

An Innovative Quick and Secured Storage System for First Responders

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First responders routinely face stressful situations that require them to act as fast as possible. In an emergency situation, a stationary law enforcement officer poses a risk to their own life, as well as the lives of others. Their response times are often significantly slower due to the difficulty of accessing the proper equipment in their vehicles. Our team of junior engineering students is providing a product that will aid police officers in organizing their gear in the rear of their vehicles to allow for quick and efficient access. We have interviewed a total of 38 individuals, including 25 law enforcement officers from nine different police departments across Indiana, Michigan, and Kentucky. We used the data from the interviews to develop a set of product requirements that has guided our design process. Our student-led team has been working diligently with our faculty and staff as well as an industry mentor to create the best possible product. We have created a storage system that is unique in providing officers with an innovative way to store their gear while providing fast, easy, and secured access.