



Gorbel® Gantry Crane Helps Paradigm Hyperloop Team Turn a Concept into a Reality

Industry:

Transportation

Product:

Hyperloop Pod

The Problem:

Pods are awkwardly shaped and weigh up to 2000 lbs. Safety of the Team is an issue

The Solution:

Gorbel® Aluminum Gantry Crane



Gorbel® has made our operating procedures much safer...

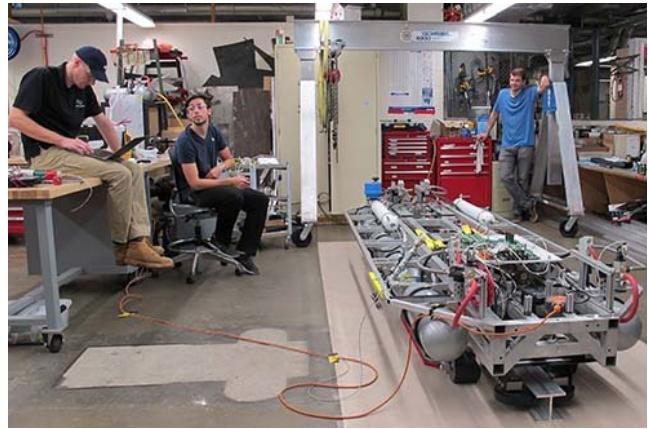
Paradigm Hyperloop is an international team of college students from Northeastern University and the Memorial University of Newfoundland. The team aims to prove the viability of air based levitation for use in high-speed applications by building a prototype Hyperloop Pod capable of reaching 200mph. The Hyperloop is a conceptual fifth mode of transportation popularized by Elon Musk in 2013. The Hyperloop consists of levitating train like vehicles, called pods, which travel through low-pressure vacuum tubes.



When combined, the low friction nature of the levitating pods and the low drag environment of the vacuum tube make for a high level of efficiency for transportation.

Hyperloop Pods are 18ft long, 4ft wide and weigh 2,000 lbs. The long term vision for the Hyperloop concept is to connect major urban areas that are between 400 and 500 miles apart.

Hyperloop systems would offer the transport of goods and cargo over that distance in as little as 30 minutes for a fraction of the cost of traditional air travel. The Paradigm Hyperloop team participates in a SpaceX Hyperloop Pod Competition every year. The SpaceX Hyperloop Pod Competition is an open challenge to student teams across the globe to design and build Hyperloop test vehicles.



Teams compete for the ultimate prize of performing a high speed run in the SpaceX HyperTube, in Hawthorne, California.

Prior to Paradigm Hyperloop's team receiving the Gorbel® 2-ton Gantry Crane, the team would use lifting equipment that was not suited for their application, such as engine hoists. Which put the safety of their product (pods) and their employees at a high risk of injury. Also, before the team had Gorbel®'s Gantry Crane, they would rent expensive gantry cranes. By gaining Gorbel®'s 2-ton Gantry Crane, the team has the ability to efficiently

perform at a superior level without fear of injury or fear of financial burden. Ben Lippolis, Business Lead Manager said, "In total, Gorbel® has made our operating procedures much safer and saved us a significant amount of money that would have otherwise been wasted on short term gantry rentals"..."We will be using the gantry for all pod lifting operations at our local workplace and when traveling to SpaceX for the competition. We look forward to using the Gantry for years to come and are proud to display Gorbel®'s logo on our pod's shell." Not only did Gorbel® provide Paradigm Hyperloop with a safe Gantry Crane to fulfill their lifting needs, but in the process Gorbel® helped the team cut cost. Gorbel® is thrilled to have contributed to the Paradigm Hyperloop concept of helping a team of innovative and creative students take drastic measures to create a new way to transport goods in urban areas throughout the country.