



**MILITARY**  
APPLICATIONS



RIGID-FRAME TENSION FABRIC BUILDINGS

**INNOVATIVE SOLUTIONS**  
THAT WITHSTAND THE  
TOUGHEST CONDITIONS



# CUSTOM ENGINEERED TENSION FABRIC STRUCTURES

Legacy Building Solutions offers custom fabric structures for permanent or semi-permanent military applications. We combine the proven engineering and design flexibility of all steel buildings with the portability, expedited construction and energy efficiency of rugged fabric structures. Legacy buildings are engineered for the highest level of safety in specific applications across the globe.

Our 100% in-house services include design, engineering, manufacturing, construction management and installation of each building. Legacy buildings are made in the USA and installed worldwide for tighter quality control and reduced construction timelines. Our team uses decades of experience and advanced engineering techniques to provide specialized design and wider clearspan spaces in any environment.

## ➤ FABRIC APPLICATIONS

WASH-DOWN & POL SHELTERS	AIRCRAFT HANGARS	REPAIR & MAINTENANCE FACILITIES FOR WHEELED VEHICLES
MRO FACILITIES	LOGISTICS SUPPORT FOR DEPLOYMENT & RETURN OF ASSETS FROM THEATER	COLD STORAGE & WAREHOUSING
MWR & RECREATION FACILITIES	SHADE SHELTERS	DINING FACILITIES

# THE LEGACY ADVANTAGE



## Customizable **DESIGN**

- Clearspan widths of 300+ feet, peak height and slope to meet specifications
- Solid steel I-beams allow for hanging loads from conveyors, catwalks, shelving and cranes
- Flexible design allows for effective and efficient operations
- Weather-tight seal and a dry, usable building envelope
- Accommodate any size aircraft or cargo door requirements



## Proven **ENGINEERING**

- Meets or exceeds code requirements
- Multiple foundation options available
- Fabric attached to each steel frame
- 100% custom in-house design and engineering services
- ISO 9001 accredited manufacturing facility
- CWB certified, AWS qualified welders



## Full-Service **INSTALL**

- Fast track installation for faster ROI
- Fabric installed in a fraction of the time of traditional construction options
- Bonded and insured
- Worldwide installation services
- Installers have OSHA and MSHA certifications



## Maximize **ROI**

- Consistently reported energy cost savings
- Built as permanent but portable as needed without loss of quality
- Ideal for off-grid use
- Nearly maintenance free



## Natural **LIGHT**

- PVC fabric options available
- Enjoyable natural environment
- Fabric membrane provides an abundance of natural light
- Uninsulated fabric has up to 12% translucency



## MONTGOMERY VENTURES AVIATION HANGARS

NIGERIA

**27 BUILDINGS**

- Three building sizes: 60 feet x 60 feet, 51 feet x 70 feet, 130 feet x 70 feet
- 60 x 60 buildings have 17.5-foot on center frames; other buildings have 20-foot frames
- Legacy provided technical supervision for local install crews
- Built on existing concrete foundation
- Steel frame and components primed
- 90 mph windspeed, seismic A



## CAMP PENDLETON WAREHOUSE

CAMP PENDLETON, CA

**2,520 SQ FT**

- Building size: 42 feet x 60 feet with open ends
- Installed by Legacy crews
- 16-foot column height
- All building steel, components and hardware are hot dip galvanized
- Flame-retardant fabric
- Standard 1-foot overhang
- Designed for 85 mph wind, standard occupancy





## CAMP LEMONNIER NEX

CAMP LEMONNIER, DJIBOUTI

**11,200 SQ FT**

- Building size: 70 feet x 160 feet
- R-30 insulation and liner
- HVAC including duct ventilation system
- Personnel and overhead doors supplied and installed by Legacy
- Permanent structure designed for future relocation and expansion
- Installed by Legacy crews
- 106 mph windspeed



## FORT McMURRAY FIRE HALL GARAGE & TOOL SHED

FORT McMURRAY, AB

**TWO BUILDINGS**

- Garage: 46 feet x 50 feet; tool shed: 40 feet by 56 feet
- Flame-retardant fabric
- R-30 insulation with interior fabric liner
- 18-inch eave with soffit ventilation
- Attached CO and NOx monitors and siren
- Commercial grade overhead doors with electronic opener
- Legacy acted as construction manager, including removing and pouring new concrete foundation
- 1.5 kPa Ss, .1 kPa Sr, .35 kPa windspeed, open exposure, partially enclosed, low occupancy





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**UNITED STATES | CANADA | SOUTH AMERICA**



## **HEADQUARTERS**

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