

# **GANTRY CRANE & LOG LIFTER SYSTEMS**

**Screw Stem actuator**

**Hydraulic Cylinder**

**Rack and Pinion**

**Cable Hoist**



A photograph of a hydroelectric power plant. In the foreground, there is a large concrete dam with several spillways. Above the dam, a complex metal structure, likely a gantry crane, is visible. The background shows a forested hillside under a clear sky. The text is overlaid on the top half of the image.

**Founded in 1994, Mekan-Hydro is a recognized leader in the hydropower mechanical equipment industry. The company designs, manufactures and installs a wide range of mechanical equipment and accessories for hydroelectric power plants.**

**Each hydroelectric site has its unique situation. That is why Mekan-Hydro designs different type of custom Gantry crane:**

- Electric screw system**
- Hydraulic cylinder**
- Rack and pinions**
- Cable Hoist**

# MAIN CHARACTERISTICS

**Capacity:** 1 to 50 tons (custom)

**Stroke:** Custom

**Control mode**

- Local mode
- Remote mode

**Type:**

- Direct
- Follower beam
- Custom

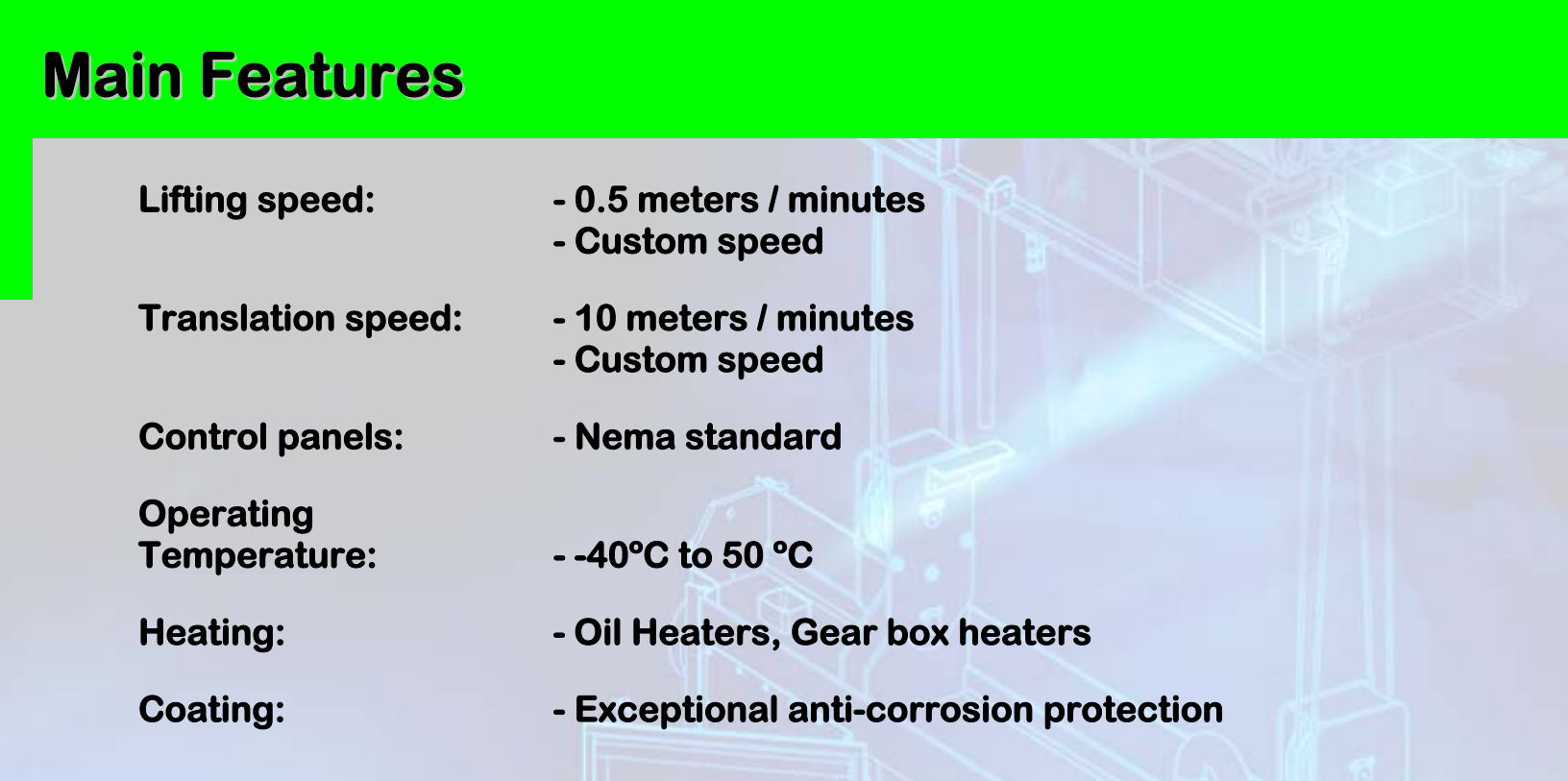
**Rail centers:** - Custom distance

**Complying with Standard:**

- CMAA
- CWB
- AGMA
- CAN / CSA

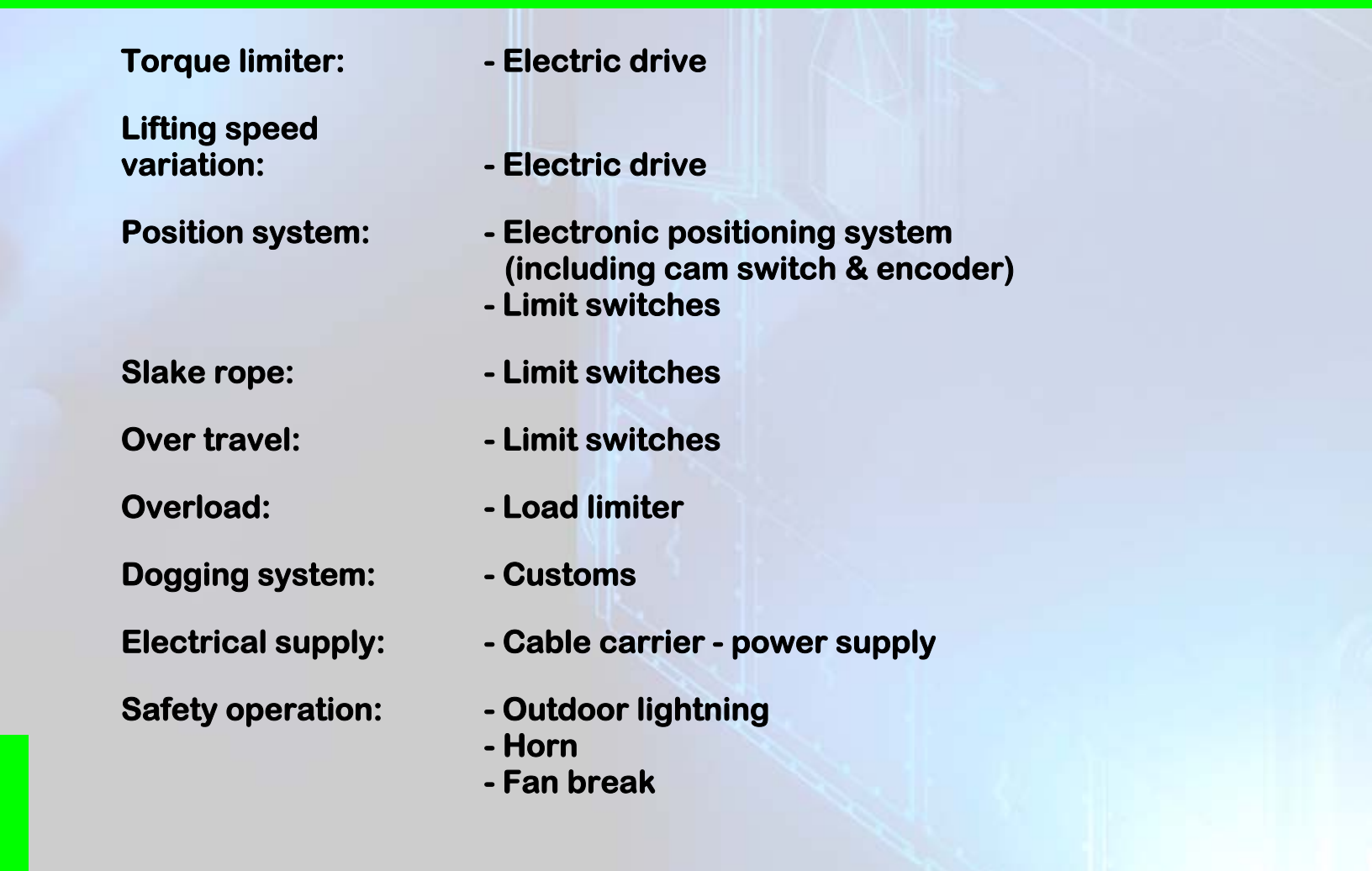


# Main Features



<b>Lifting speed:</b>	- 0.5 meters / minutes - Custom speed
<b>Translation speed:</b>	- 10 meters / minutes - Custom speed
<b>Control panels:</b>	- Nema standard
<b>Operating Temperature:</b>	- -40°C to 50 °C
<b>Heating:</b>	- Oil Heaters, Gear box heaters
<b>Coating:</b>	- Exceptional anti-corrosion protection

# Options



<b>Torque limiter:</b>	- Electric drive
<b>Lifting speed variation:</b>	- Electric drive
<b>Position system:</b>	- Electronic positioning system (including cam switch & encoder) - Limit switches
<b>Slake rope:</b>	- Limit switches
<b>Over travel:</b>	- Limit switches
<b>Overload:</b>	- Load limiter
<b>Dogging system:</b>	- Customs
<b>Electrical supply:</b>	- Cable carrier - power supply
<b>Safety operation:</b>	- Outdoor lightning - Horn - Fan break