

Engineering Support for a Global Vendor of Security Screening Equipment and Technology



edvantis

Intro

Ongoing system maintenance, support, and post-deployment customization, expertly handled by Edvantis team for the past 7 years.

Challenge

Our client has established a reputation as a global vendor of screening equipment and technology solutions. The company places a strong emphasis on having differentiated technology — evolving along the threat landscape, industry regulations, and operational best practices.

To maintain the strong excellence bar, the client contracted Edvantis software engineers to maintain, support, and upgrade a software stack for their product line, featuring 5 different equipment models, designed for land border crossings and seaport terminals.

“Since 2014 we extend our capabilities relying on the Edvantis expertise to provide us with a proactive team of experts on multiple and complex technologies to rapidly answer our customer expectations.”

Director of Product & Technology



Enhanced Screening and Management Solutions Delivered for Ports and Border Security

Given that the company's main market sectors include aviation, ports, and border security among others, they were seeking a highly experienced team that could also adhere to strict security requirements, set forth by these industries.



Milestones of Our Successful Collaboration

In addition, most of the new product deployments required unique integrations with existing IT architecture, developed over the years. Edvantis team of 16 software developers and 4 QAs, contracted via a **Staff Augmentation model**, was able to:



Provide rapid response to the challenging integrational requirements

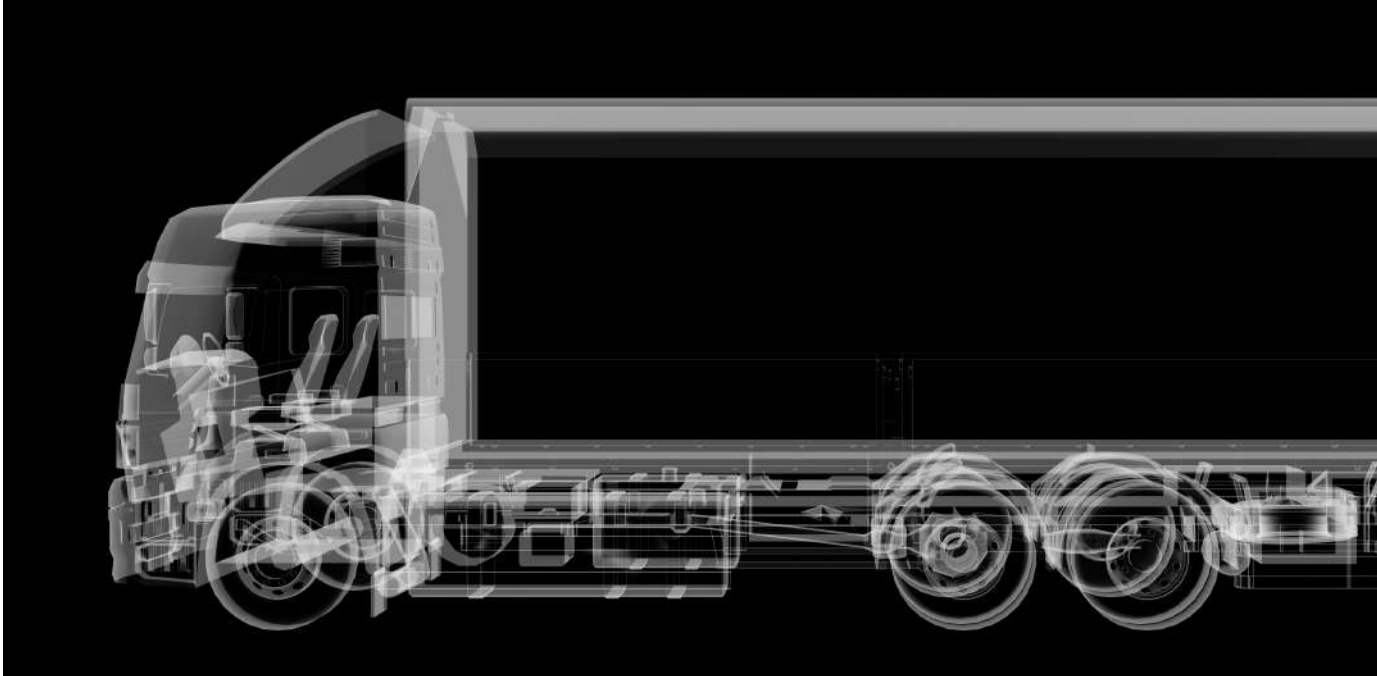


Upgrade core software features to newer tech versions (from .NET 4.5 to .NET 4.6.)



Migrate modules to **newer OS versions**





Solutions Delivered by Edvantis

During our ongoing collaboration, **we have jointly created a dedicated framework for rapid response** to the varying scope of product deployment requirements, as well as various integration scenarios, without performing major code updates.

Some of the core accomplishments during our 7+ years are as follows:



Implemented a GPU-based image processing library that increased the image manipulation speed by 200X, resulting in faster asset scans.

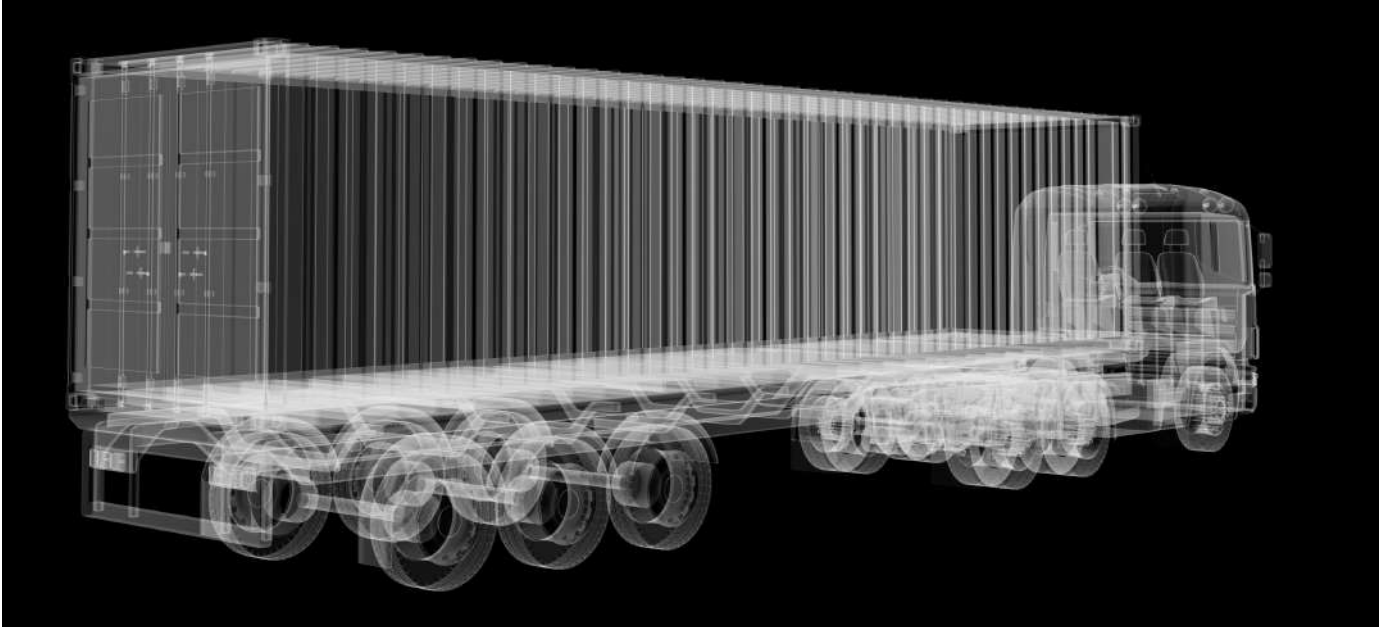


Performed phased legacy software components upgrades to ensure that all modules perform at the highest capacity.



Created a cloud-based interactive prototype of the subsequent software system iteration to future-proof the company's operations.





We Achieved **Great Results Together!**

The client has positively rated Edvantis expertise, availability, and adherence to deadlines. In addition to the overall ability to rapidly adapt and respond to ever-changing post-deployment integration requirements.

Edvantis' team developed a deep grasp of the customer's specifications for deploying new products, which, in turn, allowed them to unblock the main in-house team. We successfully took over all the work related to the implementation of integrational changes for the client's end-customers.

Together, we keep modernizing the client's software solutions and deliver new integrated offerings to the end-customers in the aviation, defense, and ports security industries

Technologies Used:

