

# DALLAS COWBOYS TRAINING HQ

## Sports and Entertainment

### THE CHALLENGE

ENERVEX and our reps at AES and Texas Air Systems DFW teamed together at "The Star" — an impressive 91-acre campus that hosts the world training headquarters for the Dallas Cowboys in Frisco, TX.

The new construction job spans corporate offices and practice facilities. In addition The Star features the Ford Center—a state-of-the-art indoor football stadium designed to host a variety of events, an entertainment district lined with restaurants and shops, the Omni hotel, a medical center and more. The campus offers an experience for fans world-wide to take a look inside the entire operation of the Dallas Cowboys.

They needed an aesthetically pleasing chimney system and exhaust fan solution that would common vent all heating appliances. Efficiency was also very important, due to the sheer size of the operation: 91 acres of retail, restaurant and office space; 12,000-seat capacity; 30 meeting spaces; and a 60,000-square-foot gym.

### THE SOLUTION

ENERVEX provided The Star with a PowerStack® EPS1, [an air supply system](#) for the boilers and water heaters. For the boilers, we used a 30" EPS1 with two redundant TDF620 Inline [Power Venters](#) running in parallel and two SFTA18 [air supply fans](#).

For the water heaters, we provided a 20" EPS1 chimney system with one IPVB400 [Inline Power Venter](#) and one SFTA18 air supply fan.

Finally, we added a 12" EPS1 for the fireplace systems in the owner's suites

### JOB PROFILE

**Location:**

- Frisco, Texas

**Completion:**

- 2017

**Owner:**

- The Star, home of the Dallas Cowboys

**Contractor/Engineer:**

- Brandt Construction

**Engineer:**

- Henderson Engineering

**ENERVEX Reps:**

- Associated Equipment Sales (AES)
- Texas Air Systems DFW

### THE RESULT

The EPS chimney system allows the stadium to easily convey products of combustion from the condensing boilers under negative, positive or neutral pressure. The exhaust fans provided an easy-to-install, fully listed exhaust solution that can withstand temperatures as high as 1400°F (760°C) while offering a great deal of flexibility for any application.

ENERVEX's one-stop approach reduced risk and improved the overall success of the project because the engineer and contractor had instant access to knowledgeable support in a single phone call. For example, during the project, spare

#### APPLIANCES LOOK GREAT, RUN GREAT

- 3 chimney exhaust systems in 3 different sizes
- 6 exhaust fans for systems and intake air supply
- All appliances common vented to the outside
- Consistent, desired efficiency for boilers and water heaters

The Star training headquarters for the Dallas Cowboys



The water heater combustion SFTA air supply fan



ENERVEX's PowerStack air supply system

parts went missing. ENERVEX had everything in stock and was able to get replacements onsite very quickly, preventing a costly situation.

**ENERVEX products installed:**

- One 30" PowerStack® EPS1 [air supply system](#)
- Two TDF620 inline [Power Venters](#)
- Two SFTA18 [air supply fans](#)
- One 20" PowerStack EPS1 air supply system
- One IPVB400 [Inline Power Venter](#)
- One SFTA18 air supply fan
- One 12" PowerStack EPS1 for the fireplace systems

“Aesthetics and efficiency are always difficult with a new construction project of this size. But because all of our products were built to work together, the design integrated seamlessly. We were able to common vent all appliances and maintain the desired efficiency which they publish, in a shorter period of time, and at a lower total cost vs. jumping through hoops with multiple suppliers.”