



# GOODYEAR AIRSHIP BASE CARSON, CALIFORNIA



The Goodyear Airship Operations base in Carson, California was established on January 25, 1968. For almost 50 years, the base located north of the 405 freeway has served as the official west coast home of the iconic Goodyear Blimp. In 2017, Goodyear is introducing the most significant upgrade to the base in nearly half a century. Property upgrades will include the first-ever air dock—an entirely inflatable hangar; updated mooring facilities; and a new inflatable maintenance building.

## HANGAR SPECIFICATIONS

Length	370 ft.
Height	88 ft.
Width	136 ft.
Area	40,000 sq. ft.
Weight	30,000 lbs.
Material – Hangar Body	73 miles of PVC-coated polyester
Material – Hangar Eyelid Door	Polycarbonate-coated Vectran
Construction	Stressed-skin (monocoque), meaning the air-containing skin provides the structural strength
Manufacture Time	7 months
Install Time	1 day
Manufacturer	Lindstrand Technologies

## ABOUT THE INFLATABLE CONSTRUCTION

There is no metal or load tape in the construction of the new hangar or the new maintenance building. The PVC-coated polyester fabric of the building body is joined by welding. The skin carries out both tasks of containing air and providing structural strength. The design features two parallel layers of fabric with fabric formers perpendicular to the outer and inner surface. The super pressure inside the air tubes maintain the hangar shape.

The advantage of this construction is that everything will flex and move the same way, making the hangar resistant to environmental elements like wind. The building will be anchored with an interior perimeter of concrete ballast blocks to secure it to the ground.

Once complete, the hangar will be the largest stressed-skin inflatable structure in the world.