

## Don Park USA & Action Electrical & Mechanical Contractors Team Up for a Job at the New Kia Plant in West Point, GA.



Several months back Don Park USA from Conley, Georgia and Action Electrical & Mechanical Contractors from Smyrna, Georgia teamed up to take on the fabrication and installation of duct work for the Paint Facility at the new Kia plant in West Point, Georgia. In less than 5 months 240,000 pounds of aluminized steel duct work and fittings were manufactured and delivered by Don Park USA and installed in the plant by Action Electric & Mechanical Contractors.

Before any duct could be made and hung, there was plenty of work that needed to be done. Countless hours were spent estimating and re-estimating. All in all, the final estimate was broken down into 68 separate quotes! Once the numbers were in, representatives of both Don Park USA and Action Electrical & Mechanical boarded a plane and headed north to Detroit Michigan. There they met with some of Kia's engineers and business managers. The group spent a day hashing out the details and establishing the parameters and requirements for the large facility to be built. After the meeting in Detroit,

a group of Kia engineers came to Georgia and visited Don Park USA's manufacturing facility. Translators were on site to help bridge the linguistic gap between the Korean and American companies. The goal of the visit was to ensure that Don Park USA possessed the capability to meet the stringent requirements of the job and to certify that a high level of quality control was being practiced. The engineers were impressed. The job was set to go.

The ductwork was fabricated from a special type of steel called Aluminized steel. Aluminized steel is steel that has both sides coated with an aluminum-silicon alloy. This coating creates a brand of steel that is highly effective at preventing corrosion as well as withstanding high heat. Though aluminized, the make up of iron and carbon remain in the steel, which retains its strength. This combination made aluminized steel a perfect fit for the project. All 240,000 pounds of the Aluminized steel that was sent to the Kia plant had to be cleaned and wrapped by Don Park USA. Large drums of denatured alcohol were shipped in

for cleaning the finished products. Denatured alcohol is a form of ethanol that can be used as a solvent. It is cheaper to produce than regular ethanol and the alcohol composition works well to easily remove excess dust and grime. Also, the denatured alcohol can be extinguished quite easily with water should it catch fire. The insides and outsides of every fitting and every piece of duct were washed from top to bottom with the denatured alcohol. Immediately after the cleaning, the material was wrapped tight with a 3 mm thick sticky blue wrap called DynoWrap. DynoWrap, supplied by Duro Dyne, is ideal for keeping out dust and dirt that can accumulate in ductwork while in transit or on a job site. Keeping out the debris ensures a high level of clean air quality when a system is turned on and put to use. Being a paint facility, this was very important to Kia. Once the duct was delivered to the Kia site, it was hung by Action Electrical & Mechanical Contractor's 17-man crew. The two companies created a shuttle style formula with their deliveries. Action Electrical & Mechanical



Contractors crew were able to pull their required material from a full 53' trailer that was left on site while back at Don Park USA, duct was being cleaned, wrapped and loaded on the waiting trailer. These trailers were swapped out between the two locations more than 31 times!

The pace of the job was exceptionally quick. In less than 5 months the ductwork at the Kia paint facility is now substantially complete. Don Park USA

and Action Electrical & Mechanical Contractors were able to tackle the task and meet Kia's demanding schedule and quality requirements. The new Kia plant in West Point, Georgia is expected to employ over 2,600 Georgia workers with additional 2,500 people working to supply the plant. Overall the Kia plant is a \$1.2 billion investment in Georgia. Both Don Park USA and Action Electrical & Mechanical Contractors are proud to be a part of that.



**DON PARK USA**