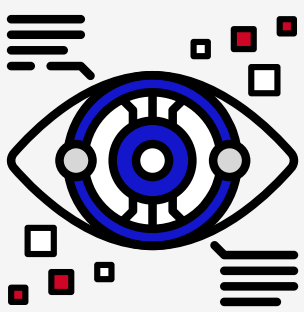# DFORCE
Public Safety Platform

Your Security Solutions, Redefined.

dforceplatform.com

Product Overview

As the type of threats communities face has become more complex, it is necessary for law enforcement agencies to ensure that they can keep track of safety threats and investigations. Today, all governments worldwide would like to achieve their strategy of " ensuring the safety and security of society". Therefore, dForce has been designed and developed as a complete Law Enforcement platform that addresses the requirements of any law enforcement and public safety agencies. We have considered all the standards and best practices of this domain in one platform aiming for innovation, optimization, and efficiency.

dForce is our comprehensive and integrated law enforcement platform, designed to assist in the successful and effective digital transformation journey of public safety agencies. It provides multiple features to support their activities.

dForce is maintenance-free, scalable, and uses cutting-edge public safety technology that law enforcement agencies need. It is built around multiple stand-alone applications that can be seamlessly integrated, internally and with many third-party systems, to create joint procedures. dForce aims to enhance and streamline government security services, and to raise customer satisfaction by delivering more innovative services.

Vision
To be the leading providers for reliable solutions of all Law Enforcement Sectors with upmost safety and smart tech-based practices.
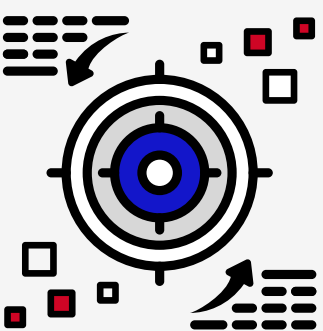
Mission
To provide simple, dynamic, and competitive law enforcement products that help in optimizing security methods and obtaining the best results with the least amount of effort and resources.

Business Value

dForce empowers you to enhance your agency's outcome to be more efficient and rewarding.

1. Increase the Efficiency of the Police Services
- Advanced interactive functions and time-saving features.
- Enhanced indicators of improved police and judicial performance.

2. Enhance the Digital Transformation Journey
- Automated law enforcement services in one platform.
- Reduced data duplication.

3. Optimize Cooperation and Privacy
- Unified communication channels.
- Secured exchange of information with strict measures.

4. Get Optimal Resource Utilization
- Better organizational resources.
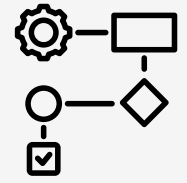- Proper delegation of roles and access permissions levels.

5. Raise the User's Satisfaction Rates
- Flexible application submission process.
- Reduced time, effort, and distance.

Unique Selling Points

No Code Platform with Dynamic Workflow Management

To ensure seamless execution of the required tasks with the least amount of effort needed. Thus, saving organizations and users of the system time and effort to manage tasks and achieve them with higher effectiveness levels.

Seamless Integration Capabilities
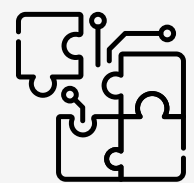
The modules can be integrated easily with third-party systems which makes them a scalable solution that can be adopted anywhere with no restrictions limiting its performance or capabilities.

AI-Powered Product
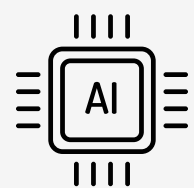
By utilizing machine learning, previous data analysis, hot spots analysis, and various AI-powered solutions law enforcement agencies will manage to predict crimes before they happen, detect potential criminals, and locate places with the highest crime rate among other crime forecasting features to make better risk assessment decisions.

Robust Security and Privacy

By using up-to-date technologies that rely on IOT, AI, and encrypted data protocols to ensure all files and data are safe from any violations or breach attempts. This ensures the safety and immediate detection of any potential threat before it happens.
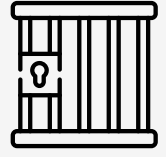
Improved Citizen Management

By digitalizing all records, files, documents, and data new or old. Hence, this allows law enforcement officials to have better knowledge about citizens and provides them with fast look-up options to retrieve any citizen's data effortlessly.

Unique Selling Points
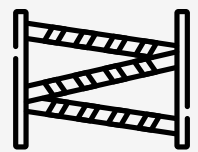
Streamlined Jail Management

Via smart features that enable law enforcement agencies to manage the prisoner's data, track their prison transfer history, and analyze and manage prison cells based on the data gathered such as the number of cells, prisoners, and others to manage facilities better.

Streamlined Crime Scene Management

That allows secure management of crime scene-related information, including procedures applied, supplies needed, evidence collected, actions performed on obtained evidence, and more. Resulting in better monitoring of crime scene investigation, distribution of equipment, and delegated tasks.

Customizable Licensing and Permitting

Easy customization options that enable system users to tailor license and permit conditions and rules as needed, regardless of their type. As it adopts digital alternatives capable of replacing manual procedures and achieving accurate results.

ISO-Compliant

The dForce product is ISO compliant which means it meets the international standards set for quality, safety, and performance required for the product to be trusted for use. This indicates the high tactics and level of work enforced by our team to produce a modular result.

Target Clients

We have designed dForce to cater to the needs of the following sectors: Investigation Agencies, Police Departments, Punitive and Correctional Institutions, Drug and Addiction Rehabilitation Facilities , Forensic laboratories and offices, Public Safety Agencies, Anti-Money Laundering Departments, and Licensing Authorities.
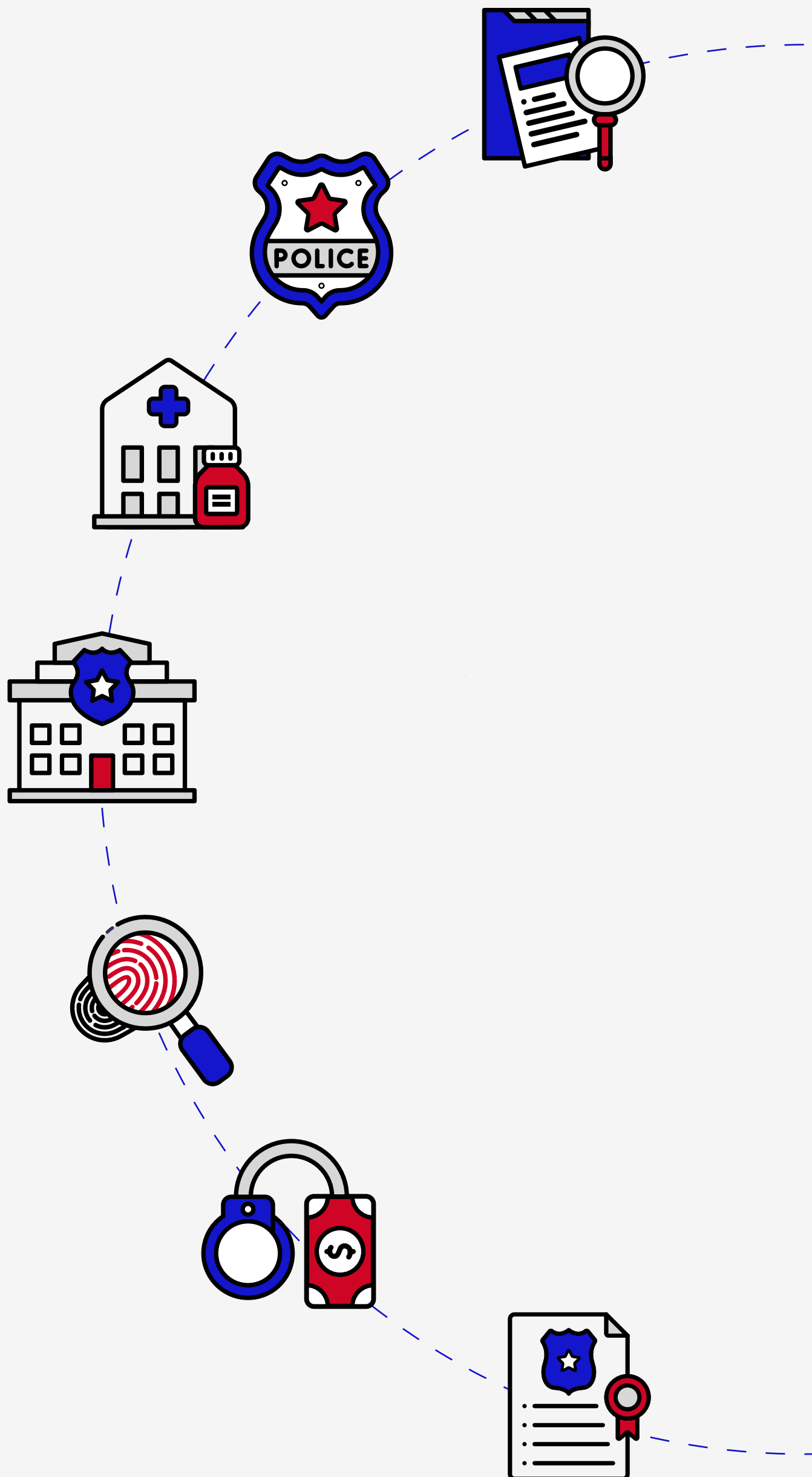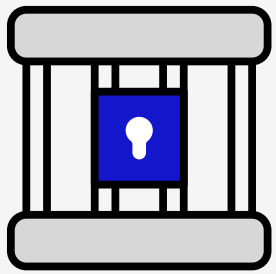
Product Modules
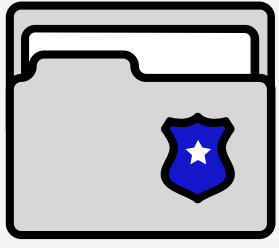
Record Management System RMS:

A comprehensive system that aims to centralize all operations around the main indices such as persons, vehicles, establishments, documents, and items. It also facilitates defining criminal files and permits set-up and changing its internal and external processes like records, transactions, sequences, and flows.

Jail Management System JMS:

A comprehensively integrated system that manages the full inmate process lifecycle via automated features. It maintains records for arrested, convicted, and deported inmates, and allows access to their transaction's history. It's designed to manage the growing prison populations, centralize inmate data, simplify data organization, and reduce errors. It tracks the inmate's location across multiple facilities and facilitates the transfer, extension, and release of deported inmates.

## Evidence Management System & Crime scene investigation CSI:

An advanced integrated system that securely manages and tracks the workflow of the cases and requests of the crime scenes from different areas. Starting with managing the crime scene procedures, such as supplying the inspection team with the required equipment, assigning the inspection team, collecting the evidence, storing it, and ending with performing different activities on the evidence to obtain the final reports.

Product Modules

Licenses – Permits and certificates (LPCS):

A web-based system designed to assist law enforcement and public security agencies in managing all aspects of issuing, tracking, and renewing all types of licenses, permits, and certificates. This system works to eliminate manual operations and enables automated and dynamic workflows, to achieve operations efficiency.
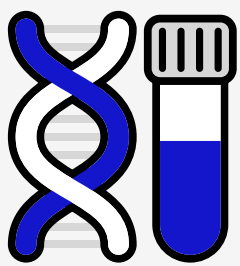
Forensic Lab Management System (FLMS):

A solution developed and designed to support modern laboratory operations. It automates and enables an enhanced examination approach that follows ISO standards. It involves digital data that scales up existing resources and processes. The solution ensures a faster analysis and examination of electronic evidence-related activities. It also reduces the operational cost of the work.
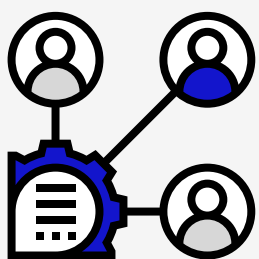
Public Service Module

The Public Service Module is an extensive module developed to act as a medium and a connecting channel that brings together internal authorities and external communities. Who are considered to be the public users of the Public Module platform. The platform supports a web portal and a mobile application to allow users to file complaints, submit queries, reports, and more easily and anonymously. Supporting authorities to perform tasks and enforce rules efficiently. Moreover, the module has been developed to serve authorities with advanced backend features allowing them to have a detailed follow-up on application requests from initiation to approval by the final authorized destination. This results in a dynamic solution that can be accessed by users at any level, whether they are governments, institutions, or individuals.

Product Features

## Record Management System RMS:

- Customizes and extends master indices.
- Provides dynamic law enforcement files and records management.
- Handles the access levels to view and manage any law enforcement file based on the org. unit hierarchy, file sensitivity and more.
- Supports with dynamic workflows and flexible search tools for information.
- Allows users to file, record, take actions and delegate via various functionalities.
- Configures alerts and notifications.
- Employs latest technologies and microservice architecture to keep the application within the minimum impact.
- Secures the data by controlling the actions and the views of any record inside the system.
- Provides configurable record sequence management.

Product Features

Jail Management System JMS

- Simplifies data organization at punitive facilities of all sizes.
- Reduces inaccuracies and inconsistencies.
- Tracks inmate locations across multiple facilities, and tracks inmate's records like visits and diseases.
- Retains individuals arrested, convicted, and deported inmates' transactions such as reception, transfer, extension, and release.
- Provides configurable Building management.
- Gives easy view and access for the inmate records such as medical records.
- Manages visits, cells distribution, and personal belongings.
- Integrates with the criminal records system to manage inmate cases, court sessions, circulars, and other criminal files.
- Supports electronic requests for inmates' relatives: visits, deposits, and certificates.
- Manages rehabilitation, social, psychological care.
- Manages inmate rewards, fines, and breaks.
- Manages court sessions and inmate's behavior.
- Declares death cases.
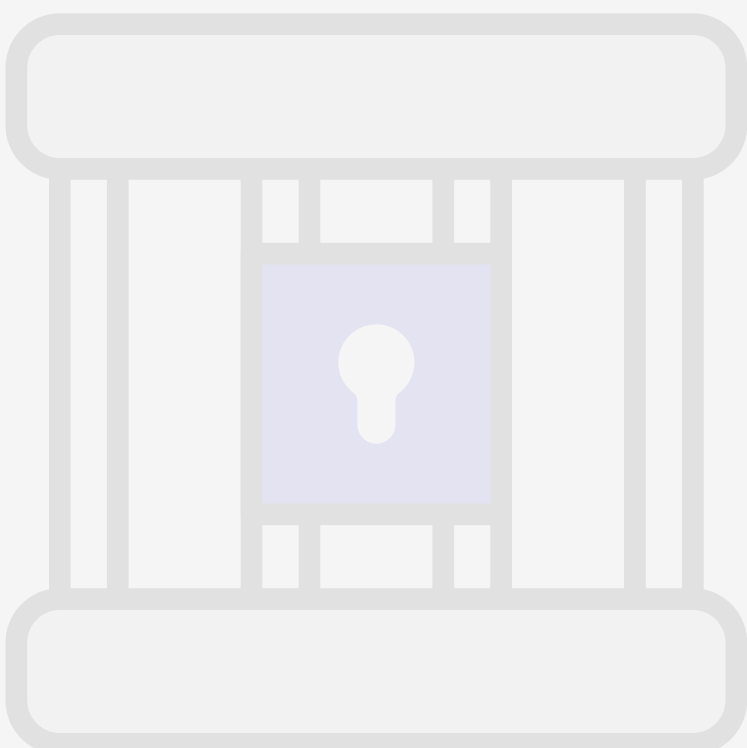
Product Features

Evidence Management System & Crime scene investigation CSI

- Supports multi-Org.
- Manages crime scene files and visits.
- Manages the inspection team, shift management and specialties.
- Manges and tracks the equipment used by the team.
- Manages inventory management for evidence and equipment.
- Able to draw the crime scene.
- Handles unlimited amount of the multimedia that related to the files.
- Manages and keep track on the evidence chain of custody.
- Handles the examinations of the evidence.
- Provides statistics for all open cases, statistics for employee performance at crime scenes and for evidence.
- Fully manages the seizure and allows identifying the responsible team, vehicles, and equipment.
- Selects the location, by considering risk management analysis to track collected evidence throughout the inventory system to provide a full chain of custody.
- Considers evidence collection by providing accessibility of it through Tablets, PCs, and Laptops.

Product Features

## Licenses – Permits and certificates (LPCS)

- Dynamically defining Licenses, Permits and Certificates processes flow, by setting up its approval steps, approvers (groups or individuals), internal business rules and results.
- Provides different access channels for the system like Mobile App and Public Web Portals.
- Manages and Tracks Licenses' actions like issuance, modification, renewal, and cancellation.
- Organizes sites entering permits such as Airports, Ports, and confidential areas.
- Enables establishments and Individuals to enquire certificates directed to any external or internal entities.
- Manages SMS Notifications for concerned parties.
- Provides predefined and Dynamic dashboards, reports, statistics and KPIs.

Product Features

Forensic Lab Management System

- Manages examination requests and assign examiners tasks based on skills.
- Generates quality plans according to ISO standards.
- Stores and tracks received samples.
- Defines examination equipment and validates qualifications before use.
- Maintains a full chain of custody.
- Traces all examinations for a specific equipment.
- Receives examination requests from the customers.
- Manages and controls all samples movements between LIMS employees.
- Sends the results and the related Items to customer.
- Logs all changes before and after the audit notes.
- Provides workflow for the examination process.
- Manages inventories for all samples (issuing, storing).
- Manages inventory for all equipment/supplements used in the examinations.
- Integrates with examinations hardware once the SDK provided.
- Defines the examinations, sections, and the examination per section.
- Defines clear SLA for each examination.
- Provides activity management per examination.
- Gives clear process for peer review.
- Provides clear process for quality management and audit.
- Manges the users and privileges roles placed for each of them.
- Shows reports, statistics, and dashboards of employees' performance.
- Facilitates communication and visitor logs.
- Provides delivery notes with results.
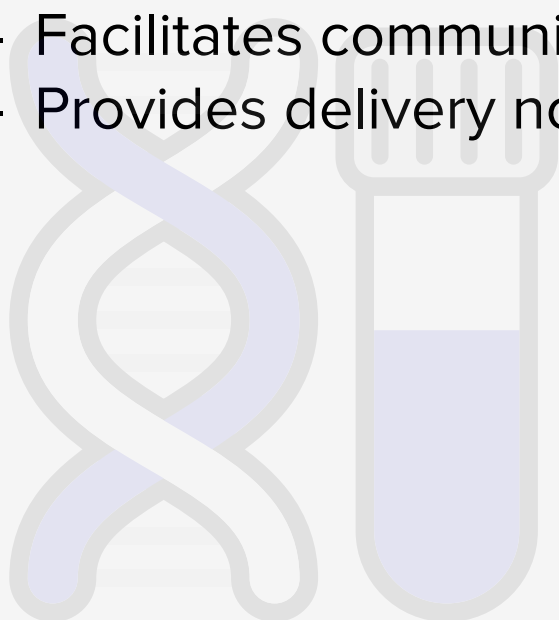
Product Features

## Public Service Features

- Individual Portal

The individual portal is a dedicated portal with a designated goal that enables citizens and individuals inside the communities to play a significant role in contributing to society's overall protection. Through this portal, individuals can perform various actions and get services or submitted applications processed faster. Therefore, creating a customized experience for users that replaces traditional methods needed to file a report or get a permit, license, and much more with complete ease.

- Establishment Portal

Enforcing the law is not an exclusive duty of law enforcement agencies alone. Today even companies are required to find ways to maintain safety and security for themselves and all workers inside the organization. Thus, the establishment portal has been designed to ease the execution of law-related tasks such as employee clearance, reporting and responding to emergencies, protecting workers' rights, preventing crimes and reporting them in real-time, conducting security assessments of the company's resources and employees among others which in turn keeps everyone protected and following the law as needed.

- Mobile App

The Mobile App feature allows public users to connect easily with the authorities. Hence, boosting satisfaction rates through a user-friendly interface through which users can perform various functions, and navigate the platform with ease. The Mobile App feature allows anyone to submit a request or report violations and crimes on the go with no geo-restrictions hindering the process. Hence, allowing authorities to enforce the law at the right time.
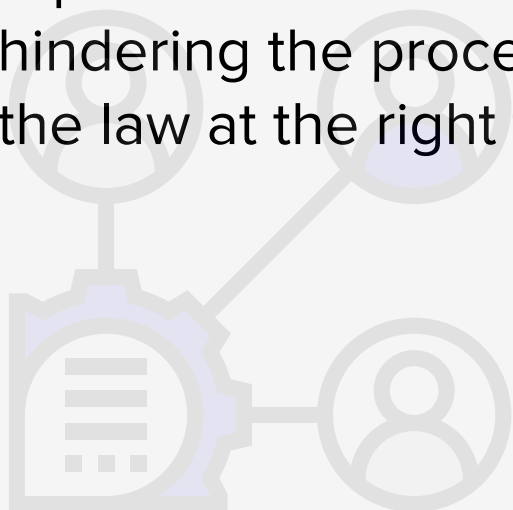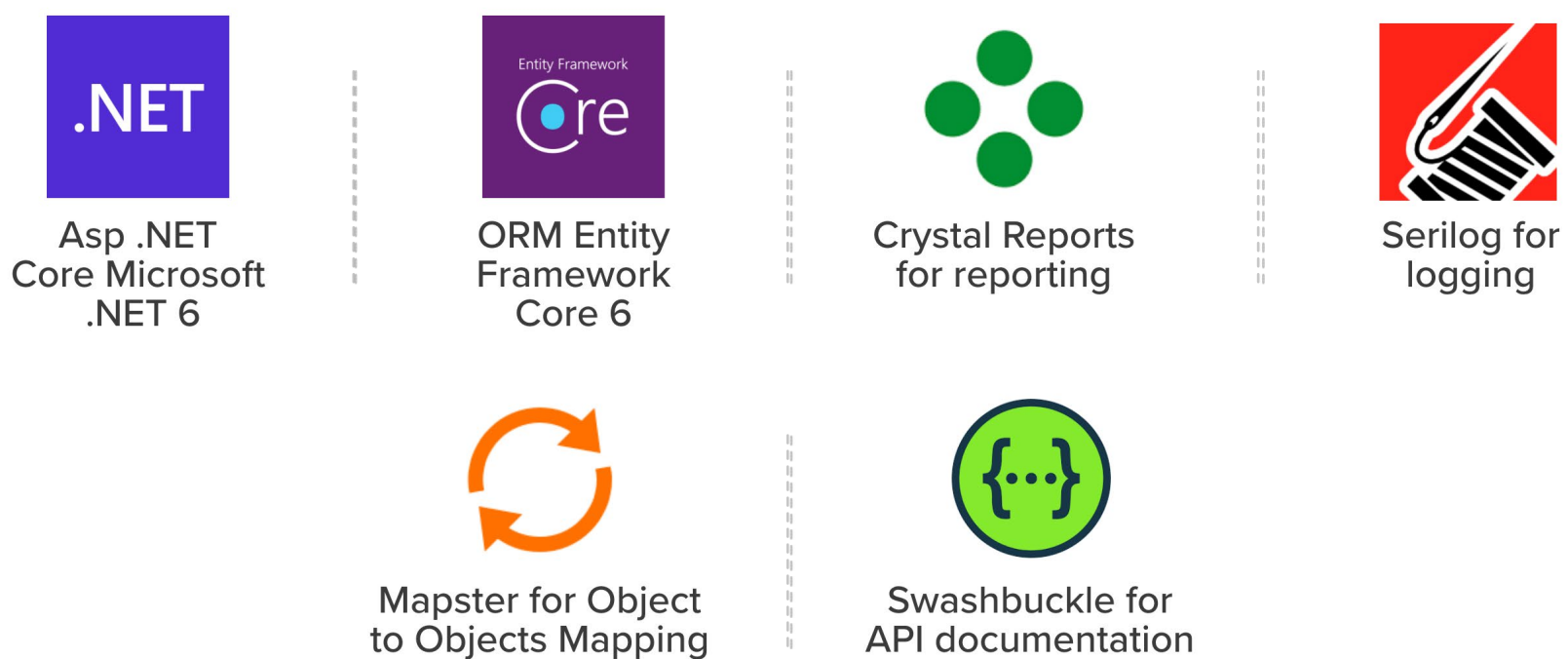
Technologies Used

dForce's expert developers conducted a thorough search and selection of technologies that serve applications based on full compliance between the application type and languages used to accomplish it.

For frontend applications, the below technologies are used:

Single Page Application Pattern

Angular 13

HTML and CSS

Typescript

Bootstrap 4

For backend applications, the below technologies are used:

Asp .NET Core Microsoft .NET 6

ORM Entity Framework Core 6

Crystal Reports for reporting

Serilog for logging

Mapster for Object to Objects Mapping

Swashbuckle for API documentation

For the Database side, the below technologies are used:

PostgreSQL

mongoDB

For Message Queuing and data streaming, the below technologies are used:

APACHE kafka

RabbitMQ

Azure Service Bus
Managing Connection Lifetime

Competitive Advantage

Our solutions are differentiated by innovative features and high-quality services. We commit ourselves to an exemplary user-centric approach to ensure stellar performance results are provided to our clients. With dForce, we can create scalable, time and cost-saving systems that ensure higher value for our clients, and this sets us apart from our competitors.
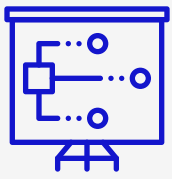
All-rounded Solutions

Provide various modules with versatile features to serve specific functions according to users' needs. Enable using the modules separately or interface them with other tailored to each agency's requirements.

Enhanced Digital Experience

Utilize AI solutions to predict crimes and crime patterns.

For Any Size of Business

Provide fully configurable RMS Modules for all Law Enforcement sectors.

Trusted Resources

Provide solutions built with extensive knowledge of the law enforcement field. High-security measures were implemented to protect all data being used and shared.

Product Value Proposition

We believe at dForce that " While the value chain focuses internally on operations, the value proposition serves as a strategy that looks outward toward clients''.
Today, we have developed dForce and have committed to its value proposition to address our client's challenges and demonstrate our ability to achieve their goals and solve their problems. We also engage in accelerating digital transformation and improving their business process performance.
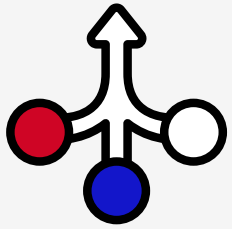
Versatile
Provide a fully configurable law enforcement RMS that can fit any agency and any public safety file.
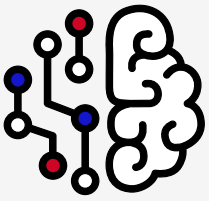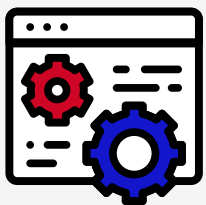
AI-Powered Solutions
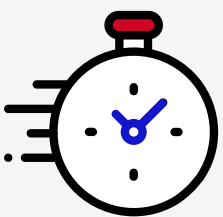Utilize AI for future prediction of crimes and crime patterns.

Trusted
Utilize our extensive experience in building law enforcement solutions.
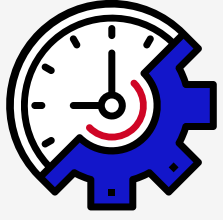
Convenient User Experience
Provide easy access and a centralized view of all law enforcement records around the master indices.

Timesaving
Write once and reuse more, by reducing data redundancy and duplication.
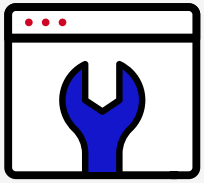
Product Value Proposition

Efficient

Spend less data entry time and get more results.

Secured

Provide restricted access levels, auditing and logging of activities, and permission control of all actions in the system.

Maintenance Free

Allow the client to modify the business updates independently, thus reducing maintenance time.

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