Enclosed Controls
Product Portfolio
Milbank is a family-owned American manufacturer headquartered in Kansas City, Mo. Since 1927, Milbank has set the standard for high quality metering equipment and enclosures. Milbank’s portfolio includes single position meter sockets, meter combos, heavy duty and instrument rated metering, RV/mobile home pedestals, terminal/tap boxes, A/C disconnects, enclosures and a wide variety of enclosed controls.
What is a COMMERCIAL PEDESTAL?

Commercial pedestals are pad-mounted, weather resistant electrical enclosures consisting of a utility pull section with optional meter socket, and a customer section containing distribution and control equipment. Milbank commercial pedestals are an attractive, secure, easy to install and cost-effective solution when underground remote site power distribution and control equipment is required, replacing unsightly and inefficient strut and backboard structures. Milbank engineers specialize in custom-designing commercial pedestals to suit nearly any specification need.

1. The **meter hood** closes to protect the meter socket and electric meter. A transparent window is included for meter reading purposes.

2. The **meter socket** is the connection point of the electric meter. Available in several variants—ringless and ring-type, with lever bypass and test switch options.

3. The **print pocket** provides a secure place to store wiring diagrams and other reference material.

4. The **deadfront** offers access to breaker switches while protecting against other live electric components.

5. The **Hand-Off-Auto switch** gives the ability to switch individual circuits to manual (hand) control, off, or controlled automatically via time clock or other control equipment.

6. The **PE receptacle** detects when the level of ambient light is low enough (either from the sun setting or from heavy cloud cover) to activate lighting circuits.

7. The **load center** distributes electric energy from the utility to the numerous circuits controlled by the pedestal, utilizing circuit breakers for safety and protection.

8. A **contractor** is used for switching circuits with higher current ratings.
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COMMON APPLICATIONS

Municipal Power
Traffic Signals
Street Lighting
Public Wifi
Battery Backups
Security/Surveillance

Site Power
Fairgrounds
Portable Offices
Festivals
Holiday Lights
Farmers’ Markets

Communications
Cell Towers
Telephone Vaults

Motor Control
Irrigation
Sprinklers
Lift Stations
Gates
Pumps

Outdoor Lighting
Sports Complex
Parking Lots
Rail Yards
Landscaping
Subdivision Entrances

Power Distribution
EV Charging
ATMs

And many more possible applications!
Vulnerable to power theft
Longer installation
Larger footprint
Visually disruptive to green spaces and cityscapes

The Alternative: Strut and Backboard Systems

- Vulnerable to power theft
- Longer installation
- Visually disruptive to green spaces and cityscapes
- Larger footprint
Surface Mount Enclosed Controls

Originally developed for the communications industry but adaptable to many applications, the surface-mount enclosed control offers the flexibility of larger enclosed controls products with a smaller footprint and several mounting options.
Benefits

- Does not take up sidewalk space.
- Flood resistant.
- Eliminates need for connecting components.
  - Wire in - Wire Out
- Top and bottom entry and exit.

Features

- Easy installation.
- Overhead and underground entry and exit, all in one unit.
- Meter and components in one enclosure.
- Can be mounted on multiple surfaces.
- Multiple bypass options available.
- Monitoring options available.

COMPACT PRODUCT
Traffic

Intelligent traffic lights, dynamic message signs and cameras are all crucial parts of the new connected roadway transportation system to keep traffic moving smoothly. Milbank commercial pedestals provide a safe and secure enclosure to protect electrical distribution and control components, keeping the power flowing to critical traffic technology.
Battery Backup (left)
- With or without batteries.
- Switching equipment.
- Thermally controlled fans.
- Dual meter option for secondary loads.

Slimline (right)
- 12 inch and 20 inch wide options available.
- Side utility section allows for very close placement to walls and other obstructions.
Outdoor Lighting

Milbank commercial pedestals provide a safe and secure enclosure to protect electrical distribution and control components that light parking lots, pathways, parks, bus stops and more.
• Contains a load center for “always on” loads that includes a main circuit breaker, as well as a load center connected to a PE receptacle and contractor for timed, controlled loads.
• Optional light shield for PE receptacle helps prevent light cycling due to automobile headlights.
• Can be painted any color to match and blend in with surroundings.
• Exposed meter option for unobstructed signal transmission with AMR systems.
Sports Lighting

Milbank commercial pedestals are capable of including sophisticated controls for athletic lighting systems, including timers, push button starts and buzzers to warn when the lights are about to turn off.
• Capable of four separate remote light “on” buttons, ideal for larger tennis court and baseball field complexes.
• Can include remote monitoring and control equipment to track usage and ensure system is working properly.
• Additional power distribution can be added to feed loads such as concession stands, scoreboards, utility sheds, etc.
The number of electric vehicle charging stations will increase dramatically in the coming years. Milbank designs power distribution solutions for these units with many options for customization.
• Dual meter option for applications when lighting and EV charging usage need to be metered separately.
• Can be skinned with logos, designs or custom color schemes to promote the availability of electric vehicle charging.

EV CHARGING
Events and Festivals

Outdoor concerts, fairs, swap meets, seasonal festivals and other events can create some challenging logistics when it comes to electrical distribution. Milbank can design custom commercial pedestals to fit over manhole covers and add features like in-use covers that can connect cords to all loads while keeping the cabinet locked and secure.
• High-amperage main breakers for heavy loads.
• Receptacles, including standard GFI and cam-lock, included to specifications.
• Metered and non-metered configurations.

EVENTS & FESTIVALS
Milbank offers multiple sizes to fit the needs of small and large applications. Ranging from the 12 inch slimline to new 46 inch instrument rated enclosed control. Our enclosed controls specialists will help you choose the right size for your application.
AVAILABLE SIZES

**CP3A Slimline**
- 12 Inch
- 20 Inch

**CP3B Standard CP**
- 16 Inch
- 24 Inch
- 32 Inch
- 44 Inch

**CP3B Instrument Rated**
- 24 Inch
- 32 Inch
- 42 Inch
- 46 Inch

NEW 46" SIZE
MOUNTING OPTIONS

Embedded Concrete
- Pad Mount: Available for all pedestal sizes.
- Anchor Bolt: Kit comes with four 18” bolts.

Wall and Pole Mount
- Custom cabinet sizes.
- Available in aluminum to reduce weight and make for an easier installation.
- Several latch and locking mechanisms available.

Direct Bury
- Use with any 12 inch Milbank Slimline pedestal.
- No concrete required.
- Shorter pieces reduce cost of shipping.
For more information, visit 

MilbankWorks.com
Case Study: Kansas City Power & Light (KCP&L) EV Charging

Background & Challenge

In January of 2015, KCP&L announced its plan to rapidly expand its network of 40 public electric vehicle charging stations. The Clean Charge Network now consists of nearly 1,000 electric vehicle charging stations — more than any other U.S. city. In order to build its Clean Charge Network, KCP&L wanted a single device that incorporated meter and service panels to streamline construction. They needed an alternative to a laborious installation requiring a support structure to mount meters, disconnect switches and load panels.
“Milbank was able to custom tailor products for our needs and meet the rapid deployment timeline. The product solution streamlines field construction and provides an aesthetically pleasing installation.”
–Ed Hedges, KCP&L Project Engineer

The Solution

Milbank engineers worked closely with KCP&L to design a safe, durable and sleek enclosed control with minimal impact on streetscapes. The pedestals are UL-listed, lockable, sealable and metered. They save time, money, space and materials by including the distribution panel, disconnect and overcurrent protection.

Implementation

The enclosed control was designed for a quick, repeatable installation. As the project evolved, KCP&L needed different designs based on location, type and number of charging stations. Milbank was able to quickly and easily produce designs that fit their changing needs. KCP&L is currently using 5 different Milbank models.
Case Study: Lighting Controls Retrofit in Chicago
The Problem

Built by the City of Chicago in 1958, the Skyway Toll Bridge connects Northwest Indiana to the heart of Chicago and spans 7.8 miles long. The bridge had 19 aging lighting control cabinets that needed to be replaced. The challenge was that the new cabinets needed to all be one standard size, but also have the ability to fit on various types of bases and structures.

The Solution

Milbank engineers designed a safe, durable and sleek application to replace the existing cabinets along the bridge. They designed each cabinet with openings that could be adjusted at the base for an easy fit on multiple structures. The new applications have custom features, a sleeker design, updated components and the ability to fit on the various existing bases.
Case Study: Traffic Control Battery Backup in Minnesota
The Problem

Hennepin county was interested in replacing and upgrading the rusting metering cabinets with battery backup units. The unit had to fit in a 17 inch wide area on the signal cabinet pad.

The Solution

Milbank created a custom stacked solution with utility access to the meter on the back side. The unit features custom components like a photo cell receptacle, push button switch, an eight circuit load center and four battery shelves.