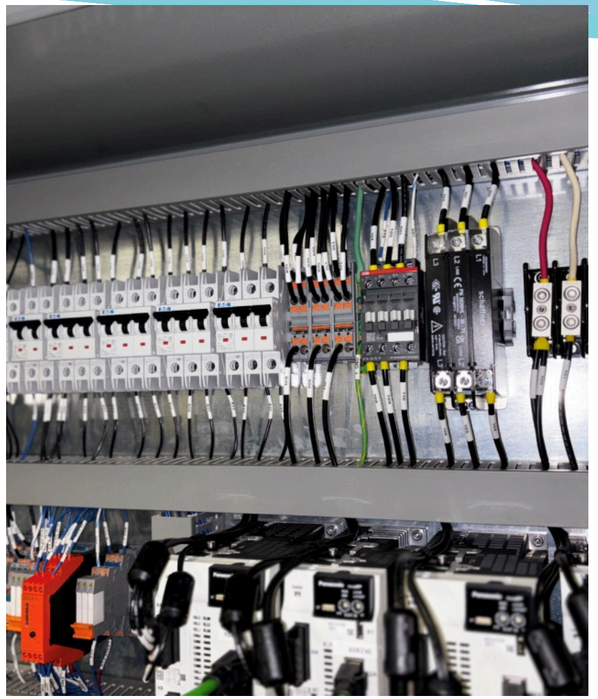






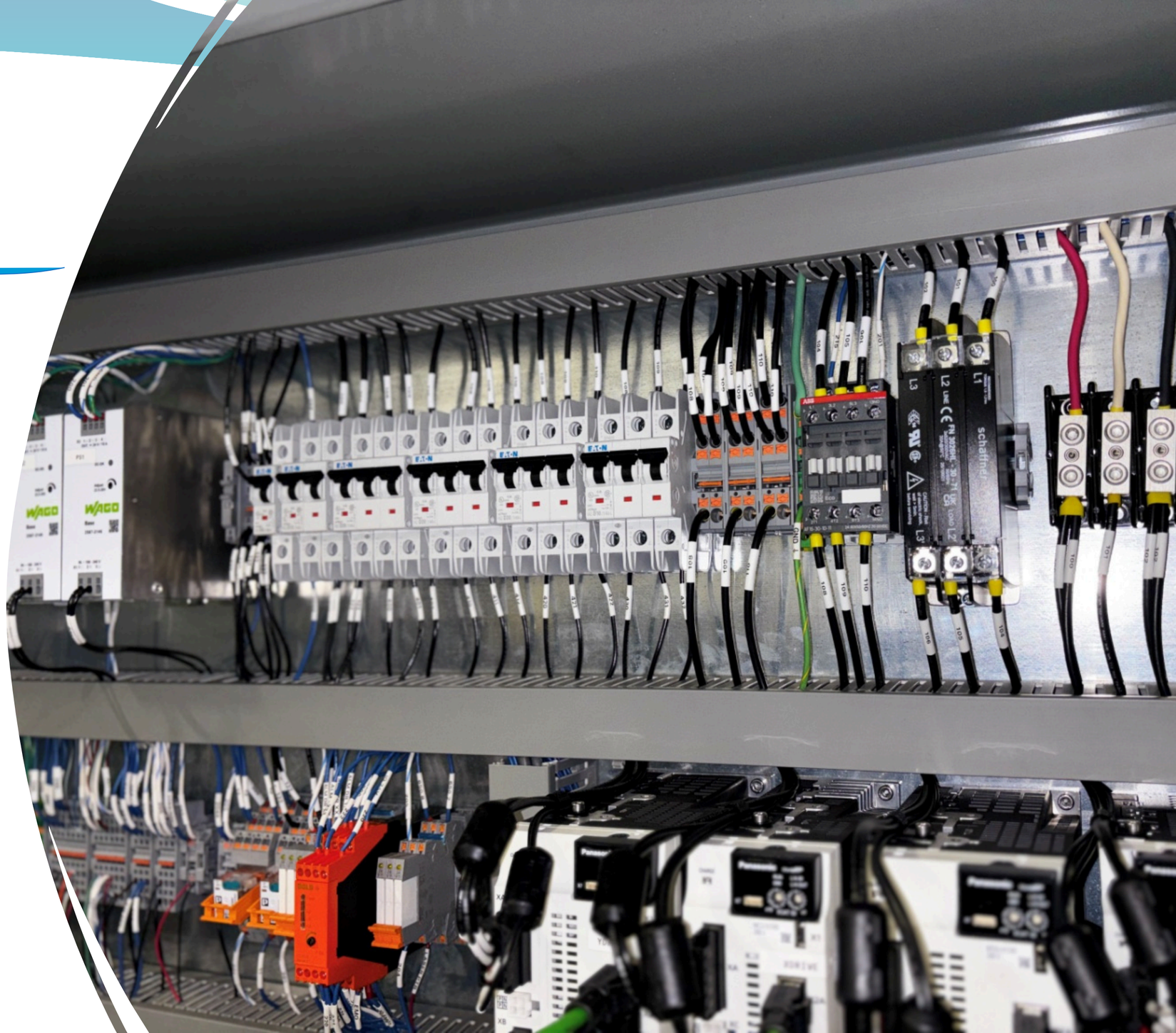


Retrofit Package by

C & G SYSTEMS

Cabinet

- Modern electrical layout
- Component accessibility
- Safety and reliability
- Simplify maintenance



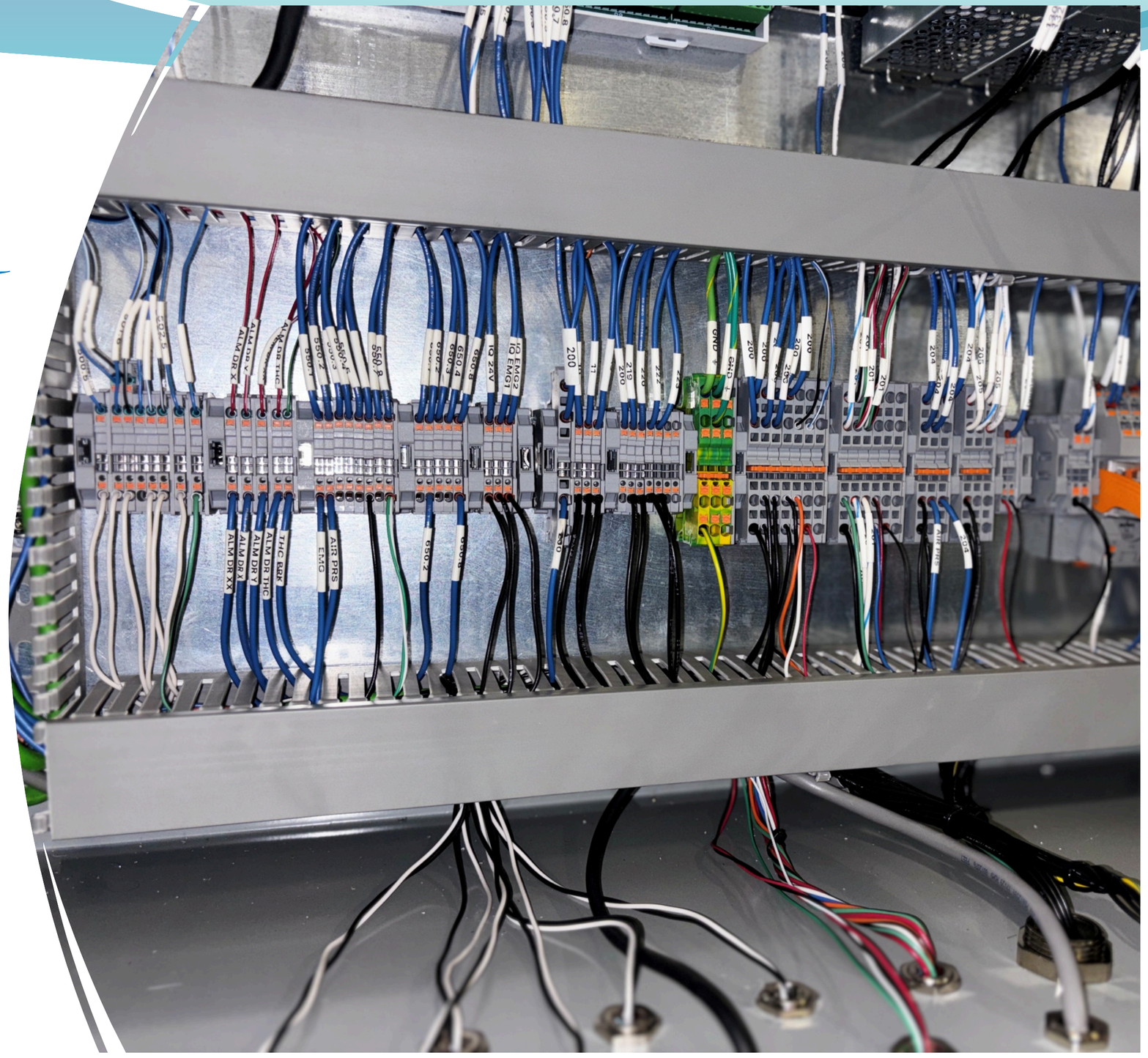
Cable Management & Field Connections

- Organized cable routing
- Proper gland entries
- Easier troubleshooting
- Reduced wiring risks



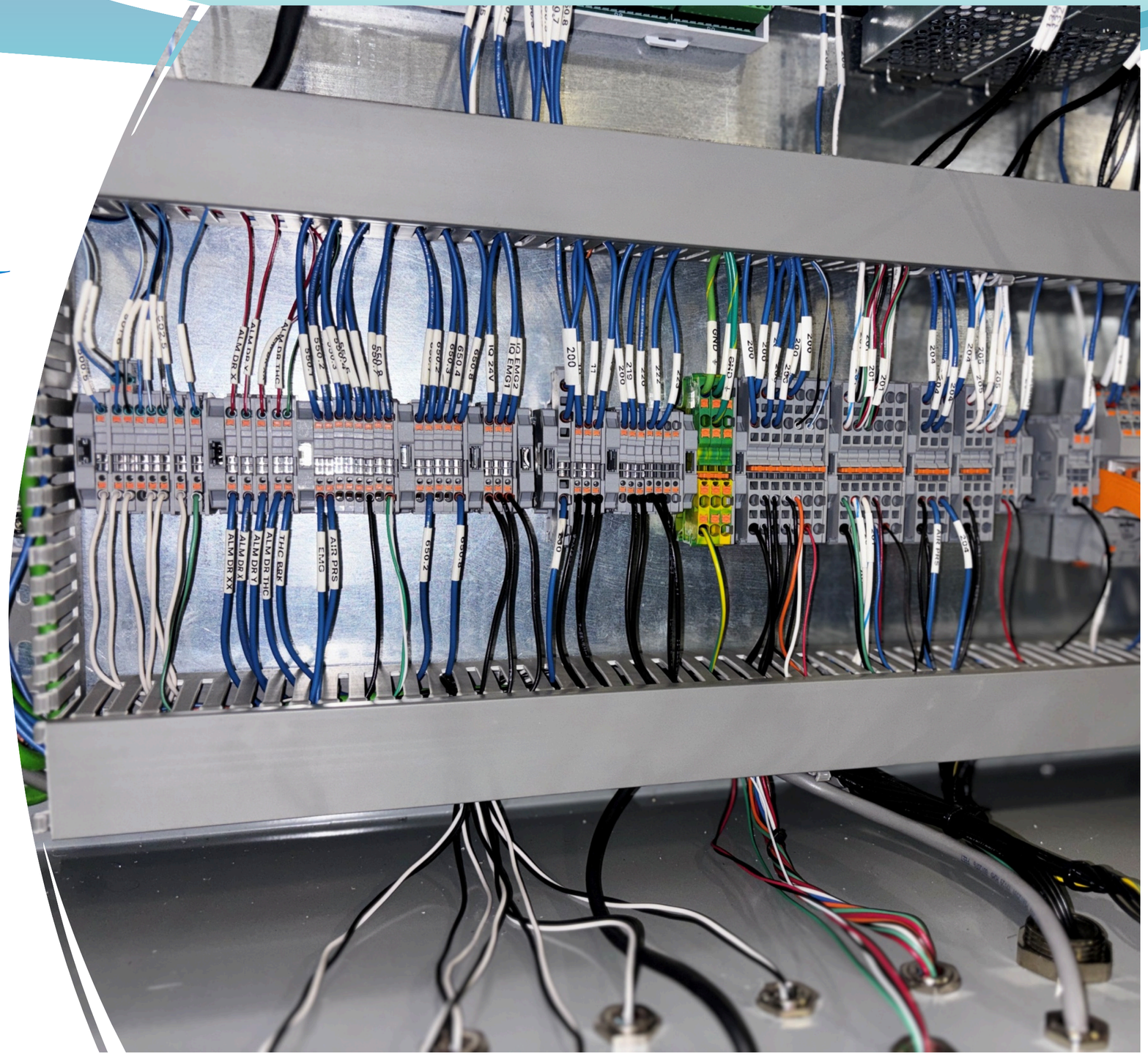
Cable Management & Field Connections

- Clearly label connections
- Organized I/O distribution
- Simplify diagnostics
- Improved serviceability



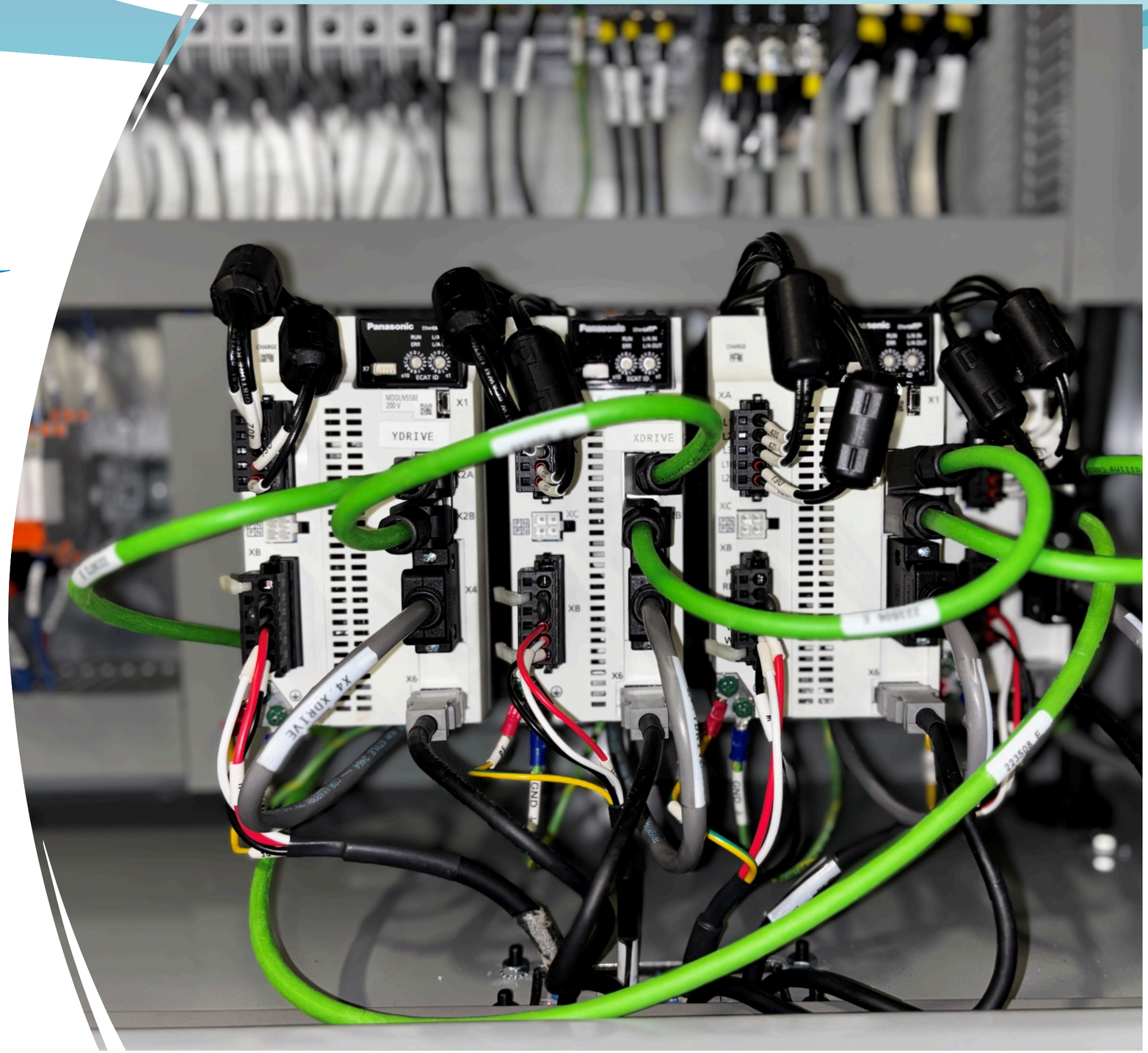
System Integration Details

- Labeled field wiring
- Structured terminal layout
- Ready for retrofit commissioning



Motion Control Drives

- Integrated servo drive system
- High-speed communication network
- Precise motion control
- Ether cat communication



Main Axis Motors

- 400-3000 Watts
- Rated rev/min 3000
- IP65 protection
- Closed loop positioning
- High precision and reliability









CNC

- Hypertherm EDGE Connect (shown)
- Eckelmann



Plasma Lifter

- 400 watt motor with brake
- Brushless
- IP65 protection
- Linear bearing and ball screw
- Integrated laser pointer
- Integrated torch height control





Mechanical Assembly

- Lifter
- Online link
  https://instructions.online/?id=6388-kr%20lifter%20v2



Gear Boxes

- Neugart*
- Coaxial
- Helical Planetary gears
- Preloaded tapered bearing
- Rotary Planet carrier in cage design
- Reliable
- Pinions**
- Shaft seal





* Neugart Gear boxes are preferred, but other options available.

** Pinions shown for reference only.

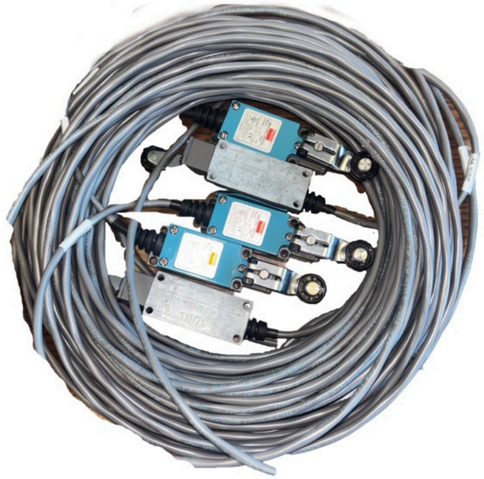
Pinion availability depends on the pitch and the diameter. CG Global can provide our own pinions at extra cost. We recommend changing gear racks & pinions during a retrofit

Cabling

- Amphenol Connectors
- Available in one foot increments
- Roller lever limit switches

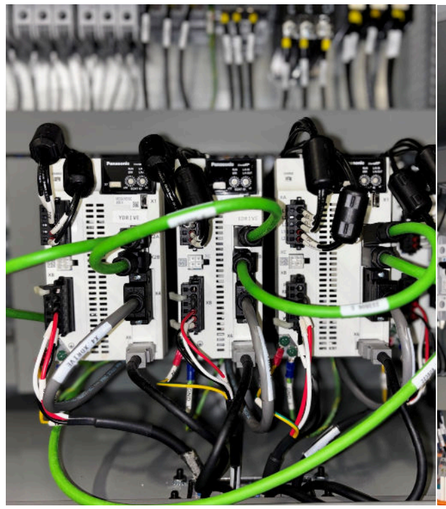






Items Included in the package

- Drives (Panasonic)
- Electrical Box
- CNC (Hypertherm / Eckelmann)
- Lifter(s) (CG System Plasma / Oxy-fuel)
- Motors (400-3,000W)
- Gear boxes (Neugart)
- Cables













Additional Items Available

- Gear racks
- Pinions
- Limit brackets
- Gearbox mounting plates
- Plasma (Hypertherm /Kjellberg)
- Nesting Software