

DYTASK[©]

INTELLIGENT POLICING PLATFORM

THE MODULAR WAY TO MANAGE POLICING



SERVICE DEFINITION

MAY 2022

The DyTASK[®] evidence based policing platform is a comprehensive ecosystem comprising a suite of innovative modules able to interact with each other to cover a large scope of policing requirements.



Together these modules enable police forces and other emergency services to:

- Analyse disparate data sources in a single solution to extract intelligence;
- Accurately analyse, understand and forecast demand;
- Produce intelligent workforce and resource plans with optimised patrol routes;
- Manage significant public events and situations issued for example from climate change
- Dynamically task and brief officers through remote or mobile capability;
- Report and monitor through business intelligence dashboards
- Locate resources and assets in three dimensions with 3D mapping and buildings with floor plans

DyTASK[®] delivers a complete business and technical solution allowing forces to use an evidence-based approach to manage risks, understand demand and proactively dispatch officers to the places where they can make the most difference in the most proactive and efficient way.

DyTASK's foundation is a corporate Geographic Information System (GIS) that provides both traditional data analytics, predictive and dynamic analytics to support real time tasking and briefing of officers using location-based services and metrics-based targets to trigger the right information to be delivered to the right people at the right time and to the right place on a mobile device.

To meet specific requirements, we have created packaged solutions made of specific modules that can be complemented with any additional module from the DyTASK ecosystem.

PACKAGED SOLUTIONS

CORPORATE GIS

Fully integrated GIS system supports Ordnance Survey maps and AddressBase Premium gazetteer data plus many other datasets to enable analytical processing.

Interfaces with or replaces existing analytical or Command and Control GIS systems Integrates with external systems, e.g. Crime Intelligence / Record Management System (RMS).

OpenGIS compliant supporting worldwide mapping and comprehensive address searching.

Includes annotation and data management tools to produce exportable and printable exhibits.

Also includes a routing engine compatible with UK data.

CORPORATE GAZETTEER

Provides worldwide cover, including support for Ordnance Survey AddressBase Premium data, OS MasterMap and other proprietary and open source datasets.

API available with web services enabling third-party integration

Properties are referenced by a Unique Property Reference Number UPRN and where multiple datasets have been combined an additional sectoring reference is added to provide a UPRN across multiple countries.

A fully customisable solution, open to integration with other solutions and data to deliver a real seamless gazetteer experience.

DATA ANALYTICS

GIS and analytics combine to provide the power of business intelligence. Create exhibits, reports and dynamic dashboards from internal and external data from interfaced third party systems.

Also includes the Investigate Module to enable the analysis of data pulled from the RMS, plus visual representation of case and person records – speeds up locating individuals, persons of interest and missing persons.

DEMAND MANAGEMENT

Enables modelling of complex ecosystems to produce graphical representations of anticipated demand for a defined period in time.

Interrogable, time-based results – what, where and why.

Model different policing responses and strategies to gauge the likely effect on activity and crime.

Combine with the patrol management to deliver a full resource management solution for non-emergency response.

OpenAPIs to third-party systems.

PATROL MANAGEMENT

Make the best use of resources and time, with dynamic optimised patrols and routing for officers. Using analysis and task management, create optimised routing to ensure officers are at the right place at the right time, to meet the expected demand.

Combine hotspots, visibility and prevention patrols with meeting the demands of routine and non-urgent tasks for the most efficient use of resources.

Integrated mobile app, officers receive patrol tasks in line with their actual location, updated according to expected need, as well as emerging and evolving events and activities.

PUBLIC ORDER AND EVENT RESPONSE MANAGEMENT

Manage the policing of large planned and emerging events, e.g. football matches, concerts, festivals, demonstrations, flood or industrial events, etc.

- Simulate expected evolution of events
- Create resourcing requirements templates
- Alerting of officers to their deployment/rostering (inc to mobile devices)
- Monitoring of officer locations during the event
- Reallocation of officers in live time

EMERGENCY PLANNING RESPONSE

Analyse potential situations and emergencies, e.g. large industrial incidents, floods and other natural events and plan responses in advance.

Create outdoors and indoors plans with the power of three-dimensional mapping for dynamic and detailed visualisation.

- Simulate expected evolution of events
- Create resourcing requirement plans
- Alert officers to their deployment (inc to mobile devices)
- Monitor officer locations during the event
- Interface with specific applications through OpenAPIs for joint response

DYTASK INTELLIGENT POLICING - FULL PLATFORM

DyTASK intelligent policing combines the full suite of packages and available modules for a powerful platform to assist in the effective, holistic management of non-emergency policing.

From a corporate GIS to an advanced analytical platform to provide information, analysis, modelling and projections to operational officers and senior decision makers, this is a full demand and resource management solution capable of dealing with operational policing as well as large planned and emerging events in a single, cohesive system that makes full use of all data sources available to the modern police force.

ADDITIONAL MODULES

Flexibility is core to the platform, therefore any of the individual modules below can be added to any of the packages, or combined together to deliver a specific, more tailored functionality.

- Mapping Service
- Gazetteer
- Analytics
- Telecom Forensics
- Modeller
- Patrol Optimiser
- Investigate
- Investigate
- Incident Command
- 3D and Indoor Location
- Natural Disaster Management
- Business Intelligence
- Reporting
- Mobile Application

GETTING STARTED

Onboarding is quick and easy – a few days to set up your force or organisation and configure the screens to meet your needs, and you can be in and using the system in no time. We will work with your teams to deliver any training needed so you can start using the Solution straight away. We also offer support to migrate any existing data into the system, subject to format and compatibility.

Innaxys works directly with the two largest police forces delivering firearms training for UK Policing, as well as with fire services and other major UK Government organisations, so we have a wealth of experience and understanding of implementing digital solutions in these sectors.

ON-PREMISE OPTIONS AVAILABLE

Not ready to go fully SaaS? Ask us about locally hosted, on-premise options for our DyTASK® Platform.

SECURE BY DESIGN

UK based, fully accredited data centre, full encryption, penetration tested

Compliance with ISO27001 and Cyber Essentials, operating to Official Standard

Secure, two-factor authentication, system & audit logging, role-based access controls

All staff fully vetted

OUR VISION

WE BRING INNOVATION TO POLICING THROUGH SOLUTIONS CRAFTED FROM DECADES OF INDUSTRY EXPERIENCE

Founded in 2011, Innaxys creates and delivers cutting edge training and asset management software solutions to emergency services and public sector organisations both in the UK and Europe. We harness technology, innovation and forward thinking to design solutions that help our clients to evolve and meet the needs of modern practices, achieve greater efficiencies, minimise paperwork and duplication, improve productivity, and reduce wasted resources.

Each member of our carefully selected development team holds a science related degree, complemented by computer engineering expertise, experience and training. Our engineers are directly employed, and we work closely together from our offices in the heart of Derbyshire. This enables us collectively to bring a dynamic and accomplished approach to software development, driven by a firm focus on the client.

We believe that technology should be a vehicle to deliver better business processes, and that close communication and partnership with the customer is vital to provide them with the most effective solution.

We practice Agile project management methodology, involving our clients at every step of the journey, whether that be for simple configuration of existing Solutions to meet your ways of working, or a full development project to introduce new functionality. This ensures a collaborative approach to each and every project, builds an environment of trust and transparency, and results in exceptional value for money and positive change for all our clients.

CONTACT US TODAY FOR A NO-OBLIGATION DEMONSTRATION

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