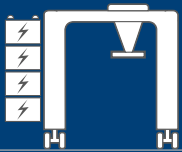


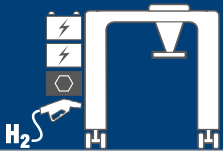
## FE-RTG

Electrified RTG  
with grid power  
and small battery pack



## BE-RTG

Electrified RTG  
with extra-large  
battery pack



## FBE-RTG

Electrified RTG  
with fuel cell  
and battery pack



# E-RTG

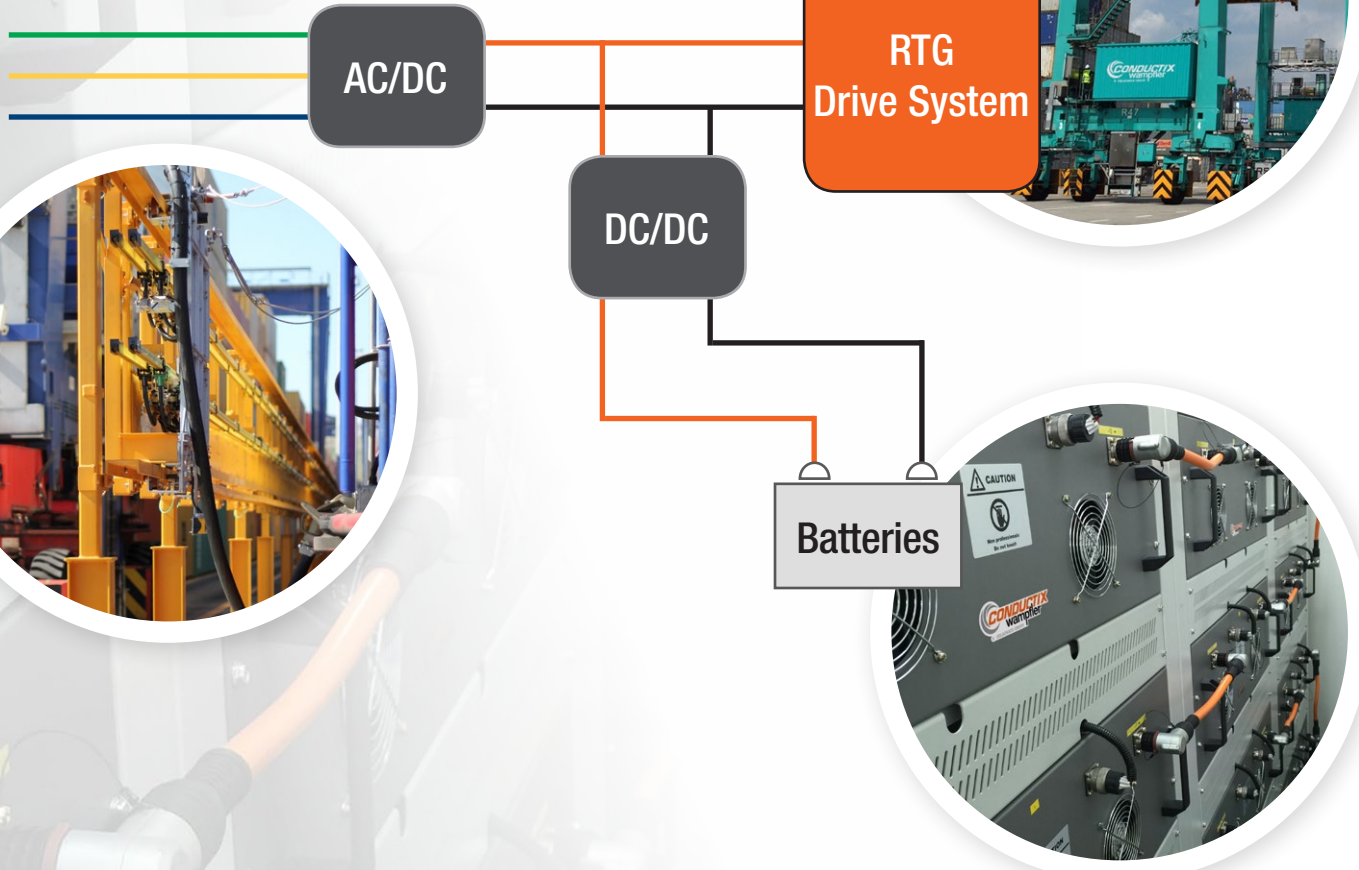
## Zero Emission Solutions



Ⓞ DELACHAUX GROUP

# FE-RTG | Electrified RTG with grid power and small battery pack

Power Grid



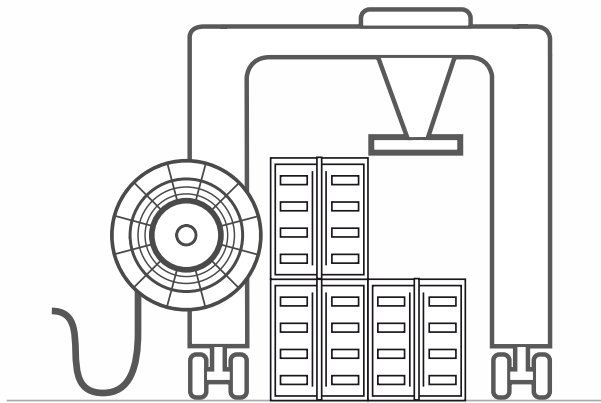
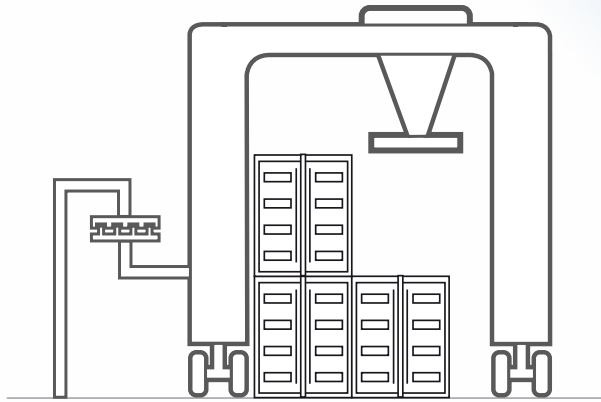
AC/DC

RTG Drive System

DC/DC

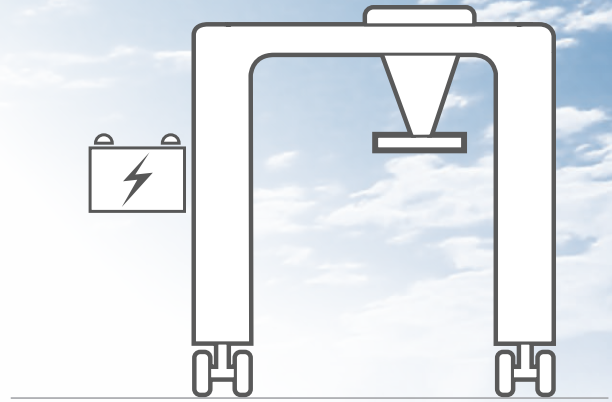
Batteries

# Stacking Yard



When RTGs in stacking yard, they are powered by electricity supplied from power grid via either conductor rails or cable reels.

# Block changing



When RTGs in block changing mode, they are powered by the energy stored in on-board battery pack.

# Benefits

- Matured solution and products with many references.
- Long system lifetime. 15 years design lifetime or more for E-RTG parts and 8 years design lifetime for batteries.
- Initial investments and operational cost, comparing with the others' solutions, are moderate.
- The needed infrastructures, such as substations, LV cables and so on, are standard components.
- Various adds-on, such as data transmission, positioning, auto steering and so on, enable the possibility of automated operation.





# Technical Details

- Battery type: Li-ion
- Cooling: Air cooling
- Energy stored in battery: 33 kWh
- Allowable gantry travel distance: 1,640 yd
- Fast charging time <1 hour (90% SOC)
- DC/DC converter: 110 kW (bi-directional)
- Designed battery lifetime: 8 years\*
- Warranty (batteries): 5 years
- Remote monitoring and diagnosis
- Emergency operation  
in case of power grid failure: enabled

\*24 times of block changes per day, 65 yd travel distance per block change, 350 working days per year

# www.conductix.com

Conductix-Wampfler 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.

We remove **Emission** from your RTGs!

**E-RTG@conductix.com**

**www.conductix.com**

