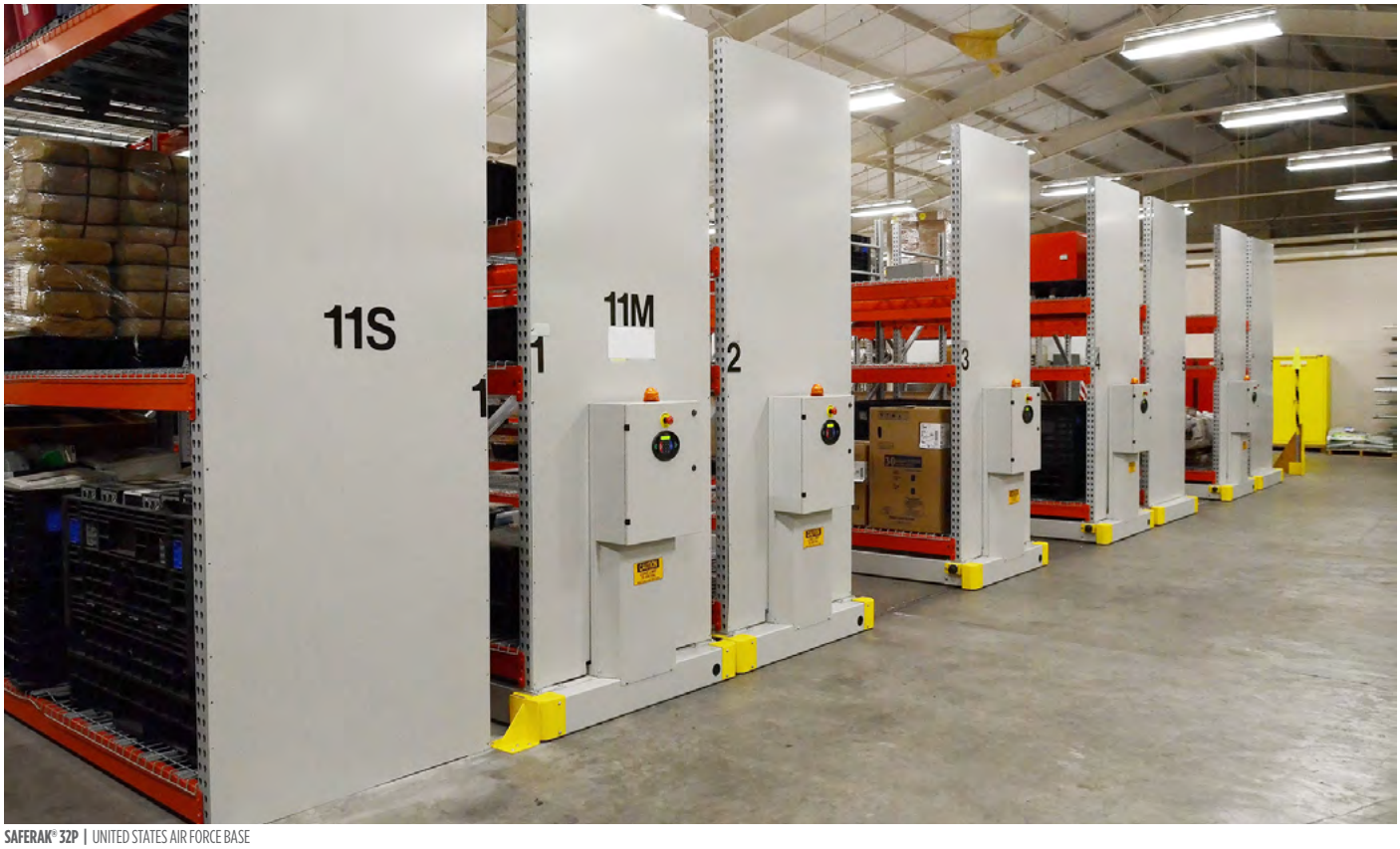
HIGH-DENSITY STORAGE SYSTEMS
SPACE SAVING SOLUTIONS

MONTEL®
Intelligent Use of Space



SAFERAK® 32P | UNITED STATES AIR FORCE BASE

SAFEAISLE® | EVIDENCE STORAGE FOR POLICE DEPARTMENT

WHY MONTEL? OUR OFFER IS COMPLETE

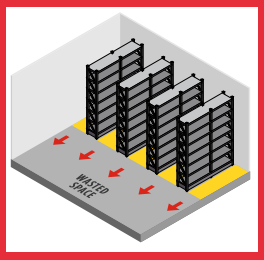
Pioneer of high-density mobile shelving storage system solutions in North America, Montel has installed thousands of fixed and mobile systems over its 93 years of existence.

Montel offers turnkey space saving storage solutions including best-in-class manual, mechanical-assist and powered mobile carriages designed for various loads, 4-post hybrid shelving including a large selection of accessories, cantilever shelving, case-type shelving, high-bay shelving, wide span racking, light-duty and heavy-duty drawers, light-duty and heavy-duty cabinets, mobile drawer cabinets, museum cabinets, art racks, workbenches, workstations, pull-out and mobile hanging storage screens and panels.

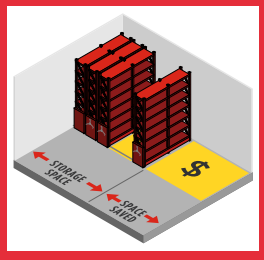
THE CONCEPT

OPTIMIZE YOUR STORAGE SPACE

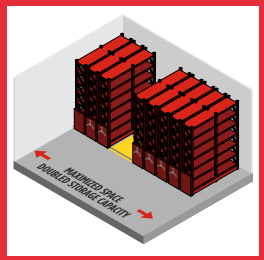
MONTEL HIGH DENSITY STORAGE SYSTEMS MAXIMIZE THE USE OF AVAILABLE SPACE, WHETHER TO INCREASE STORAGE CAPACITY, FREE UP ROOM FOR PRODUCTION OR OTHER USES, OR GET RID OF SPACE YOU DO NOT NEED TO PAY FOR.

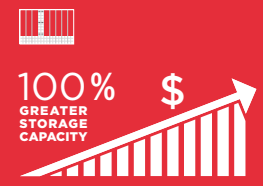


WASTED SPACE CONVENTIONAL FIXED RACKING LAYOUT.



SPACE SAVED & COST-EFFECTIVENESS MOBILE SYSTEM LAYOUT





MAXIMIZED STORAGE WITHIN THE SAME SPACE & FINANCIAL VIABILITY MOBILE SYSTEM LAYOUT

MOBILEX®

SMARTSHELF® | FIRE STATION GEAR

SMARTSHELF®

SPACE SAVING SOLUTIONS

SOLUTIONS TO OVERCOME YOUR DAY-TO-DAY STORAGE CHALLENGES ORGANIZE. SECURE. READY TO GO.

Public safety is a broad field covering many activities, each of which is equally vital in its way to maintaining law and order. The tasks that need be performed, and the materials needed to fulfill them, vary enormously. But whether you're a courthouse, crime lab, DEA office, or corrections, fire protection, U.S. law enforcement or Canadian RCMP facility, one thing is for sure: you cannot make any compromises when it comes to secure storage.

MILITARY

Soldiers don't settle. Military men and women require highly efficient and practical methodology to complete their missions, right down to how they stockpile their weapons, attire, field equipment and other paraphernalia. While traditional shelving wouldn't survive boot camp, smart military storage goes above and beyond the call of duty to serve those who serve us.

STORAGE FOR THE WHOLE PLATOON OR A SINGLE SOLDIER

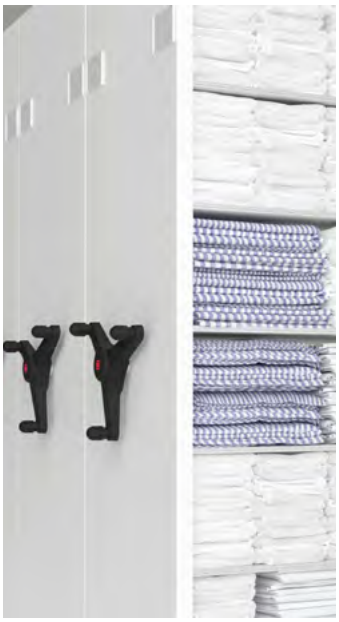
When deciding how best to arm your squad with the most intelligent storage options, both stationary lockers and mobile racking provide optimal solutions for any department. Choosing one over the other boils down to which meshes best with your individual operations.

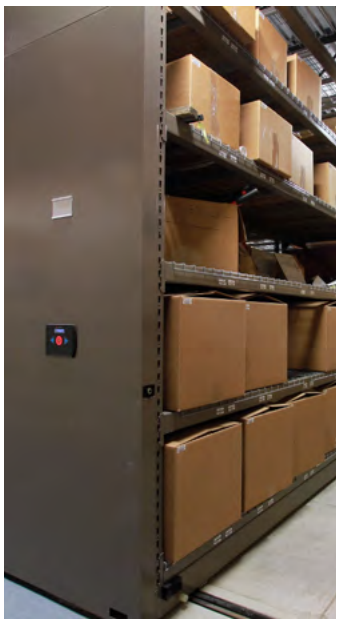
Individual bin compartments give each solider more than just a place to store their supplies: helmets, footwear, tactical equipment, etc. This option also includes hooks for hanging uniforms or canteens and separate storage features like inner shelving and a pull-out drawer large enough to accommodate a fully packed duffel bag. Certain models even include a built-in exterior bench so soldiers can get geared up comfortably.

For those who choose to stock supplies and ammunition in bulk, Montel's high density storage solutions can offer an abundance of shelving without annexing more than its fair share of surface area. With collapsible storage options, any military facility can keep an extensive inventory of equipment and still retain half of its floor plan.

CORRECTIONAL FACILITIES

Public safety officials are required to hold fragile evidence, house firearms, secure possessions belonging to inmates for extended periods of time and manage the day-to-day essentials, such as linen, laundry and food. Smart and secure storage solutions keep their minds focused on the tasks of maintaining the order.





POLICE STATIONS

Police departments face challenges they must approach with versatility to protect the public. Whether it is to organize the paperwork, access to pertinent case files, retain valuable evidence on-site, store large-scale equipment such as older case files, superfluous office furniture or equipment that is necessary but doesn't get much use, like riot gear or manage the uniform inventory, police departments are looking to get organized efficiently, stay vigilant against crime and serve their communities.

EVIDENCE STORAGE DESIGN CONSIDERATIONS MAY INCLUDE:

- General evidence storage shelving
- Refrigerated and frozen evidence storage: refrigerators and freezers or walk-in units
- Secure narcotics storage
- Secure valuables storage
- Flammable evidence storage: fire-rated, ventilated storage room, or ventilated flammable storage cabinets
- Biohazardous evidence storage
- Gun storage
- Short-term evidence storage
- Long-term evidence storage

FIRST RESPONDERS | FIRE STATIONS

To respond to emergencies with speed and preparedness, first responders crucial equipment must be safely stored and centralized: full-body personal protective equipment, helmets, oxygen tanks, axes, industrial hoses, every piece has its own designated storage space. The easier the access, the quicker the response time in case of an emergency.

Every 23 seconds a fire department somewhere in the country responds to an alarm, according to 2015 averages from the U.S. National Fire Protection Association.

SPEED THROUGH HIGH-CAPACITY ORGANIZATION

With only seconds to react after the fire bell sounds, firefighters don't have time to waste scrambling for misplaced or missing equipment. Every tool needed must reside in a centralized location to save time and potentially lives. Dressing order should be a firefighter's only concern; the fire department storage should handle the rest.

But these brave men and women do not pack lightly: full-body personal protective equipment, helmets, oxygen tanks, axes, industrial hoses, the works. Traditional storage lacks the shelf-by-shelf spatial and weight capacities necessary to concentrate all this gear into one location.

To respond to emergencies with speed and preparedness, fire stations require either versatile static shelving like Montel's SmartShelf® units or sturdy, high-density mobile storage installations like mechanical-assist Mobilex® solutions. So when the alarms sound, collapsible storage modules compact equipment storage by 50 percent can be opened quickly by hand, or with a remote control or smartphone or a push of a button on a electrical controller with the SafeAisle® or SAFERAK® powered mobile systems, no matter how fully loaded the units.

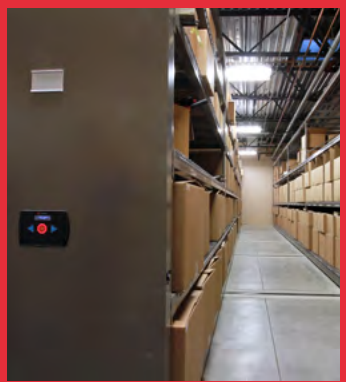
HIGH DENSITY STORAGE SOLUTIONS

GROW FROM THE INSIDE, OPTIMIZE AND GET RESULTS

Montel understands the importance of offering cost-effective innovative storage solutions. For your unique storage needs, our mobile storage systems offer the performance solution required for greater evolving storage capacity in less floor space.

ELIMINATE THE NEED FOR MULTIPLE SPACE-WASTING STATIC AISLES. HERE IS HOW:

1. Static units are mounted on mobile carriages.
2. Mobile carriages travel on tracks.
3. Use the handle to move the manual systems or turn the 3-spoke SafeCrank handle for mechanical-assist systems or push a button on the powered system control to open the desired aisle.



SAFEAISLE® | LONG-TERM EVIDENCE STORAGE

MOBILEX® | SHORT-TERM EVIDENCE STORAGE

MOBILE STORAGE SYSTEMS

Recover 50% or more of your valuable floor space or double your storage capacity with Montel's high density mobile storage systems

QUADRAL
SLIDING MOVABLE LATERAL SYSTEM

Two row or three row push and slide lateral movable storage system. Move front shelving units to access the back row(s). Modular decking provided with anti-tipping.

SMARTSPACE 2M, 2MA, 2P
LIGHT-DUTY STORAGE

Designed to accommodate Montel shelving systems, SmartSpace carriages optimize space utilization and minimize storage & space allocation costs.
Surface mounted galvanized tracks.

SMARTSPACE PLUS 2M, 2MA, 2P
LIGHT-DUTY STORAGE

Same as Smartspace but provided with modular decking including levelling and anti-tipping.

MOBILEX®
MECHANICAL-ASSIST STORAGE SYSTEM

A medium-duty mobile storage system. The track is either recessed in concrete or floor-mounted with plywood construction, and covered with tiles or carpeting.

SAFEAISLE®
POWERED MOBILE SYSTEM

SafeAisle® is the same medium-duty mobile system construction as Mobilex® but powered. The optional and patented Aisle LED Guard™ guarantees complete safety coverage throughout the aisle protecting users and objects.

RACK&ROLL 16MA, 16P
MECHANICAL-ASSIST, POWERED

A medium-duty to heavy-duty mobile system either mechanically operated or powered for a warehouse environment. The track is either recessed in concrete or surface mounted.

SAFERAK® 32P, 60P
POWERED MOBILE RACKING

Heavy-duty powered mobile racking for industrial applications. The track is recessed in concrete.
In compliance with *Rated Machine Safety Standards.*

HI-BAY MOBILE
HIGH-BAY MOBILE WAREHOUSE SHELVING

HI-BAY shelving can also be mounted on powered mobile carriages providing much more storage capacity, or the same storage capacity in half of the space.

SHELVING SYSTEMS

Montel's shelving storage systems are the most versatile in the industry since the shelves, drawers, and accessories are interchangeable between each product line.

SMARTSHELF®
4-POST HYBRID SHELVING
Store a broad array of items with Montel's one-shelf-fits-all 4-post patented hybrid system (US Patent # 6,814,245). Store more using less space with SmartShelf® 's multiple unique features.

AETNASTAK
CANTILEVER SHELVING
Aetnastak is the benchmark in cantilever library shelving. Multiple accessories available. Easiest shelving system to adjust without any tools.

CABINET STYLE
CASE-TYPE SHELVING
Compatible with many Montel's mobile storage systems. The unit can be locked and comes with optional individually lockable drawers. The shelving's streamlined design blends with any environment.

4D-500, 4D-1000, 4D-1500
WIDE SPAN RACKING
Store heavier loads and bulky items with Montel's long-span semi-industrial racking.

HI-BAY
HIGH-BAY WAREHOUSE SHELVING
High-bay shelving maximizes every inch in vertical height of your warehouse. Up to 35 feet high.

SMARTSHELF® | ROLLING SHUTTERS DOORS

OTHER STORAGE SOLUTIONS

Montel's storage solutions offer infinite ways to store perfectly all shapes and sizes of your objects.

CABINETS

LIGHT-DUTY STORAGE CABINETS
HINGED DOUBLE DOORS
Could be provided with or without lockable hinged doors, drawers, trays.

LIGHT-DUTY STORAGE CABINETS
HINGED SINGLE DOOR

LIGHT-DUTY STORAGE CABINETS
COUNTER HIGH HINGED DOORS

LIGHT-DUTY DRAWER CABINETS
100 LB (45 KG)
COMMERCIAL-GRADE DRAWERS.

HEAVY-DUTY DRAWER CABINETS
Shown with steel countertop and optional forklift base.
400 LB (181 KG)
INDUSTRIAL-GRADE DRAWERS.

HEAVY-DUTY MOBILE DRAWER CABINETS
Shown with optional stainless steel countertop.
400 LB (181 KG)
INDUSTRIAL-GRADE DRAWERS.

HEAVY-DUTY MOBILE DRAWER CABINETS
Shown with optional hardwood countertop.
400 LB (181 KG)
INDUSTRIAL-GRADE DRAWERS.

PULL-OUT VERTICAL DRAWER CABINETS

WORKBENCHES

HANGING STORAGE UNIVERSAL CROSSBARS WITH HANGING RODS

MOBILIZE YOUR SHELVING SYSTEM!

SAFECRANK MECHANICAL-ASSIST HANDLES

MODES OF OPERATION

Choose from a wide selection of handles or controllers to operate your mobile system.

MANUAL MOBILE STORAGE SYSTEMS HANDLE

Move the mobile system manually with the system handle.

POWERED MOBILE STORAGE SYSTEMS CONTROL

Operate the mobile system with 3 buttons and view system status on the digit screen.

SAFECRANK MECHANICAL-ASSIST STORAGE SYSTEMS SMALL HANDLE

SafeCrank ergonomic mechanical-assist handles operate easily and smoothy. Simply pressing the aisle safety push-button at the center of the handle locks the system in position. Available in black.

POWERED MOBILE STORAGE SYSTEMS CONTROL WITH PIN FOR RESTRICTED ACCESS

Operate the mobile system with 3 buttons and view system status on the digit screen. PIN access for restricted areas.

SAFECRANK MECHANICAL-ASSIST STORAGE SYSTEMS LARGE HANDLE

SafeCrank ergonomic mechanical-assist handles operate easily. Move multiple mobile shelving units at once without effort. Simply pressing the aisle safety push-button locks the system in position. Available in 3 colors: black, red and white.

POWERED MOBILE STORAGE SYSTEMS LCD TABLET CONTROL WITH OR WITHOUT PIN

Operate the mobile system with 3 buttons an view system status on the LCD screen. PIN access for restricted areas. Limitless customized displays.

MOBILE SYSTEMS MAXIMUM LOAD VS MODES OF OPERATION

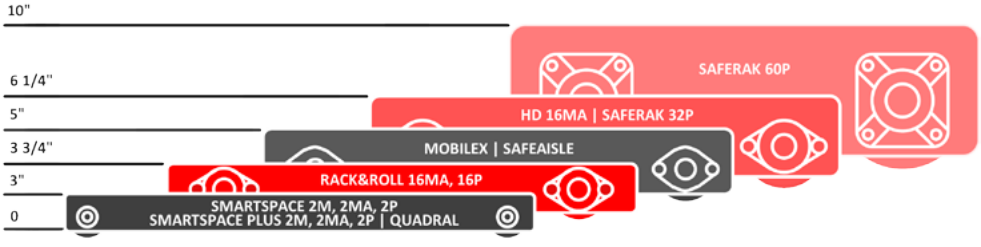
	SHELVING & RACKING CAPACITY			MODES OF OPERATION			
	SLIDING CARRIAGES	SINGLE CARRIAGE	TANDEM CARRIAGES	PUSH & SLIDE MOBILE SYSTEM	MANUAL MOBILE SYSTEM	MECHANICAL-ASSIST MOBILE SYSTEM	POWERED MOBILE SYSTEM
COMMERCIAL SERIES							
2,000 LB (907 KG) **QUADRAL**	✓ 2,000 LB (907 KG) per single bay of shelving	N.A	N.A	✓	N.A	N.A	N.A
2,000 LB (907 KG) **SMARTSPACE 2M, 2MA, 2P**	N.A	✓ 2,000 LB (907 KG) per single face or double face shelving sections	N.A	N.A	✓ SMARTSPACE 2M	✓ SMARTSPACE 2MA Large, Small* SafeCrank	✓ SMARTSPACE 2P
2,000 LB (907 KG) **SMARTSPACE PLUS 2M, 2MA, 2P** PROVIDED WITH MODULAR DECKING	N.A	✓ 2,000 LB (907 KG) per single face or double face shelving sections	N.A	N.A	✓ SMARTSPACE PLUS 2M	✓ SMARTSPACE PLUS 2MA Large, Small* SafeCrank	✓ SMARTSPACE PLUS 2P
1,000 LB per linear foot (1 488 KG per linear meter) **MOBILEX®**	N.A	✓ 1,000 LB per linear foot (1 488 KG per linear meter)	✓ 2,000 LB per linear foot (2 976 KG per linear meter)	N.A	N.A	✓ Large, Small* SafeCrank	N.A
1,000 LB per linear foot (1 488 KG per linear meter) **SAFEAISLE®**	N.A	✓ 1,000 LB per linear foot (1 488 KG per linear meter)	✓ 2,000 LB per linear foot (2 976 KG per linear meter)	N.A	N.A	N.A	✓
HEAVY-DUTY INDUSTRIAL SERIES							
16,000 LB (7 258 KG) **RACK&ROLL 16MA, 16P**	N.A	✓ 8,000 LB (3 629 KG) per single deep rack section	✓ 16,000 LB (7 258 KG) per double deep rack section	N.A	N.A	✓ RACK&ROLL 16MA Large SafeCrank	✓ RACK&ROLL 16P
16,000 LB (7 258 KG) **HD 16MA**	N.A	✓ 16,000 LB (7 258 KG) per single deep rack section	N.A	N.A	N.A	✓ Large SafeCrank	N.A
32,000 LB (14 514 KG) **SAFERAK® 32P**	N.A	✓ 16,000 LB (7 258 KG) per single rack section	✓ 32,000 LB (14 514 KG) per double rack section	N.A	N.A	✓	✓
60,000 LB (27 215 KG) **SAFERAK® 60P**	N.A	✓ 30,000 LB (13 607 KG) per single rack section	✓ 60,000 LB (27 215 KG) per double rack section	N.A	N.A	N.A	✓

* The small SafeCrank handle is only provided for narrow carriages less than 20" wide. Available in black only.

CARRIAGES HEIGHT

COMMERCIAL SERIES

HEAVY-DUTY INDUSTRIAL SERIES



A SMART BOLTLESS SHELVING SYSTEM

SMART SHELF®

A SMART SHELVING SYSTEM FOR YOUR CURRENT AND FUTURE STORAGE NEEDS. YOU CAN FACE THE FUTURE WITH PEACE OF MIND.

You can store anything with SmartShelf®. This new revolutionary shelving system was designed to be configured and reconfigured easily and efficiently. The only good solution is a flexible solution!

STORAGE UPFRONT

POLICE UNIFORMS | GARMENT RODS

GUN CASES STORAGE

MILITARY BASE FOOTBALL TEAM SPORTING GEAR | BIN DIVIDERS

AMMUNITION STORAGE | FRONT STOPS

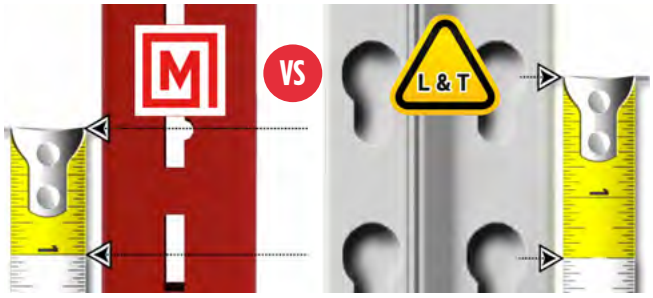
MILITARY BASE KITCHEN

GET MORE VERTICAL & HORIZONTAL SPACE
WITH SMARTSHELF®

TAKE SPACE EFFICIENCY TO A NEW LEVEL | MAXIMIZE YOUR STORAGE | OPTIMIZE YOUR SPACE

Our continuous quest for space optimization has led us to develop SmartShelf®, a shelving system that exceeds industry standards.

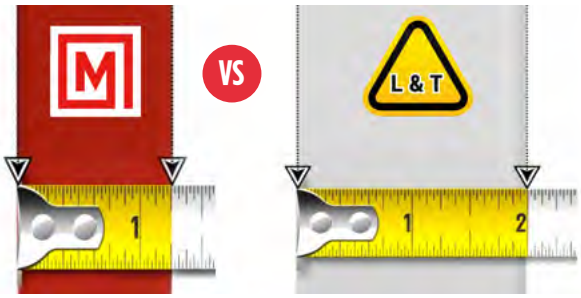
MORE STORAGE VERTICALLY
ADJUSTABLE SHELVES IN 1" (25.4 MM) INCREMENTS



1"
SMARTSHELF® HYBRID SHELVING SYSTEM WITH HOOKS

11/2"
L&T COMMODITY SHELVING

MORE STORAGE HORIZONTALLY
3/4" (19 MM) MORE USABLE STORAGE PER SHELF



11/4"
SMARTSHELF® HYBRID SHELVING

2"
L&T COMMODITY SHELVING

DO THE SMARTSHELF® MATH

100 SECTIONS OF 97" (246.38 CM) HIGH WITH 8 TIERS OF BACK-TO-BACK SHELVING UNITS WOULD REPRESENT:

NOTE: WHAT ABOUT THE ADDITIONAL STORAGE VERTICALLY DUE TO THE 1" INCREMENTS VS. L&T AT 1 1/2" INCREMENTS. ADD THESE EXTRA LINEAR INCHES TO YOUR TOTAL.

8 TIERS
X 2 BACK-TO-BACK SHELVING UNITS
X 3/4" (19 MM) MORE STORAGE PER SHELF

= 12" (30.48 CM) MORE USABLE STORAGE PER SHELVING UNIT
X 100 SECTIONS

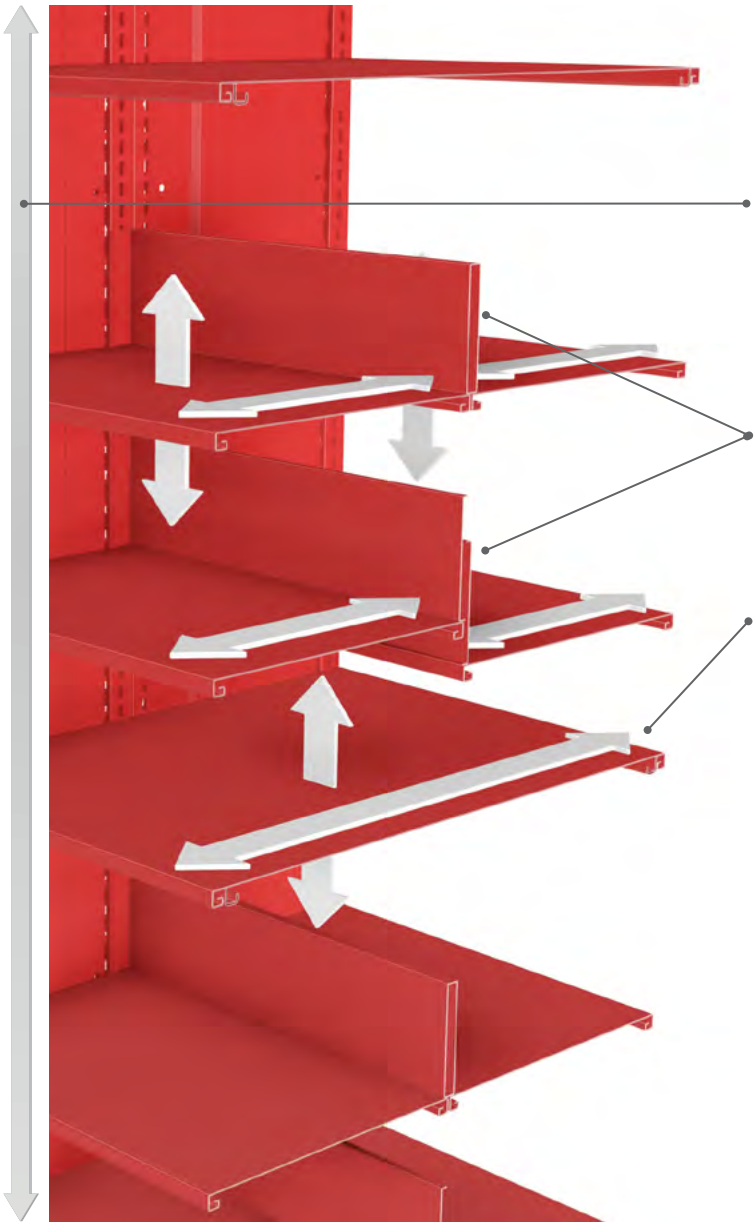
= 1,200" (30.48 M) ADDITIONAL LINEAR INCHES OF STORAGE WITH SMARTSHELF® VS. L&T

COMBINED FLEXIBILITY TO STORE VIRTUALLY ANYTHING

EVERYTHING IS NOW POSSIBLE WITH SMARTSHELF®
TAKE SPACE EFFICIENCY TO A NEW LEVEL

SMART SHELF®

Montel has designed the most versatile storage shelving system. You can store virtually anything without wasting any storage space with SmartShelf® as you can configure and reconfigure your shelving units to fit all shapes and sizes of your objects. You can reconfigure it anytime according to your changing storage needs and available space.



FROM ONE TIER TO THE NEXT

SmartShelf® is the only storage system that can be configured with back-to-back or double face full depth shelves, or any combination of both.

BACK-TO-BACK SHELVES

The shelf system is independently adjustable on both sides for many storage possibilities. Easy to assemble and reconfigure.

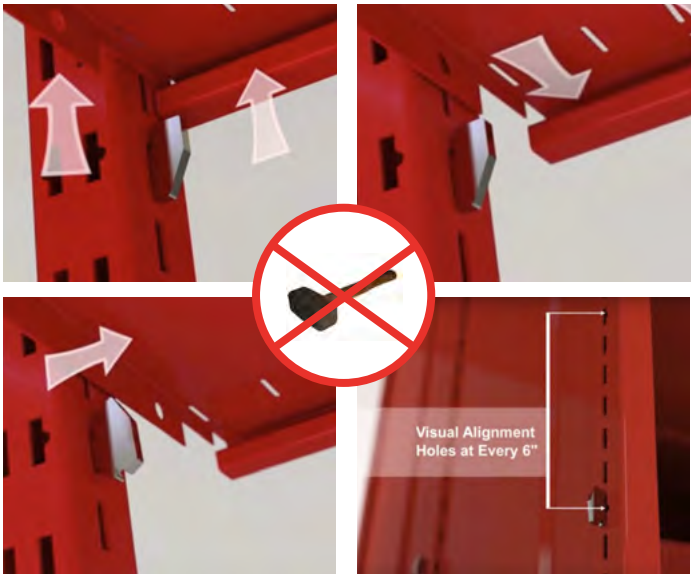
DOUBLE FACE FULL DEPTH SHELVES

For storing large objects of various lengths, shapes and sizes.

AESTHETICS

- No rivets, screws or bolts are used. The shelves, centerstops and backstops fit snugly to the posts, providing a neat and attractive finish. A wide variety of colors is available.
- Optional end panels are available in laminates, wood veneers, and acrylic for an attractive look.
- Adjustable threaded leveling feet are supplied for more stability on uneven floor surfaces.
- Powder-coat paint finishes are extremely durable, preventing marks, scratches and chips while providing a very nice finish.

EASY TO ADJUST A SHELF
SAVE SPACE | SAVE TIME | SAVE MONEY



SHELVING SYSTEM WITH HOOKS: EASY TO RECONFIGURE & NO TOOLS REQUIRED

The SmartShelf® exclusive hook shelf support system provides the quickest and greatest ease of assembly, disassembly, and reassembly.

No tools, hammers or mallets needed to install, remove, or reconfigure shelves as necessary with industry typical shelf support systems.

The shelves can be conveniently put in or taken out without adjusting, tilting, or removing the shelves above or below since the box-formed posts do not impede the front of the shelf. The slide-in & slide-out capability truly reduces the time and effort to reconfigure the shelves, as there is no handling of the various shelf components.

Additionally stored objects are protected from disruption on the adjacent shelves below.

STORE MORE IN LESS SPACE

ADDITIONAL LINEAR STORAGE CAPACITY OF 3/4" (19.5 MM) PER SHELF

Provides more actual usable storage space since the box-formed post does not impede the front of the shelves as found on other systems.

AVAILABLE IN 39 3/8" (1 METER) WIDE SECTIONS

For storing 3 archival boxes perfectly without wasting any storage space (provided each box is maximum 12 1/2" (31.7 cm) wide).

Provides much greater overall capacity compared to other shelving systems that are usually only available in 36" (91.44 cm) or 42" (1.07 m) wide sections thus not optimizing space.

MAKES SHELVING RUNS SHORTER SO YOU CAN STORE MORE IN LESS SPACE

	CORRIDOR SPACE	TOTAL LENGTH	TOTAL CAPACITY
A.	48" ROOM SPACE — x6	M	SMART SHELF
VS	49% MORE ROOM VS B. | 37% MORE ROOM VS C. | 5.9% MORE STORAGE VS C. — 6 Shelving Sections of 39 3/8"	236"	126 Boxes (21 Boxes/Shelving Section)
B.	ONLY 32 1/4" — x6		
	6 Shelving Sections of 42"	252"	126 Boxes (21 Boxes/Shelving Section)
C.	ONLY 44 1/4" — x1, x5		
	1 Shelving Section of 30" + 5 Shelving Sections of 42"	240"	119 Boxes (21 Boxes/42" Shelving Section) (14 Boxes/30" Shelving Section)

NOTE: ILLUSTRATIONS ABOVE REPRESENT 7 TIERS OF SHELVING.

ACCESSORIES

UNLIMITED POSSIBILITIES FOR MAXIMIZING YOUR STORAGE. OPTIMIZE YOUR SPACE.

CASES & CLASSIFIED FILES | PULL-OUT WORKING SHELF

AMMUNITION STORAGE | FRONT STOPS

EVIDENCE STORAGE | DIVIDERS

PERSONAL STORAGE & GEAR LOCKERS | MOBILEX®

MOBILITY BAGS STORAGE | AETNASTAK CANTILEVER SHELVING | HANGING BARS

MOBILEX® WITH PATENTED AISLE SAFETY BRAKE (1) | PULL-OUT DRAWERS (2)

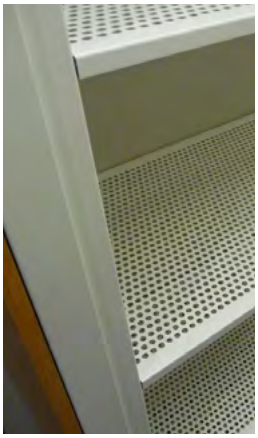
LONG GUN SUPPORTS (1) | HANDGUN PULL-OUT DRAWERS (2)

COMPARTMENTS WITH HINGED DOORS | PERFORATED BACK PANELS

SMARTSHELF® SHELVING RUN ON CASTERS WITH ROLLING SHUTTERS

WIRE SPOOL RODS

SLIDING TRAY



PERFORATED SHELVES

PERFORATED TRAY

PERFORATED FACE PANELS

DRAWERS

HARNESSES STORAGE | AETNASTAK CANTILEVER SHELVING | HANGING BARS

ROLLING SHUTTERS DOORS

UPFRONT ADJUSTABLE HANGING STORAGE BINS

COLD STORAGE | RACK&ROLL 16MA WITH WIRE SHELVING

UNIVERSAL CROSSBARS WITH BIKE SUPPORTS

POLICE UNIFORMS | POLICE DEPARTMENT | GARMENT RODS

UNIVERSAL CROSSBARS WITH HANGING RODS

GUN CASES STORAGE | SMARTSHELF®

MEDICAL SUPPLIES | SMARTSPACE PLUS 2MA WITH UPFRONT STORAGE

WHITEBOARD END PANELS

FIRE STATION GEAR | GARMENT RODS

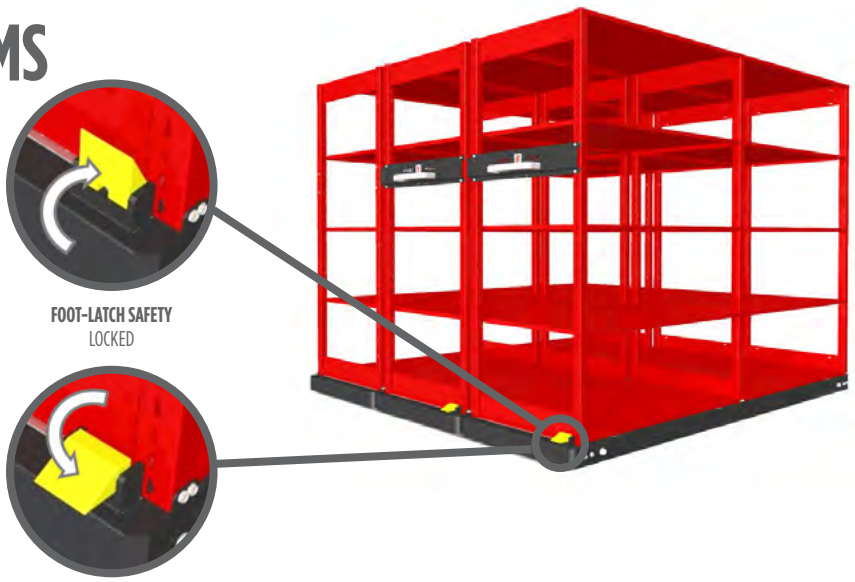
GUN RACK | CANTILEVER SHELVING | AETNASTAK

VERTICAL BIN COMPARTMENTS

DUTY GEAR | LOCKABLE HINGED DOORS | SAFEAISLE®

SAFETY

MANUAL
MOBILE STORAGE SYSTEMS
SMARTSPACE 2M



FOOT-LATCH SAFETY
LOCKED

FOOT-LATCH SAFETY
UNLOCKED

OPTIONAL SAFETY

FOOT LATCH SAFETY

Montel's foot-latch safety for manual SmartSpace mobile storage systems is the ideal option to prevent the mobile storage system from moving. Engaging the foot-latch safety before entering an aisle prevents other users from operating a system already in use.

SAFETIES

MECHANICAL-ASSIST
MOBILE STORAGE SYSTEMS
SMARTSPACE 2MA | MOBILEX® | RACK&ROLL 16MA

STANDARD SAFETY

SAFECRANK AISLE SAFETY PUSH-BUTTON

UNLOCKED | PUSH TO LOCK OR UNLOCK | LOCKED

To operate the system, rotate the SafeCrank handle clockwise or counterclockwise. To lock or unlock the SafeCrank handle, simply press the aisle safety push-button located at the center of the handle. A locked handle prevents the corresponding mobile unit from moving. Mobile units on both sides of an aisle in use must be locked to ensure user safety.

OPTIONAL SAFETY | MOBILEX®

GRAVITY-FED MECHANICAL SAFETY BRAKE

(US PATENT # 7,645,000 / CANADA PATENT # 2,545,090)

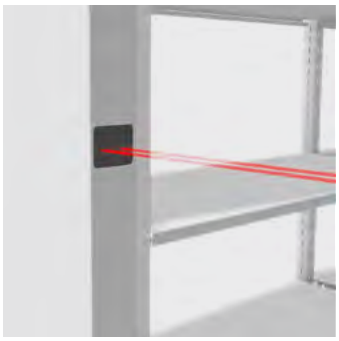
Montel's patented mechanical safety brake ensures complete protection for users and objects. The toe-level bar, when pressed, will automatically stop the carriage. Only a light pressure is needed for the bar to activate the mechanism.

SAFETIES

POWERED
MOBILE STORAGE SYSTEMS
SMARTSPACE 2P | SAFEAISLE® | RACK&ROLL 16P

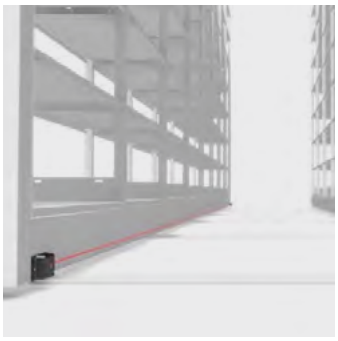
STANDARD SAFETIES

AISLE-ENTRY PEOPLE COUNTER



Carriage movement instantly stop when the system detects any beam disruption in front of the storage system when a user is entering an aisle.

INFRARED FOOT-LEVEL SAFETY BEAM
ONE SIDE OF MOBILE CARRIAGE

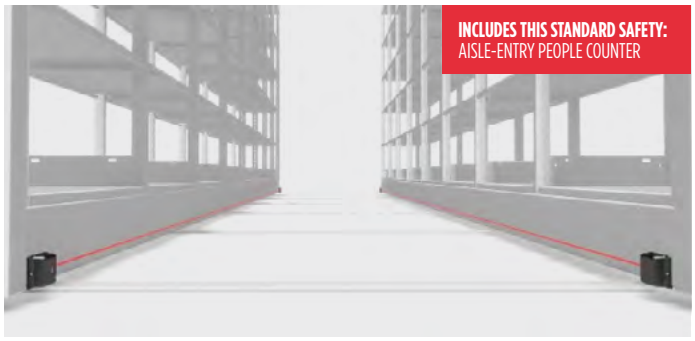


Photoelectric beam projecting on one side of each aisle is mounted low on the carriage side member.

NOTE: SUITABLE ONLY FOR VERY LOW TRAFFIC RESTRICTED AREAS, AND SHORT MOBILE CARRIAGES BUT NOT RECOMMENDED FOR PUBLIC ACCESS SPACES.

OPTIONAL SAFETIES

INFRARED FOOT-LEVEL SAFETY BEAMS
BOTH SIDES OF MOBILE CARRIAGE

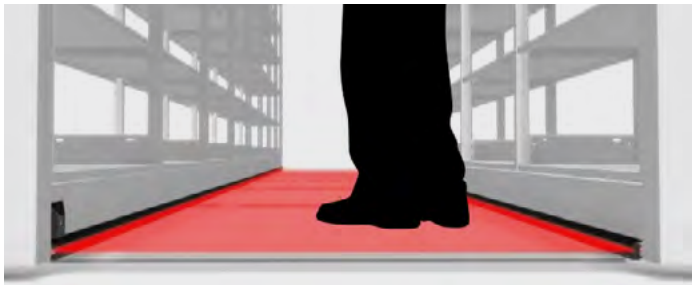


Photoelectric beams projecting on both sides of each aisle are mounted low on the carriage side members.

NOTE: SUITABLE ONLY FOR LOW TO MEDIUM TRAFFIC RESTRICTED AREAS BUT NOT RECOMMENDED FOR PUBLIC ACCESS SPACES.

ADVANCED OPTIONAL SAFETY

AISLE LED GUARD™
COMPLETE AISLE-DETECTION PASSIVE SAFETY



NOTE 1: AISLE LED GUARD™ IS REQUIRED FOR PUBLIC ACCESS AREAS.
NOTE 2: FLOOR LEVEL-SAFETY BEAM(S) ARE NOT REQUIRED WITH AISLE LED GUARD™.

AISLE LED GUARD™ IS PATENTED.

MONTEL REVOLUTIONIZES MOBILE STORAGE WITH AISLE LED GUARD™ FOR SMARTSPACE 2P, SAFEAISLE® AND RACK&ROLL 16P

Montel's powered mobile systems supplied with the advanced optional safety Aisle LED GUARD™ passive safety adds a new dimension by continuously detecting the whole floor surface footprint of an aisle.

LED sensors detect people and objects in open aisles. While aisles are in use or occupied, racking modules are locked in place, thereby protecting users from injury and stored materials from damage. Regardless of what you and your organizations stores Aisle LED Guard™ ensures no avoidable harm comes to any of it should it fall from your shelves.

COMPLETELY PASSIVE

Aisle LED Guard™ is 100% passive. Users do not have to remember to locate and activate any safety devices when interacting with the mobile shelving or racking system. Even with fully loaded racking, Aisle LED Guard™ will protect users and objects left in the aisle without human intervention.

FULL COVERAGE

Where users stand in an open aisle will not impact the effectiveness of Aisle LED Guard™. No matter where a user are located in the aisle, no matter where in the aisle a product falls, no matter if a pallet is left in the aisle, the units will not close without complete clearance.

FOOLPROOF DESIGN

Aisle LED Guard™ used in Montel products cannot be deactivated, overwritten or bypassed. No sequence of button mashing or reconfiguration will shut it down. Aisle LED Guard™ places mobile shelving installations in a constant state of vigilance.

IMPROVE PRODUCTIVITY

SmartSpace 2P, SafeAisle® and RACK&ROLL 16P systems provided with Aisle LED Guard™ automatically reset as soon as a user or object is cleared from an aisle. Users waste no time manually resetting an aisle after each use.

SAFETIES

POWERED
MOBILE STORAGE SYSTEMS
SAFERAK® 32P | SAFERAK® 60P

RATED MACHINE SAFETY STANDARDS

RATED MACHINE SAFETY STANDARDS

IN ORDER TO BE COMPLIANT WITH "RATED MACHINE SAFETY STANDARDS", MONTEL HIRED AN OUTSIDE FIRM SPECIALIZED IN ANALYZING SAFETY IN INDUSTRIAL ENVIRONMENTS. FOLLOWING THIS ANALYSIS, MONTEL DECIDED TO COMPLY BY OFFERING NUMEROUS STANDARD SAFETIES.

SYSTEM ENTRY INFRARED BEAM CURTAIN

Carriage movement instantly stop when the system detects any beam disruption in front of the storage system.

INFRARED FLOOR-LEVEL SAFETY BEAMS
BOTH SIDES OF EACH MOBILE CARRIAGE

Photoelectric beams projecting on both sides of each aisle are mounted low on the carriage side members.

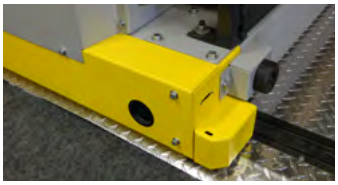
READILY ACCESSIBLE EMERGENCY STOP BUTTON

Face panels emergency stop buttons are arguably the most identifiable element on a SAFERAK®.

SAFEGUARDS FOR ALL MECHANICAL MOVING PARTS

All mechanical moving components are concealed and protected by a steel safety guard to prevent inadvertent access.

MECHANICAL RATCHET BACKUP OVERRIDE



The mechanical ratchet ensures complete accessibility even in the event of a power failure (no operational downtime).

STROBE LIGHT AND BUZZER

A safety alert buzzer, a visual signal and flashing notifications are provided prior to and during carriage movement.

OPTIONAL SAFETIES

IN-AISLE EMERGENCY STOPS
ALTERNATING AND OFFSET ON EACH SIDE OF AN AISLE. EN95 4-1 CATEGORY 1 COMPLIANT

INDUSTRIAL PLC ON EVERY MOBILE

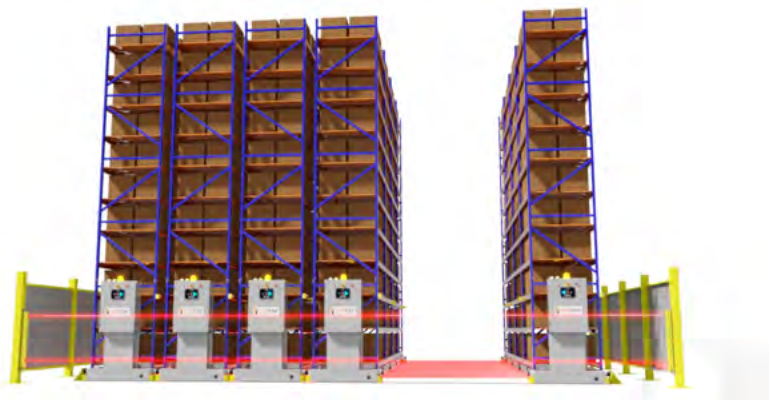
LADDER SECURITY

KEYSWITCH

SECURITY PERIMETER
ISO 13857 COMPLIANT

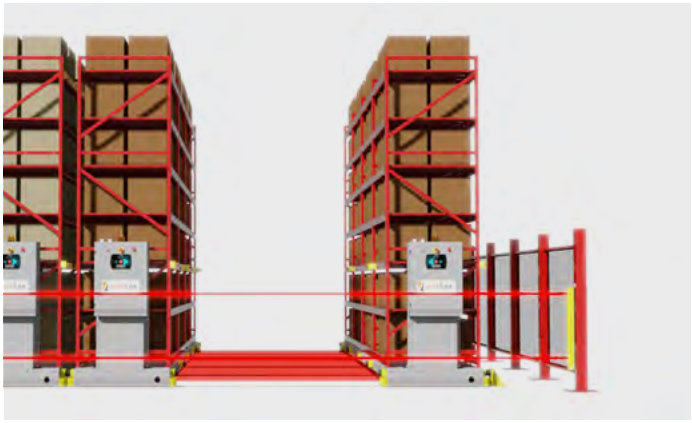
AISLE LED GUARD™ ADVANCED OPTIONAL SAFETY

POWERED
MOBILE STORAGE SYSTEMS
SAFERAK® 32P | SAFERAK® 60P



ADVANCED OPTIONAL SAFETY

AISLE LED GUARD™
COMPLETE AISLE-DETECTION PASSIVE SAFETY



NOTE: RECOMMENDED FOR PUBLIC ACCESS OR HIGH TRAFFIC AREAS.

AISLE LED GUARD™ IS PATENTED.

MONTEL REVOLUTIONIZES MOBILE STORAGE WITH AISLE LED GUARD™ FOR SAFERAK® 32P AND SAFERAK® 60P

Montel's powered mobile systems supplied with the advanced optional safety Aisle LED Guard™ passive safety adds a new dimension by continuously detecting the whole floor surface footprint of an aisle.

THE WORLD OF HIGH-DENSITY STORAGE WILL NEVER BE THE SAME

Aisle LED Guard™ represents a major watershed moment in employee safety and shrinkage prevention for industrial storage used in day-to-day operations.

With nearly a century of mobile storage experience under its belt, Montel developed Aisle LED Guard™ to keep industries everywhere perpetually productive, cost-effective and employee-friendly. So, how does Montel's patented Aisle LED Guard™ work and why do those features matter to modern businesses?

AISLE LED GUARD™ IN A NUTSHELL

Mobile shelving and racking reduces storage footprints thanks to its collapsible architecture. However, in industries like manufacturing and logistics where processes move at lightning speed, thoughtlessly closing a mobile storage unit could pose a risk to both goods and workers.

LED sensors detect people and objects in open aisles. While aisles are in use or occupied, racking modules are locked in place, thereby protecting users from injury and stored materials from damage. Regardless of what you and your organizations stores Aisle LED Guard™ ensures no avoidable harm comes to any of it should it fall from your racking.

SEEMS PRETTY STRAIGHTFORWARD, RIGHT? LET'S DIG A BIT DEEPER INTO AISLE LED GUARD™ TO FULLY UNDERSTAND HOW MONTEL DESIGNED THE PERFECT SAFETY PRECAUTION:

COMPLETELY PASSIVE

Aisle LED Guard™ is 100% passive. Users do not have to remember to locate and activate any safety devices when interacting with the mobile shelving or racking system. Even with fully loaded racking, Aisle LED Guard™ will protect users and objects left in the aisle without human intervention.

FULL COVERAGE

Where users stand in an open aisle will not impact the effectiveness of Aisle LED Guard™. When Montel customers invest in powered mobile shelving or racking systems supported by Aisle LED Guard™, they're putting their money into complete aisle coverage for consummate protection. No matter where a user are located in the aisle, no matter where in the aisle a product falls, no matter if a pallet is left in the aisle, the units will not close without complete clearance. With full coverage from LED sensors, Aisle LED Guard™ protects users and objects every step of the way.

FOOLPROOF DESIGN

Aisle LED Guard™ used in Montel products cannot be deactivated, overwritten or bypassed. No sequence of button mashing or reconfiguration will shut it down. Aisle LED Guard™ places mobile shelving installations in a constant state of vigilance.

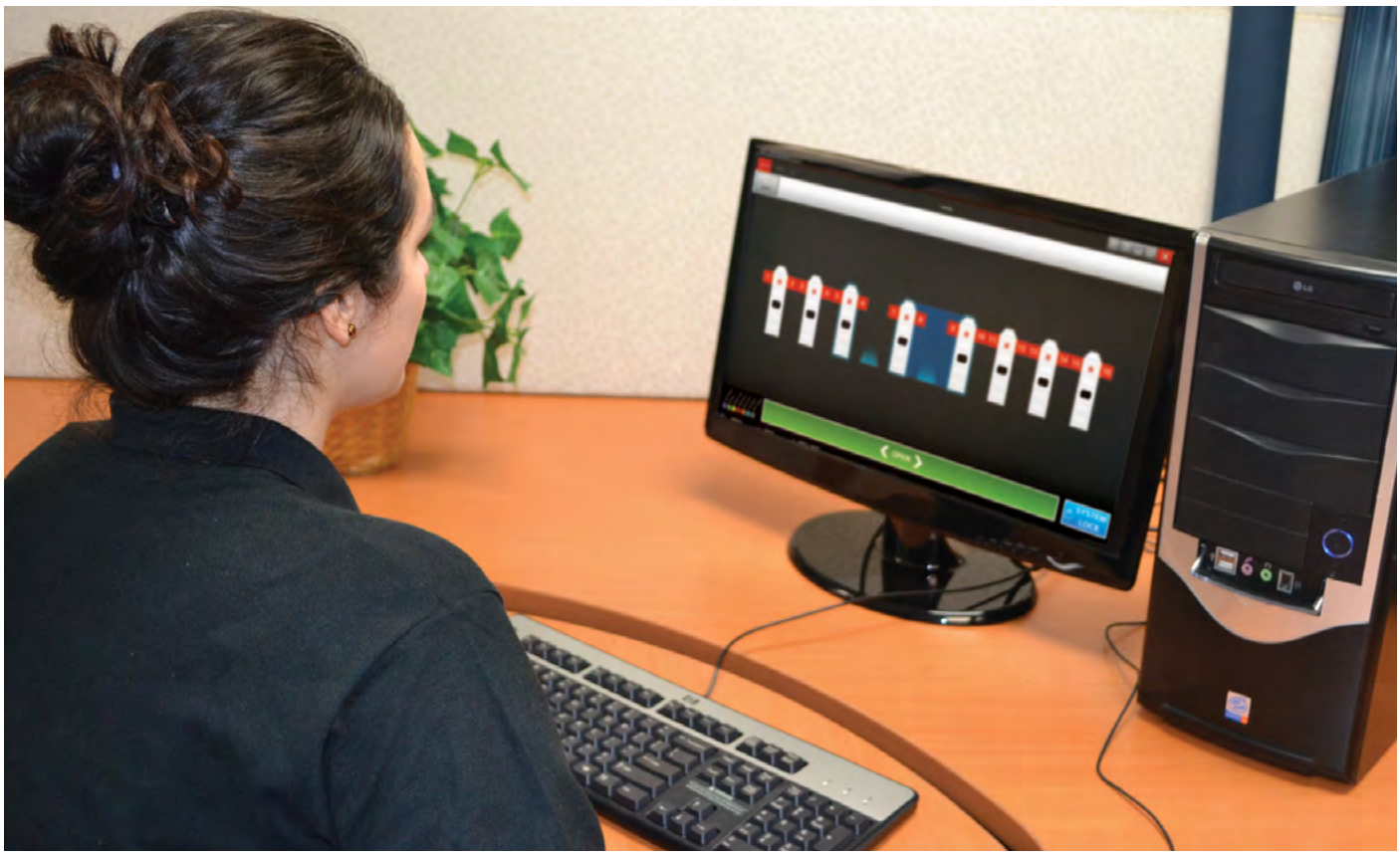
IMPROVE PRODUCTIVITY

Operators can easily reset SAFERAK® remotely with the industrial rugged Wi-Fi remote control. Users won't have to step out of their forklifts to reset the system.

ePulse™ REMOTE MONITORING SOFTWARE

INCREASE PRODUCTIVITY WIRELESSLY

PAIRS WITH
SMARTSPACE 2P
SAFEAISLE®
RACK&ROLL 16P
SAFERAK® 32P
SAFERAK® 60P



INCREASE PRODUCTIVITY WIRELESSLY

Created to provide additional certainty and safety monitoring once Montel's high-density powered mobile storage systems are installed, Montel now offers ePulse™. This remote monitoring & configuration software has the functionality of providing the capability to manage settings remotely and monitor your high-density powered mobile system's performance and operations with assurance. If remote network connectivity access to Montel is granted, certified technicians could monitor and configure your system remotely from their own location.

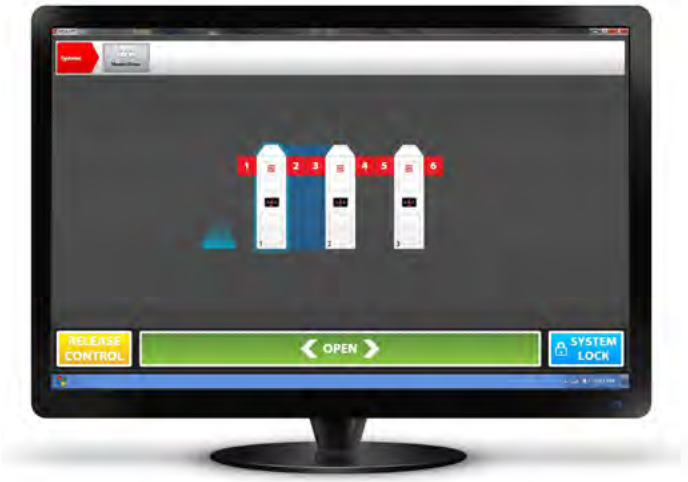
For maximum reliability and peace of mind, ePulse™ proactively identifies any potential issues with your system, provides quick diagnostics of the system to maximize your uptime, sends automatic email notifications of system errors. You could even decide to monitor and configure your own Montel powered mobile system 24 hours a day, every day of the year.

To increase productivity & efficiency, ePulse™ allows to collect aisle entry data for any preset period of time from your Montel powered mobile system. Once this data is analyzed for each aisle, ePulse™ permits to reconfigure your powered mobile system to your preferred settings and parameters including:

- Priority Aisle
- Auto-Closing/Security Park
- Auto-Spacing/Ventilation Park
- Auto-Cycling
- Programmable Speeds (start-up/cruising/braking)
- Sequential Move, Block Move

For additional security, with the collected & analyzed aisle entry data from your powered mobile system, ePulse™ allows to reconfigure the security settings of your system at anytime. Whether it be adjusting the programmable speeds, or remotely configuring your system to close all aisles and lock at a specific time after business hours, or open and unlock before business hours, ePulse™ offers security with peace of mind.

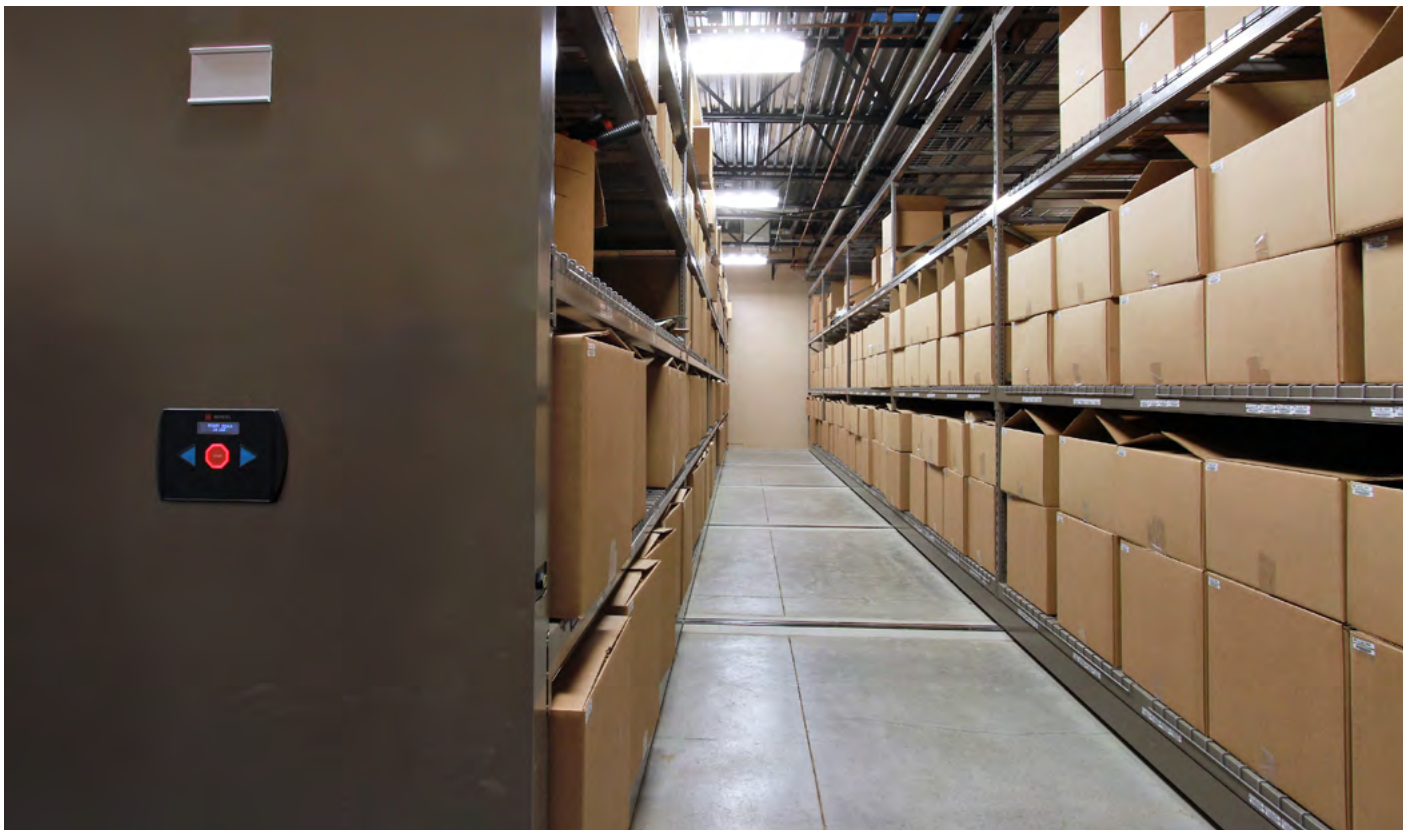
ePulse™
Remote Monitoring Software



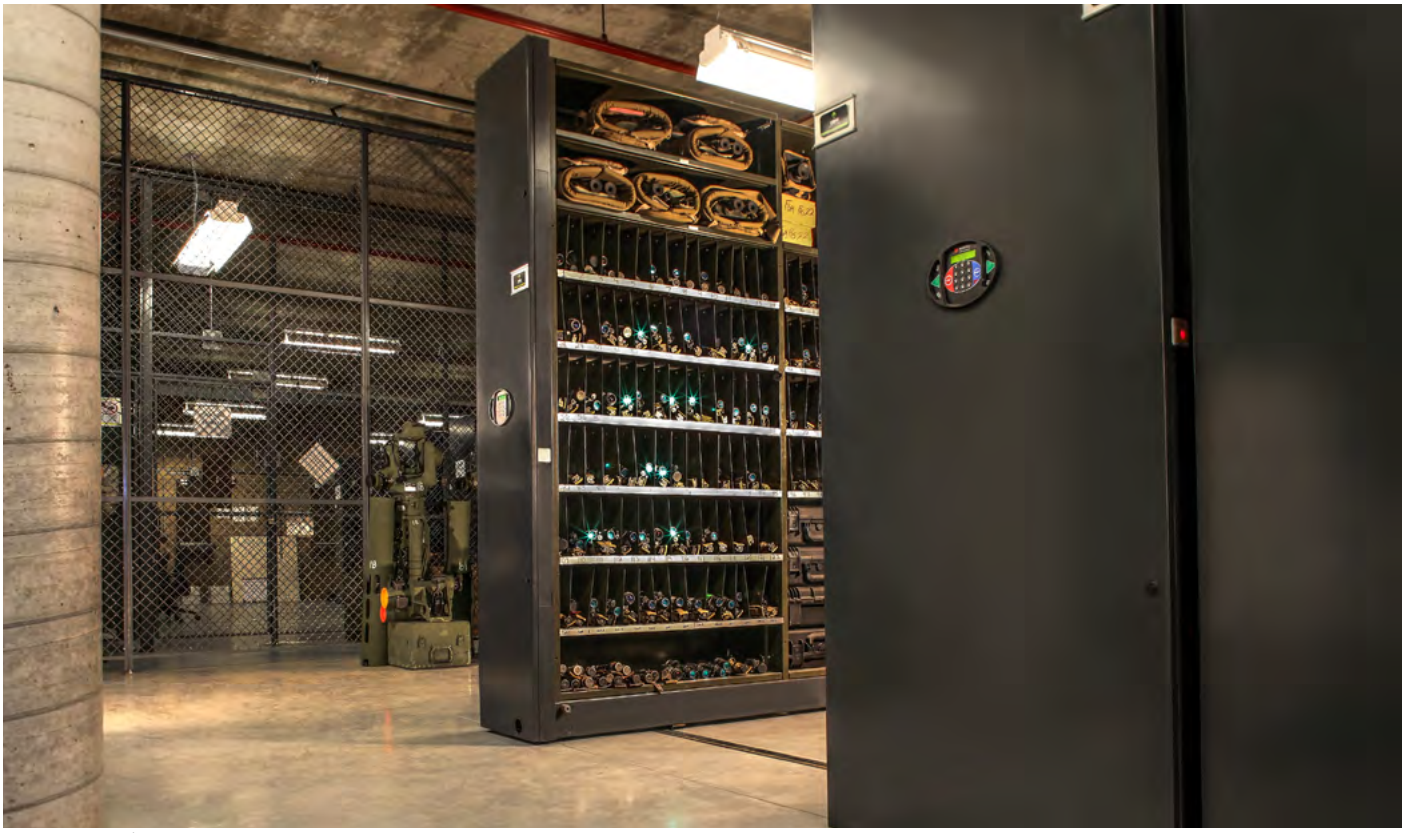
Montel powered systems can be operated remotely from the fingertips on your computer with the ePulse™. The TCP/IP protocol facilitates the network connectivity from a computer to the Montel powered system. This provides reliable high-speed communication, and permits remote reconfiguring of your system using the ePulse™ remote monitoring & configuration software.

Montel's ePulse™ remote monitoring & configuration software is available with SmartSpace 2P, SafeAisle®, RACK&ROLL 16P, SAFERAK® 32P, SAFERAK® 60P.

MILITARY HOSPITAL OR CLINIC | **SMARTSPACE** PLUS 2MA WITH UPFRONT STORAGE



LONG-TERM EVIDENCE STORAGE | **SAFEAISLE**® POWERED MOBILE SYSTEM WITH 4D WIDE SPAN RACKING | WIRE MESH DECKING

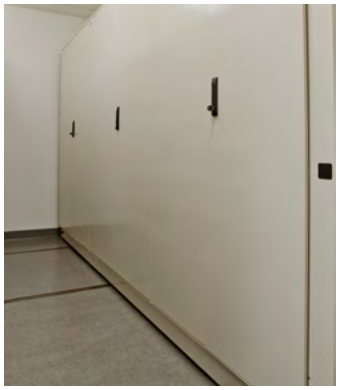


MILITARY GEAR STORAGE | **SAFEAISLE**® POWERED MOBILE STORAGE SYSTEM

CASES & CLASSIFIED FILES | **MOBILEX**® MECHANICAL-ASSIST MOBILE STORAGE SYSTEM

CRIMINAL JUSTICE FACILITIES

SAFETY AND SECURITY SHOULD NEVER BE AN ISSUE IN A CORRECTIONAL FACILITY. CRIMINAL JUSTICE FACILITIES NEEDED AN EFFICIENT WAY TO STORE INMATES BELONGINGS AND DAY-TO-DAY MATERIALS.



DOUBLED SECURITY | PIN-CODE CONTROLLER & LOCKABLE HINGED DOUBLE DOORS

> “Prison overcrowding is a real problem. Funding of new buildings or expansions is inadequate. Evidence, equipment, and property are also lacking sufficient storage space. Montel overcomes these challenges with high density space saving storage solutions”

CHALLENGES

Due to the prison overcrowding problem for a prison, a proposal was approved to build a new facility having 1,867 cells in a three-story maximum security tower.

OBJECTIVE

A jail needed to be designed to maximize storage areas with innovative quality security features.

SOLUTION

Based on an assessment of the jail’s space needs, Montel proposed high-density mobile systems that would maximize capacity storage with features specified to increase security and safety for both inmates and detention officers.

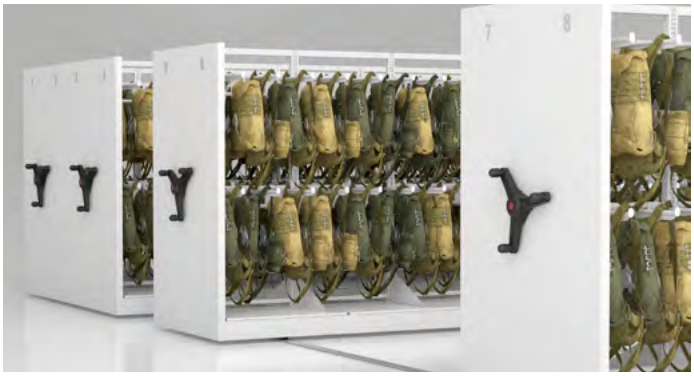
PRODUCT DESCRIPTION

Montel provided the following high-density mobile solution configuration:

- Mobilex® mechanical-assist mobile storage systems;
- SafeAisle® powered electrical mobile systems;
- SmartShelf® 4-Post shelving systems accommodating specially designed compartments to store the inmate's personal effects;
- Each 48" bay consisted of 21 bin compartments 85" high;
- Compartments enclosed with lockable hinged doors for controlled access.

UNITED STATES ARMY

MONTEL PROVIDES MANY MILITARY BASES WITH HEAVY-DUTY MOBILE AND STATIC HIGH DENSITY STORAGE SOLUTIONS



SAFERAK® 32P INDUSTRIAL
POWERED MOBILE RACKING

UNITED STATES ARMY

> “WE GREW FROM THE INSIDE SO NO NEED TO EXPAND”

CHALLENGES

With a significant volume increase for its strategic and critical material stored to capacity, a US Military Air Force Base was experiencing an outage of its storage space.

GOAL

Rather than proceeding with the building of a new warehouse facility, a US Military Air Force Base wanted to minimize construction costs while optimizing its warehouse storage space

SOLUTIONS

A state-of-the-art high-density storage system was proposed to a US Military Air Force Base with 25-foot carriages for a maximized space utilization within its warehouse.

PRODUCT FEATURES

Montel provided the following custom designed military storage solution:

- Powered SAFERAK® 32P compact storage system with pallet racks on motorized carriages;
- Mobile storage racks designed for a load capacity performance of 32,000 lb (14,514 kg) per double rack section;
- Controller on each drive column to operate the system and display its status;
- Proximity detectors controlled electronically;
- 2 foot-level infrared safeties for each aisle;
- Flashing light and horn safety features that provide visual and audible warnings.

WE BUILD SATISFACTION

Since 1924, Montel has pioneered high density mobile storage systems providing cost-efficient storage solutions using less space.

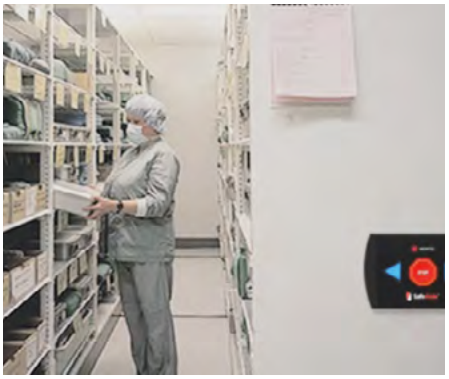
CUSTOM-BUILT FOR YOUR INDUSTRY

WE'VE MANUFACTURED AND INSTALLED THOUSANDS OF PROJECTS AROUND THE WORLD.

MOBILEX® MECHANICAL-ASSIST MOBILE SYSTEM WITH WITH **4D** WIDE SPAN RACKING

SMARTSHELF® 4-POST HYBRID SHELVING SYSTEM

SAFEAISLE® POWERED MOBILE SHELVING SYSTEM



SAFEAISLE® POWERED MOBILE SHELVING SYSTEM

MOBILEX® MECHANICAL-ASSIST MOBILE SHELVING SYSTEM

SAFERAK® POWERED MOBILE RACKING SYSTEM FOR COLD STORAGE

WHAT ELSE DO WE DO?

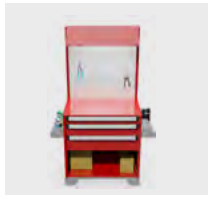
STORAGE SOLUTIONS THAT HELP YOU TO GROW FROM THE INSIDE, OPTIMIZE AND GET RESULTS.

HEAVY-DUTY MOBILE RACKING SYSTEMS

SHELVING SYSTEMS

INDUSTRIAL MODULAR DRAWERS

CABINETS



WORKBENCHES

HANGING STORAGE SCREENS & PANELS

WHY CHOOSE MONTEL STORAGE SOLUTIONS?

SAVE SPACE | SAVE TIME | SAVE MONEY

GET RESULTS FROM YOUR SQUARE FOOTAGE: FAST ROI

Save up to 50 % of your value generating space.

WORK WITH STORAGE-SAVVY EXPERTS

We manufacture the one and only solution. The best one.

TOTAL OFFER CUSTOMIZED TO YOUR NEEDS

We will go to any length, depth, width, height, and weight.

BETTER ORGANIZE YOUR SKUs

Gain productivity while inventory management & security are improved.

MEET YOUR ENVIRONMENTAL OBJECTIVES

Minimize your environmental impact by reducing your footprint.

OUR MISSION

THE EMPLOYEES OF MONTEL SET OUT A VERY PERSONAL OBJECTIVE: BUILD THE BEST STORAGE SYSTEMS IN THE WORLD.

Their talent, commitment and dedication have been put to the test numerous times.

At Montel, client satisfaction is an ongoing priority. Our highly competent Authorized Montel Distributors are specialists in providing turnkey project solutions including space planning, design and floor loading consulting services, and factory certified system installations. They are also committed to providing a high level of professionalism and an outstanding customer service before and after the sale.

MONTEL INTERNATIONAL PRESENCE

68
COUNTRIES

MONTEL ACHIEVED PRESTIGIOUS REALIZATIONS IN MORE THAN 68 COUNTRIES

65
DISTRIBUTORS

65 AUTHORIZED MONTEL DISTRIBUTORS AROUND THE WORLD

SINCE
1924

MORE THAN 9 DECADES OF INNOVATIVE STORAGE SOLUTIONS

UNITED STATES AIR FORCE BASE

CERTIFICATIONS & STANDARDS

MONTEL ISO 9001

MONTEL ISO 14001

UL

CONTINUING EDUCATION

CANADA GREEN BUILDING COUNCIL MEMBER

ADA COMPLIANT

FIRE PROTECTION COMPLIANT

SUPERIOR SAFETY RECORD

AUTOCAD COMPATIBILITY R A REVIT MODELS

SUPERIOR WARRANTY

RATED MACHINE SAFETY STANDARDS

GSA Contract Holder
with Contract # GS-28F-0017M

GSA Advantage!®

For the most recent version of this document, please go to the Montel website at www.montel.com/en/design-center. In case of discrepancy, the web version takes precedence over any printed literature.

MONTEL®
Intelligent Use of Space

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