Greiner Aerospace is one of the leading manufacturers of foam seating for airlines around the globe. They provide foam seating with a variety of different shapes and sizes, and more importantly the application of fire-retardant fabric on the foam seating known as Fireblock. Special focus will be given to the procedure in which Fireblock is installed. This procedure has room for considerable overall improvement. This project outlines the steps taken in order to improve and standardize the process, which will help produce a higher quality product for the customer.

Greiner Aerospace currently faces a bottleneck in the Fireblock Application process. To remedy this, we reduced the cycle time by standardizing the process, lowering material cost, and reducing waste.

Multiple SPC tools were used in order to investigate potential problems in Fireblock process.

By applying the DMAIC principles, it was determined that there were various factors that led to the overall inefficiency of the Fireblocking process. Implementation of a new layout and a standardized procedure will result in decreased cycle time and effective utilization of the resources.

- Consider automation in the future
- Implement pre-cut Fireblock for different cushion models to reduce waste
- Pressure glue delivery rather than gravity fed
- Adapt new technologies as they emerge