

Mobility and Security for Aviation Museum



With only two classrooms and over 170 youth attending summer camp on any given day, the Hiller Aviation Museum uses multiple pop-up learning spaces throughout the museum. This means teachers are regularly moving from one space to another. When looking for a device storage and charging solution, Jon Welte, VP of Education and Public Programs, knew it would need to be easily mobile.

Bright Look, Impressive Mobility

While attending a tradeshow in Texas, Welte saw a PowerGistics Tower and was immediately impressed by the look and colors. “The brightness and the colorfulness”, says Welte, was what intrigued him. “We really liked the fact that yours were so colorful.”

At the tradeshow, Welte learned that the PowerGistics Roller attachments are





This shelf unit was used to store devices before. Devices were charged wherever and whenever they could.



Now with PowerGistics, devices are organized, stored and charged in one Tower with a locking door for security.

intentionally designed to be different lengths so that the charging station rolls over floor transition strips easily.

Welte says the bright look and impressive mobility are what drove them to decide on PowerGistics Towers for their device storage and charging solution.

Smooth Transitions

After using the Core Towers for an entire summer of youth camps at the museum, Welte was pleased to have the Towers on Rollers. He says, “That’s one of the best features for our purposes – the Roller, and the size of the large wheels is a big plus”.

The teachers and staff use the charging stations regularly at a variety of pop-up learning spaces throughout the museum. Welte explains that they

“roll it out over the exhibit floor and there are obstacles along the way. With transitions between the carpeted areas, and tiled areas, we don’t have to worry about tipping the cart so the wheels can navigate the bump.”

He says of the Rollers and ease of mobility, “That’s a design feature that we love; it’s great.”

Easy for Youth

In addition to the colors and mobility, Welte appreciates having a unit to store, charge and transport devices. Previous to having PowerGistics Towers, the museum was storing laptops and other devices on a shelving unit and in a milk crate on wheels. They would charge devices wherever and whenever they could. This system of stacking devices was inefficient and frustrating for their team.



Labels on the shelves, in addition to the colors, helps to identify which device goes to which station.

PowerGistics Towers gave them improved storage and charging for their devices. Now youth can easily access a charged tablet and fly a drone in the Drone Plex, or use an aviation app in other areas, such as with an air traffic control simulator and in the robotics area.

Security in a Public Space

Being able to see the devices with the door closed was also very important for Welte. After teachers and youth use the laptops and tablets at camp all day, it's helpful to be able to do a quick visual check on whether the devices are secured in the Tower or not. For the museum,



CORE16 Model #: 1C160

16 shelf wall-mounted Tower for devices up to 14.8" / 37.59 cm, with keyed locking door and TechStop.

TOWER DIMENSIONS:

H 51.50" x W 11.25" x D 20.00"
 H 130.81 cm x W 28.58 cm x D 50.80 cm

Power Supply:

16 Outlet Power Strip 120 V, 15 A Circuit Breaker For Standard 110 V Outlets

Cord Length: 10' / 3.05 m

Assembled Weight: 51 lb / 23.13 kg

Shelf Spacing:

Top Shelf Spacing:

1.75" / 4.45 cm

Spacing on Other Shelves:

2.5" / 6.35 cm

ROLLER12/16

Model #: 1R12161

Attach to any CORE12 , CORE16, Grab&Go12 or Grab&Go16 wall mount Tower to make it mobile. Includes locking front caster wheels, locking rear door, and brackets to wrap cord

DIMENSIONS:

H 54.50 " x W 20.5" x D 30"
 138.43 cm x 52.07 cm x 76.20 cm



CORE8 Model #: 1C080

8 shelf wall-mounted Tower for devices up to 14.8" / 37.59 cm, with keyed locking door and TechStop.

TOWER DIMENSIONS:

H 37.25" x W 11.25" x D 20.00"
 H 94.62 cm x W 28.58 cm x D 50.80 cm

Power Supply:

8 Outlet Power Strip 120 V, 15 A Circuit Breaker For Standard 110 V Outlets

Cord Length: 10' / 3.05 m

Assembled Weight: 31.00 lb / 14.06 kg

Shelf Spacing:

Top Shelf Spacing:

1.75" / 4.45 cm

Spacing on Other Shelves:

3.25" / 8.25 cm

ROLLER8

Model #: 1R08001

Attach to any CORE8 or Grab&Go8 Wall mount Tower to make it mobile. Includes locking front caster wheels, locking rear door, and brackets to wrap cord.

DIMENSIONS:

H 40.25 " x W 20.5" x D 30"
 102.24 cm x 52.07 cm x 76.20 cm

Primary Pain Points

- Can't move devices easily throughout the museum for the pop-up classrooms.
- Need security for devices during public museum hours.

Solution:

- **2 CORE8 ON ROLLERS**
- **2 CORE16 ON ROLLERS**

Wheels are designed to easily move over transition strips. Devices are both stored and charged in one station that is easily moved from one space to another.

The open-door design gives staff the opportunity to inventory devices visually. The locking door gives security to devices.

when camps are over for the week, the space is open to the public over the weekend. This means if a device is left out, it may or may not still be there on Monday.

For this reason, Welte loves the open door concept. "We can see at a glance, we've got them all. Being able to see the devices is great." The human-centered design of the Towers gives Welte and the museum the security they need.

Organization by Design

Welte says one of the things that has been the most beneficial for them is the organization and purposeful design of the PowerGistics Towers. He says the design looks professional and "not like an accidental put-together storage solution."

The Hiller Aviation Museum continues to draw youth to its interactive and educational summer camps. With PowerGistics charging and storage Towers, they now have better device management for those programs, including improved mobility, secure storage and device charging.

Outcome

- Devices are stored and charged in sturdy charging stations.
- Teachers can easily move the charging stations from space to space for pop-up learning centers.
- Staff can do a visual inventory after students have used devices.
- The museum is able to secure devices during the hours it is open to the public.



Read more about schools who have made the switch:

www.powergistics.com/case-studies/

Hiller Aviation Museum

The Hiller Aviation Museum is an aircraft history museum located at the San Carlos Airport in San Carlos, California. The museum was founded by Stanley Hiller in June 1998, and is endowed by members of the Hiller family. It specializes in Northern California aircraft history and helicopter history.



601 Skyway Rd, San Carlos, CA 94070

Opened: June 1998

Collection size: 50+ aircraft



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