

CASE STUDIES

REV: JULY 01, 2021

ZPRO DEVELOPS DATA INFRASTRUCTURE FOR DMV



Industry: Data Analytics

CLIENT BACKGROUND

More than any other invention, the automobile has had a significant impact on all aspects of life in California. Initially referred to as a “horseless carriage,” the automobile presented many challenges for the state. The first 50 years of automobile legislation were focused on creating laws, rules, and guidelines to help ensure that all Californians would be safe on the roads. DMV’s vision is to be a trusted leader in delivering innovative services. This vision is supported by its mission to proudly serve the public by licensing drivers, registering vehicles, securing identities, and regulating the motor vehicle industry.



PROJECT DESCRIPTION

ZPro Solutions team is developing a data infrastructure for DMV's Investigations Division to enhance the way it currently conducts business. In addition, we are providing direction and promoting the use of emergent technologies to analyze multiple data sets in the current environment, create models to seek fraudulent patterns, and establish business practices. The ZPro team is developing schemes for categorizing data information and creating a library catalog that will assist DMV in extracting and archiving data from internal and/or external sources. We Oversee data projects surrounding fraud, waste, and abuse for DMV customers and employees. The team established a new data forensics unit's vision, strategy, organizational structure, and operating model, drawing from industry best practices. Our Team Coordinates with internal and external sources to evaluate data product needs. Perform research to properly assess sources of information to determine possible fraud and provide guidance for future business practices while applying sampling techniques to determine and define ideal categories to be questioned effectively. We organize, store, and analyze DMV data while safeguarding the integrity of the DMV's security and confidentiality standards. ZPro is responsible for comparing and analyzing provided statistical information to identify patterns, relationships, and problems. Our team compares and analyzes statistical data to identify patterns, relationships, and issues, to make recommendations on creating divisional data units/personnel. We then train other team members to organize findings and read data collected properly.

PROJECT SCOPE

The California Department of Motor Vehicle, investigation division (INV) pulls data from different sources. This data needed to be evaluated and categorized to make recommendations that will assist in identifying tasks requiring to be performed interactively.

SERVICES PROVIDED

Zpro helped to create a data forensic unit that is Data centric. We developed the SOPs and processes. In addition, we established project/program management artifacts and processes to enable the INV division to take a more data-centric approach. The current/next phase includes helping the INV division work on different subject areas to create data models and establish a data warehouse to use various analytics tools such as Tableau, Snowflake, and Data Lakes.