



A Faster  
Way to Build

# SPACEX

ASSEMBLY BUILDINGS



**instaPlex**

Manufactures Representative  
Sprung Instant Structures  
Schweiz | Lichtenstein | Deutschland  
Österreich | Italia

**[www.instaplex.ch](http://www.instaplex.ch)**

[info@instaplex.com](mailto:info@instaplex.com)

# Your assembly buildings solution, engineered and manufactured by Sprung Structures



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## About the Project

### THE ASK

SpaceX was founded in 2002 by Elon Musk with the goal of reducing space transportation costs to enable the colonization of Mars. SpaceX manufactures the Falcon 9 and Falcon Heavy launch reusable vehicles, several rocket engines, Cargo Dragon, and crew spacecraft. They needed more immediate space for building and testing rocket ships.

### HOW SPRUNG DELIVERED

SpaceX needed much-needed manufacturing space quickly. After seeing firsthand how Sprung performed in supplying Tesla with a model three production facility in 20 days, SpaceX turned to Sprung Structures who designed and engineered three 150' wide structures within a few short weeks of order.

The scale of the SpaceX Falcon 9 is significant in scope which meant that a standard 150' wide structure needed additional clearances. Sprung developed a unique anchoring system on two levels of containers to gain additional manufacturing height. We also provided a customized door large enough to handle manufactured rockets without the typical "special order" delays. SpaceX continues to innovate space technologies and Sprung continues to respond to their needs including smaller storage structures, new door systems and facility upgrades.



**Currently manufacturing is underrated, and design is overrated."**

**"Basically, the amount of effort that goes into the design rounds down to zero. Relative to the effort that goes into the manufacturing system."**

– Elon Musk, July 2021  
<https://youtu.be/t705r8ICkRw>



## About SpaceX

SpaceX was founded to revolutionize space technology towards making life multi-planetary. They are the world's leading provider of launch services and is proud to be the first private company to have delivered astronauts to and from the International Space Station (ISS), and the first and only company to complete an all-civilian crewed mission to orbit. SpaceX is deeply committed to maintaining a safe orbital environment, protecting human spaceflight, and ensuring the environment is kept sustainable for future missions.

[spacex.com](https://www.spacex.com)

## THE SPECS

Two structures 150' wide x 375' long  
One structure 150' wide x 345' long  
Special 2-container anchoring system  
Customized door size



I think fundamentally the future is vastly more exciting and interesting if we're a space faring civilization and a multi-planet species than if we're not. You want to be inspired by things. You want to wake up in the morning and think the future is going to be great. And that's what being a space faring civilization is all about."

– Elon Musk, September 2017



WATCH DRONE FLY OVER FOOTAGE  
OF THIS MANUFACTURING FACILITY:

[https://youtu.be/Z9\\_XOnDZBsQ](https://youtu.be/Z9_XOnDZBsQ)



## We Know Aerospace

There is a space race for the first company to design and manufacture a reusable rocket system. Speed of delivery and construction are paramount when it comes to aerospace manufacturing. Stay focused on your fast-moving core business while we provide:

- Rapid construction
- Design flexibility
- Performance & durability
- Lower overall costs

Our engineered structures can be erected from ground breaking to completion faster than other building solutions. With the design and speed your team needs, Sprung delivers the right cost-effective solution.



## The Sprung Difference

### ► SPRUNG CARES

Our teams work in some of the most vulnerable environments and harshest conditions. At Sprung, we are deeply committed to positively impacting the communities we serve and applying our innovative ideas to help solve complex problems.

### ► UNMATCHED REPUTATION

Invest in the most reliable, versatile and technically advanced structures globally: Sprung has erected 13,000 structures in more than 100 countries.

### ► ENGINEERED FOR EXTREME CLIMATES

Sprung structures are engineered to withstand extreme weather conditions.

### ► IMMEDIATE DELIVERY FROM INVENTORY

Complete projects in a much shorter time frame than conventional construction.

### ► CUSTOMIZABLE

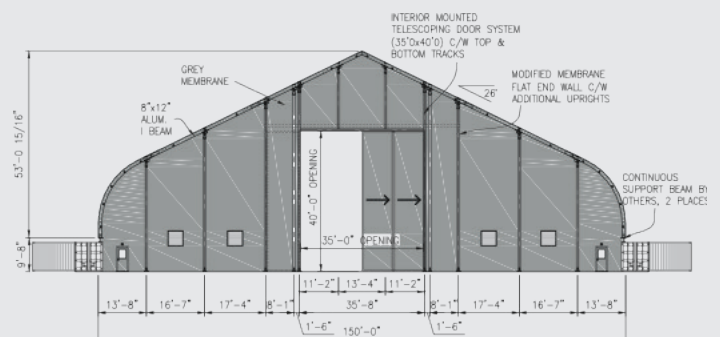
Customizations include performance insulation packages for superior indoor climate control, peak integrated daylight panels, doors and entryways for every application, and countless accessories.

### ► LIMITED FOUNDATION REQUIREMENTS

Save on foundation costs where appropriate soil conditions exist. Concrete foundations are not required for Sprung structures up to 160 ft. in width, saving time and cost for installation.

### ► COST-EFFECTIVE, COMPACT SHIPPING

Enjoy the convenience and cost savings of shipping up to 15,000 sq. ft. in a single, standard ISO container.





## About Sprung

Sprung meets rapid-response building needs in a wide range of leading businesses and organizations including the global armed forces, the natural resources industry, manufacturing, commercial gaming, education, disaster recovery, healthcare, aviation as well as sports and recreation. Sprung has designed and patented tensioned membrane technology that outperforms other building alternatives and offers a faster, better build. Year after year, we continue to engineer the most innovative, versatile and reliable building solutions.

**Sprung has designed and patented tensioned membrane technology that outperforms other building alternatives and offers a faster, better build.**

You can trust us to design and manufacture your facility with speed and quality that far exceeds your expectations. Our experience proves it; our history demands it. In business since 1887, Sprung has completed over 13,000 structures in more than 100 countries



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