Crane type
GLE electric variable frequency drive (VFD) cranes are self-contained units with all machinery enclosed in the crane housing. This protects them from weather, corrosion and damage. The standard GLE range covers lifting capacities from 25 to 100 tonnes, with outreaches of up to 41m.

The crane can also be delivered in a stepless load/outreach combination, which makes maximum use of the crane due to its mechanical design.

Each crane is tested electrically and mechanically before delivery.

General design
GLE cranes are designed to meet the rules of all recognised classification societies. The MacGregor control system ensures smooth, fast and stepless crane control, with hoisting, luffing and slewing motions independent of each other. This means that at their maximum capacity, GLE cranes can operate at full speed using all three movements at the same time.

Important crane criteria
- Excellent positioning performance
- Long outreach, optimising weight and cost
- Robust design
- All machinery is weather protected inside crane housing
- Level-luffing

Safety
- Diagnostic check at start-up procedure
- Overload protection with load cell as standard
- Crane performance will automatically adjust when operating in extremely high temperatures to avoid down time

Crane Control System
- In-house system development
- Individual adjustment possibilities
- Integrated diagnostic functions
- Optional features available

Cranes can also be supplied with the tools needed for handling specific types of cargo.
Enhanced cargo handling efficiency
- Improved operational performance
- Short response times
- Maximum speed based on actual load
- Exact position of the load is maintained even with open brake

Environmentally friendly
- No hydraulic oil (ordinary hydraulic crane approx 700 l.)
- Low noise level
- Low starting current
- 30-35% less power consumption
- 30-35% lower energy (oil) consumption
- Reduced ‘Carbon Foot Print’

Human Machine Interface (HMI)
MacGregor Crane Information System

Real-time information on active systems
Load/speed/outreach information
Logs information for analysis
Errors/warnings/events
Touchscreen display