**Project PAXO Summary**

Project PAXO aims to look at different ways to increase the pace and scale of ISO stuffing of munitions, increasing efficiency and reducing the labour intensity of the process.

UK Defence are looking for solutions that can optimise operational processes, allowing for an improvement in overall efficiency.

*Why does UK Defence need a solution for this problem:*

* **Rapid deployment of munitions**

Solutions that increase the pace and scale of ISO stuffing are vital as they will benefit Defence operations in times of crisis where delays can hinder missions and safety of personnel.

* **Scalability for large operations**
* **Supply chain efficiency**

Additionally, a solution that increases the scalability of ISO munition stuffing will improve operational efficiency and enable UK Defence’s readiness to meet demands for moving large a volume of munitions when required. This is key as UK Defence supply chains are often global.

* **Cost savings and resource**

Once the above is achieved this would result in Defence allocating their resources more effectively and reducing labour costs by requiring less people for a very manual process as well as cutting down on handling time.

*Possible solutions can be broken down into the following categories:*

* **Automation**
* **Robotics**
* **Collaborative Robots**
* **Advanced load packing software systems**
* **IoT & Data Analytics**