

How did

a cow evolve into one of the planets smartest animals?

Powerful neural adaptations for more sophisticated computational strategies.



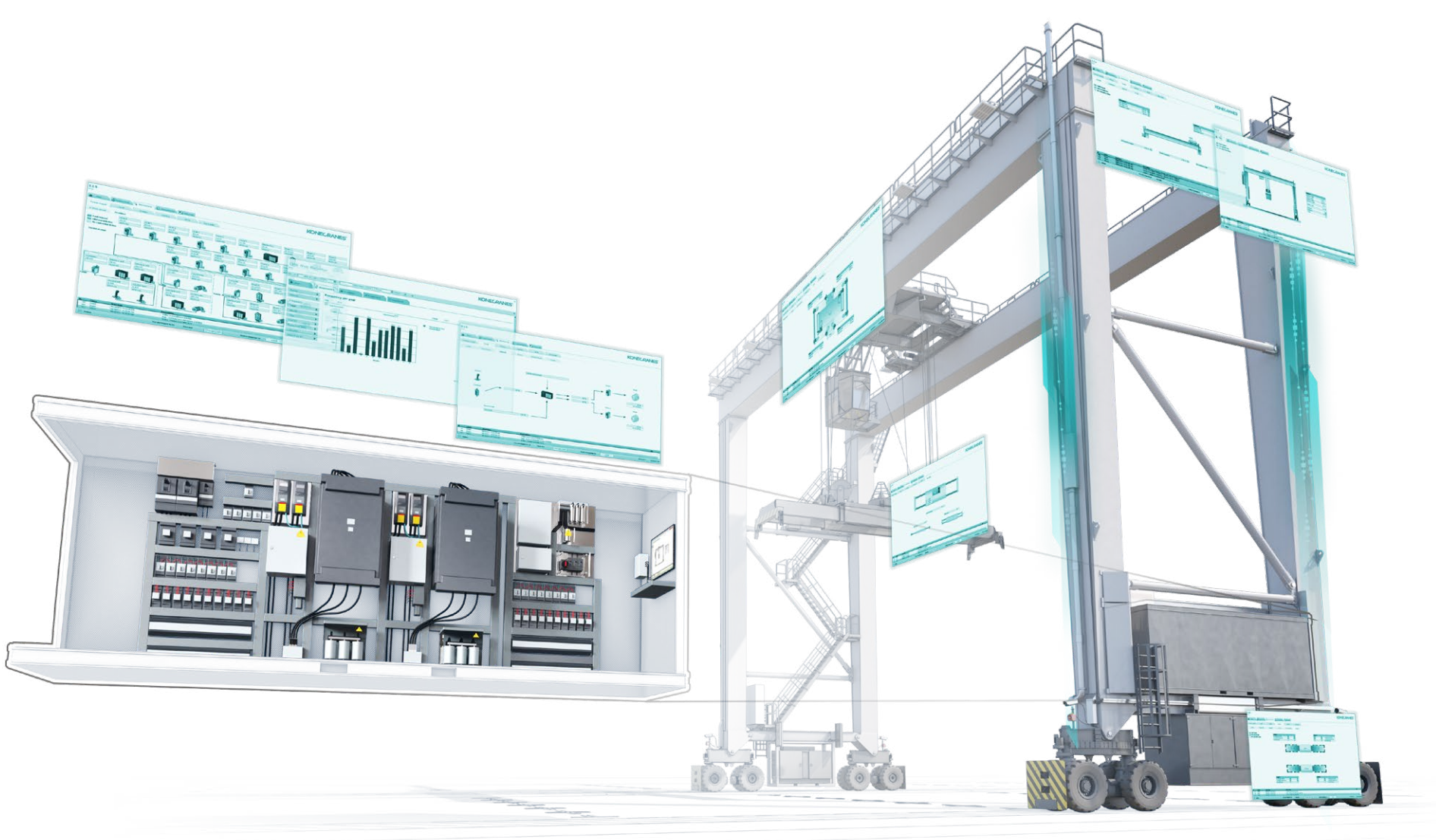
Intelligence. Evolved.

Drive & Control Retrofit

Package of changes that adapt an older crane's computer, control, diagnostic and drive systems for the future.

Drive and Control System Retrofit (DCSR)

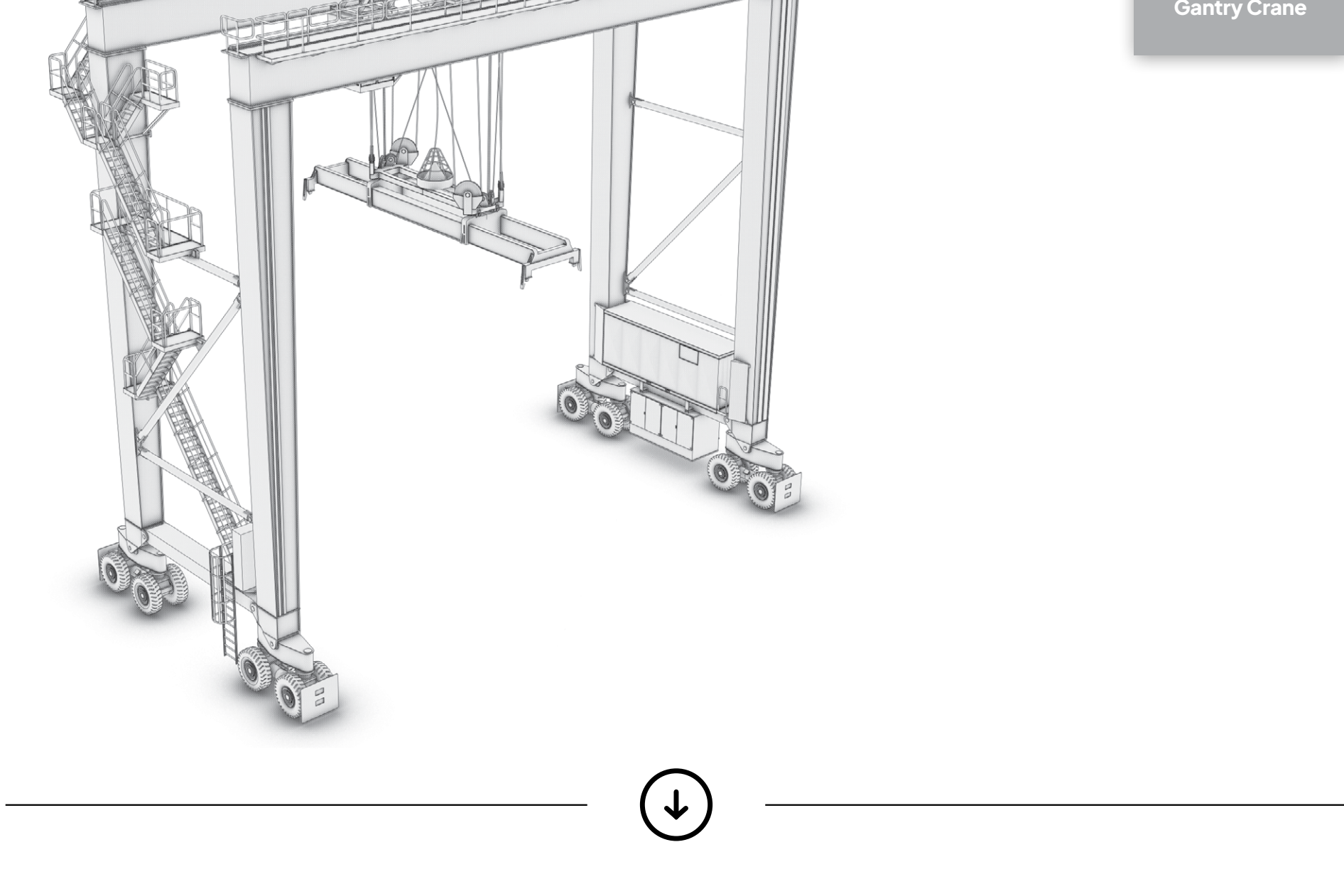
Future-proof your older RTGs with a new brain for your crane.



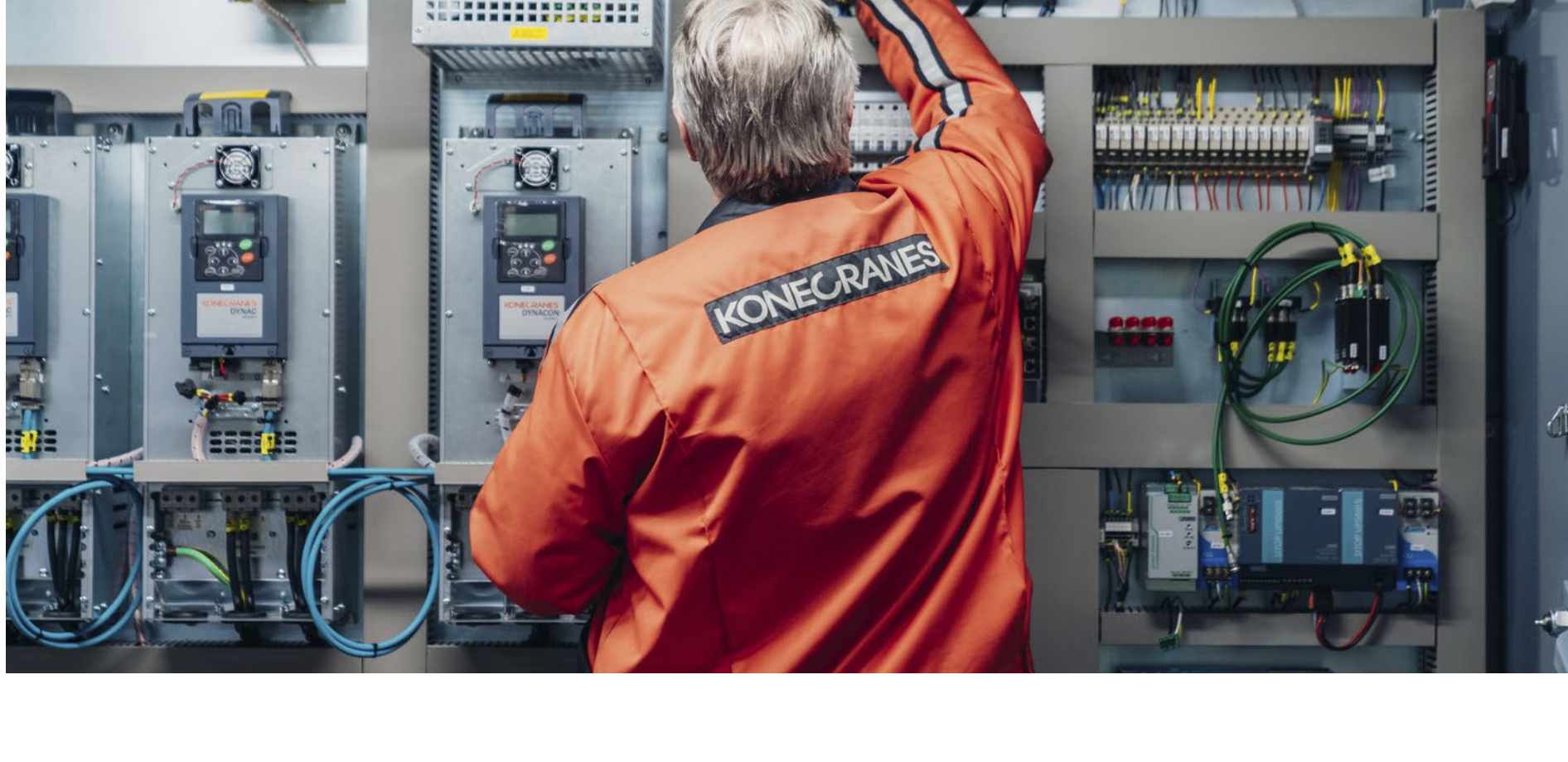
Benefits

- New Crane Management System (CMS) – that captures real-time usage and diagnostic data
- Crane is future-proof: ready for smart safety and efficiency features
- A new 4G CloudGate modem now enables remote services such as:
 - Online Remote Troubleshooting
 - TRUCONNECT® Digital Services
- Top-to-bottom inspection and assessment of all power, electrical, control and drive components
- Crane operations swifter and more reliable.

This is a standardized retrofit applicable to all Konecranes RTG2000 models. RTG2000 Project Numbers G271 to G770. Older cranes (G118-G270) may still be eligible for the standard DCSR, on a case-by-case basis.



RTG
Rubber-Tired Gantry Crane



Why do a DCSR?

- While the steel structure of an older Konecranes RTG is likely to last another 10–15 years*, the **electrical and processing equipment has aged dramatically.**
- DAV inverter drives and Siemens OP270/OP27 HMI panels are no longer in production. Therefore **parts for these important components are unavailable.**
- + DAV is replaced with new Konecranes **D2V drives** and a new **Siemens PLC system.**
- + A new **Profnet network** supports control of new generation devices
- + New Proface **operator touch-panel**, with faster response time and improved interface.



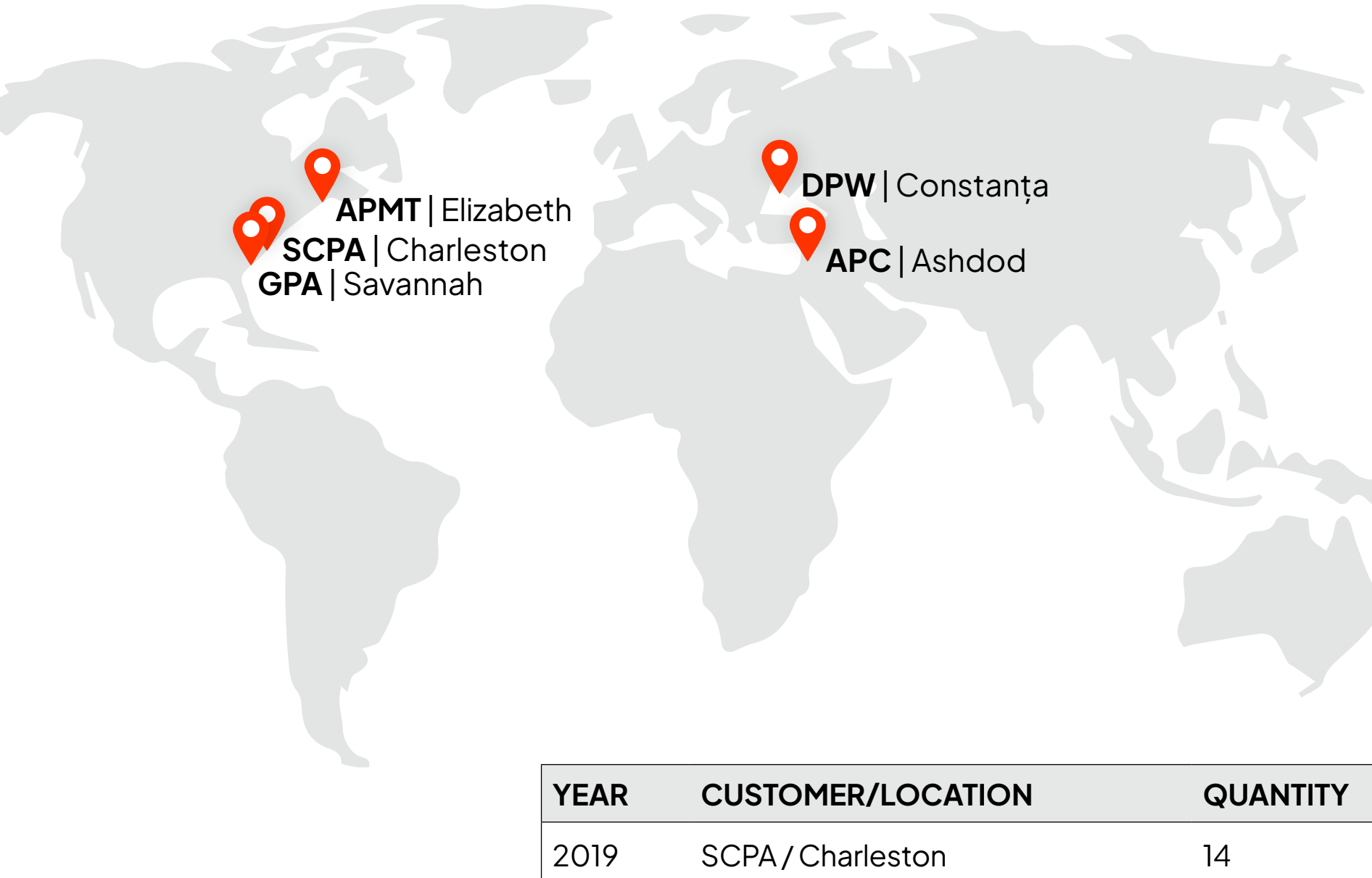
*Under normal usage conditions.

What you need to know

- RTG2000 DCSR is mandatory pre-requirement for RTG2000 Hybrid power pack retrofit.
- Premium Package is a mandatory pre-requirement for VSG power retrofit and Regenerative Busbar retrofit for RTG2000 and RTG_Original.
- Premium Package allows RTG2000 to have hoist, trolley and gantry motions at the same time (with reduced speeds).
- When you order this retrofit, you can add any of the other retrofits as options to add extra value to your retrofit project and further increase the functionality, safety, and performance of your Konecranes RTG.
- We recommend an electrification retrofit in conjunction with the drive and control system retrofit. Doing both at the same time will minimize downtime during the retrofit process, reduce the environmental impact of your RTGs, and reduce energy consumption.



Selected References



YEAR	CUSTOMER/LOCATION	QUANTITY
2019	SCPA / Charleston	14
2018	APMT / Elizabeth	20
2017	DPW / Constanța	5
2016	APC / Ashdod	24
2015	GPA / Savannah	15

Ports. Evolved.



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