

Continuous barge unloaders (CBU) are fast and efficient machines used for unloading many materials including coal, grain, lime, iron ore, wood chips, and more. Capable of moving three times the material in the same amount of time as a grab bucket unloader, it is no wonder why CBUs became heavily relied upon for barge unloading. However, many of these giants have been in service for several decades with the original or the nearly original control systems in place. With antiquated control system components such as drives, resolvers/encoders, soft starters, PLCs, networks, or motors, one failure can mean devastating and costly down-time.

At Prokuma, we have successfully upgraded many CBUs and their supporting equipment's control systems including:

- Cantilever AC & DC drives
- Trolley AC & DC drive
- Conveyor system controls upgrades
- Ethernet control networks
- Enclosure rebuilds with [Prokuma's Pre-Engineered Drive Systems](#)
- Programmable encoder-based limits for easy cable replacement
- AC & DC Barge hauls with tension control
- Safety design
- IP cameras for monitoring conveyors and motor rooms
- PLC based control systems
- PLC-free control systems
- Operator chairs and joy sticks
- Operator interface screens with industrial PC
- Tonnage reporting
- Maintenance analytics including motor currents, starts per hour, temperature, preventative maintenance due alarms, and more
- Localization for easy troubleshooting in your language

Our designs are proven using several major brands and models including:

- Allen-Bradley [PowerFlex DC, PowerFlex 755, SMC Soft Starters](#)
- Siemens [Sinamics DCM](#)
- ABB [DCS](#)

Call for a quote: 1 812-461-1681 or email questions to sales@prokuma.com