Zero Emission Solutions
FE-RTG | Electrified RTG
with grid power and small battery pack
When RTGs in stacking yard, they are powered by electricity supplied from power grid via either conductor rails or cable reels.

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
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!

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