect to the environment, high product quality, our customers' applications and the operating conditions.

We have focused on the field of mobile electrification systems since 1902. Our dedicated electrification solutions help to keep their operations up and running 24 / 7 – 365 days per year.

With own sales organizations and partners, Conductix-Wampfler is present in over 50 countries worldwide. Specialized "Centers of Excellence" and production sites in the key industrial regions support our global activities. With a combination of our comprehensive global network and our local sales and engineering teams, we are able to handle large-scale, international projects, always supported by face-to-face local contact.

# Global Strength & Local Presence



# www.conductix.com

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has just one critical mission:

To provide you with energy and data transmission systems that will keep your operations up and running 24/7/365.

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