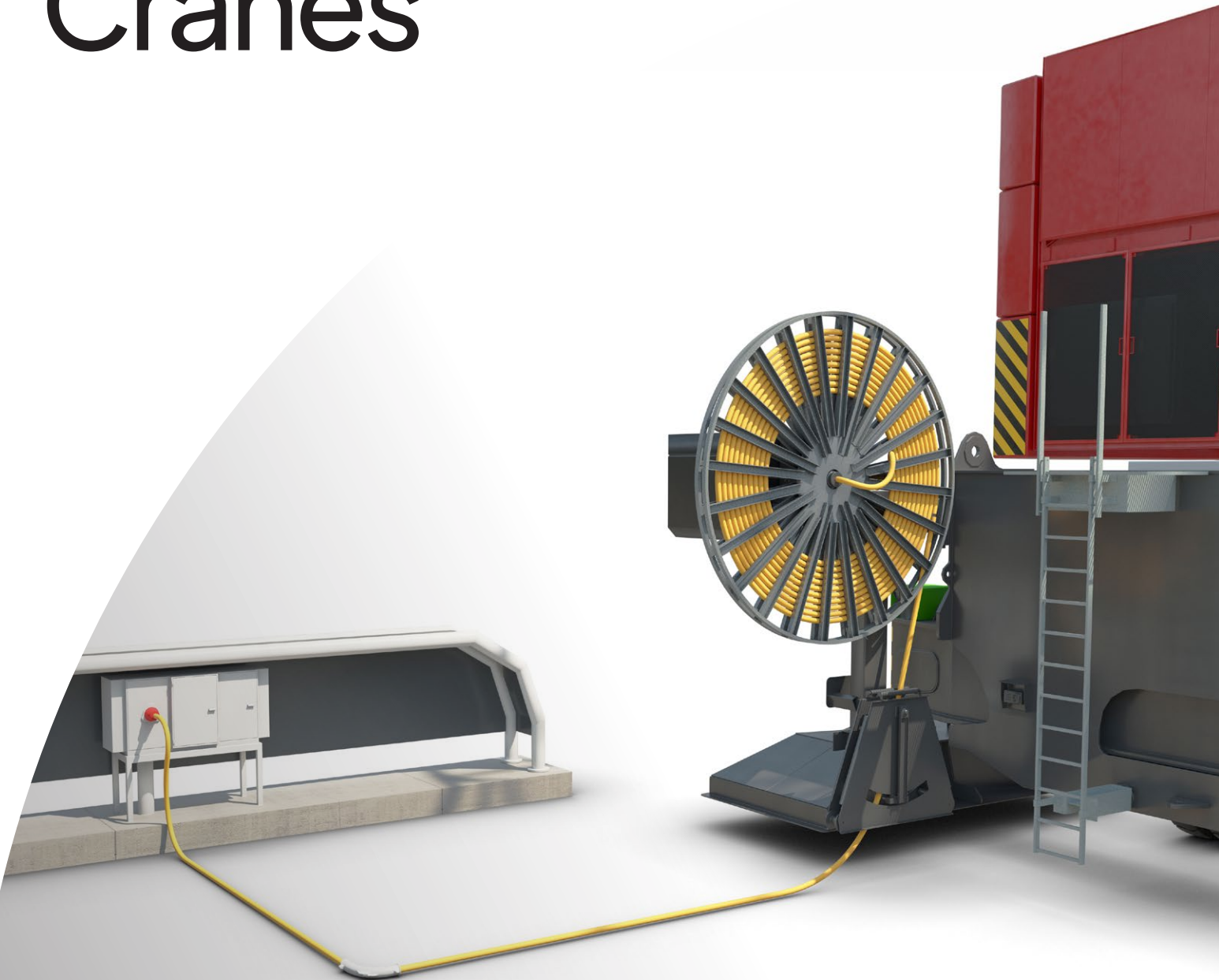


External Power Supply Retrofit for Mobile Harbor Cranes



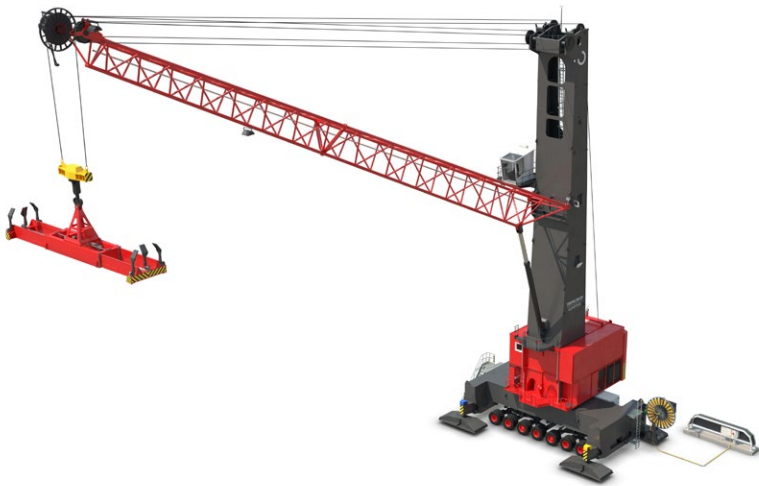
Electric Power. Same Crane. New Possibilities.

This retrofit provides a turnkey upgrade that enables Konecranes Gottwald Mobile Harbour Cranes (MHC) to operate using externally supplied electric grid power instead of the onboard diesel generator.

The retrofit is compatible with nearly the entire Konecranes Gottwald MHC fleet, making electric operation accessible for most existing cranes.

Benefits

- **Turnkey electric conversion:** converts the crane to 100% electric operation.
- **Lower operating costs:** significantly cuts energy and maintenance expenses compared to diesel.
- **Higher productivity:** reduces downtime from refueling and diesel maintenance.
- **Reduced emissions and noise:** enables cleaner, quieter crane operation.
- **Field-proven technology:** uses components and solutions already applied in new Konecranes Gottwald mobile harbor cranes.
- **Fully integrated upgrade:** includes updated documentation and full software, mechanical, and electrical integration.



How it works

- **Grid connection options:** connects to the terminal grid via cable reel or plug-in.
- **Full electric operation:** operates entirely on electric power once connected.
- **Medium-voltage and low-voltage solutions:** supports different crane sizes, power needs, and travel distances.
- **Transformer integration:** includes a transformer when grid voltage needs adaptation.

What you need to know

- **Generation 6 readiness:** generation 6 ESP MHC are particularly well suited and prepared for external power supply retrofits.
- **Full mobility retained:** the onboard diesel generator remains available for travelling, positioning and transfer movements.
- **Cable reel area:** cable reel systems require a protected storage area along the travel path.
- **Customer site scope:** customer handles infrastructure, civil works, cable routing, and external power supply installations outside the crane scope.
- **Konecranes support:** Konecranes provides all technical and interface information needed for site planning.
- **Installation timeline:** typical installation and commissioning take about 3 weeks per crane, depending on crane configuration and site conditions.



Selected References



YEAR	CUSTOMER COUNTRY	QUANTITY
2026	Spain	1
2026	Norway	1
2026	India	1
2025	Bulgaria	2
2023	Denmark	2
2022	Turkey	1
2021	Bulgaria	1
2020	Bulgaria	1
2019	Iceland	2
2018	Iceland	1
2018	Oman	1
2018	Belgium	1

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