ARQUEBUS™

FIRECYCLE

FIREARM LIFE CYCLE TRACKING PLATFORM

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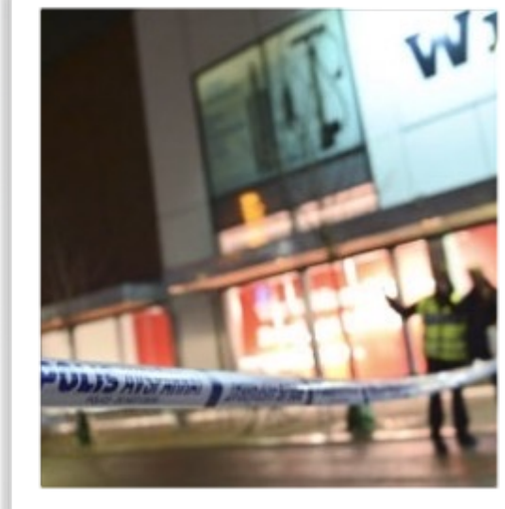
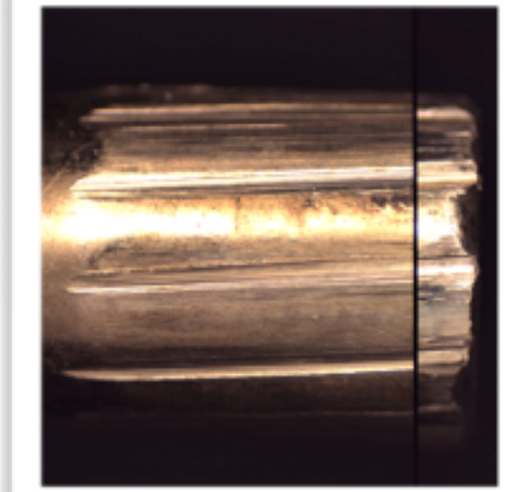
Company Background

- Established in 2012 to support law enforcement organisations increase their capabilities and processes;
- Primarily focused on the development and transfer of knowledge and forensic services to support the fight against SALW crime and terrorism;
- Utilising the experience gained in establishing the UK's national provision in relation to gun crime;
- Skilled in a variety of areas within law enforcement operations;
- Highly focused knowledge within criminal investigations, intelligence, forensic ballistics and legislative change;
- Working to support law enforcement organisations across the globe in a number of subject areas including consultancy, training and ballistics forensic services;
- Firearms Registration Software and Implementation Programs
- World's only private user of IBIS;
- Delivered support in over 50 countries to date
- UK Department for International Trade - Award Winner 2018.





Company Background

2006 — NABIS Inception (Paul James programme manager)

2008 — Paul James appointed Unit Head at NABIS

2011 — Launch of Arquebus

2012 — Project EFFECT – FFP's should be established in all EU countries

2013

2014

2015 — UNDP Eastern Europe Scoping Missions on Firearms Registries

2016

2017 — Arquebus begins Firearms Registry Implementation Programs

2018 — Arquebus builds Firearms Focal Points (UNDP Project)

2019 — EU establishes FFP as leading solution for gun crime data management

2020 — Firecycle Acquisition

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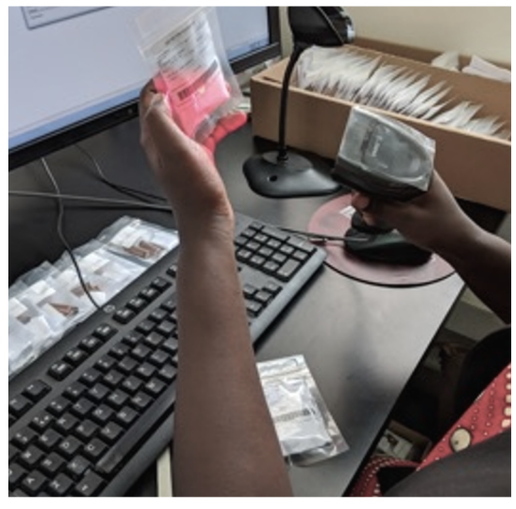

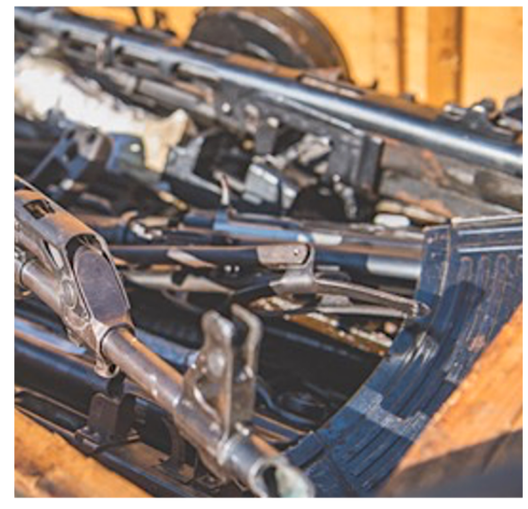

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What is FireCycle?

FireCycle is a secure, web-based, firearms data management solution that allows police forces and government agencies to track the life of a firearm from its manufacture to its eventual destruction.

FireCycle can also operate in conjunction with a national legal test-fire programme to manage civilian and service firearms effectively - capturing and reporting essential data that can be accessed in quick-time.

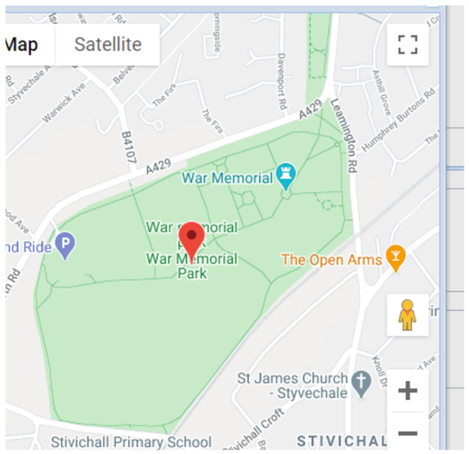
Acquired by Arquebus in 2020 from Forensic Technology, following highly successful deployments implemented by Arquebus.

Undergoing extensive upgrades and improvements.

Where to use FireCycle

FireCycle can be utilised in three distinct areas of firearms lifecycle management, namely:

- ➔ The registration of civilian firearms.
- ➔ The life cycle management of service firearm inventories (e.g. police forces, armed forces, security companies).
- ➔ The management of lost and stolen firearms.



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Firecycle Features

- → Creates a nationwide firearms registry, which compliments test-fire programs. Designed to work in conjunction with IBIS;
- → Outcome: Detect registered firearms used in criminality

- → Data entry supported by inbuilt **Firearms Reference Table** (FRT) library, a digital database of over 21,000 firearm makes and models;
- → Outcome: High quality, internationally standardised data suitable for sharing internationally in Firearms Tracing

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- → Key Searchable Fields for individuals or organisations owning firearms. Serial numbers, addresses, firearm types, as well as customisable custom fields;
- → Outcome: Find records quickly for intelligence building or owners of recovered firearms

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- → Maintain a history of transactions for each firearm – whatever its status (legally owned or lost / stolen or seized);
- → Outcome: Comprehensive registration system for all legally held firearms. Know who, what, where and when a firearm changed status

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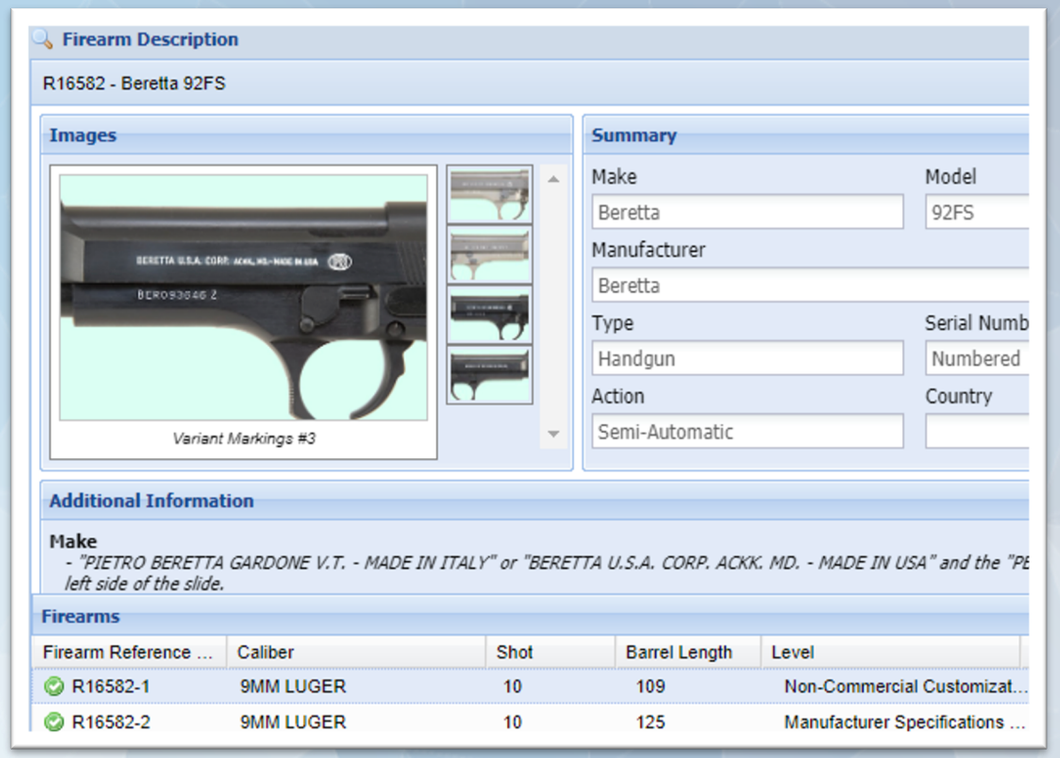
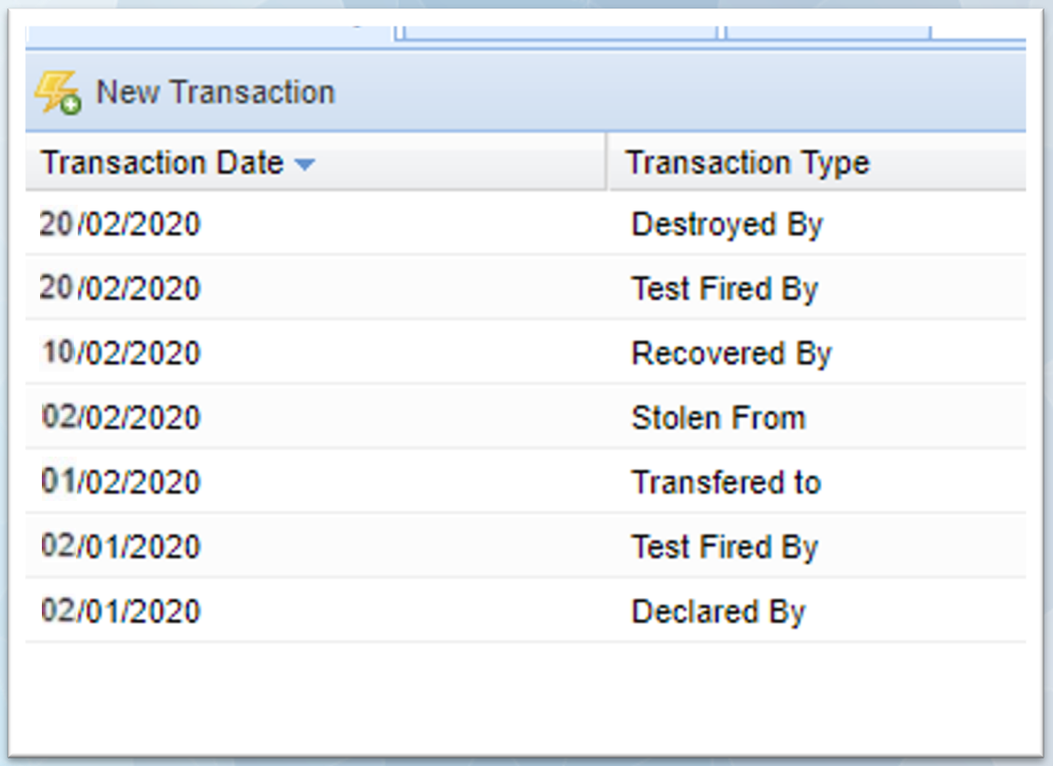
- → Use geo-mapping to display events, entities, and weapons (lost, stolen, and licensed);
- → Outcome: Build an intelligence picture of where firearms are in real-time to build safer societies





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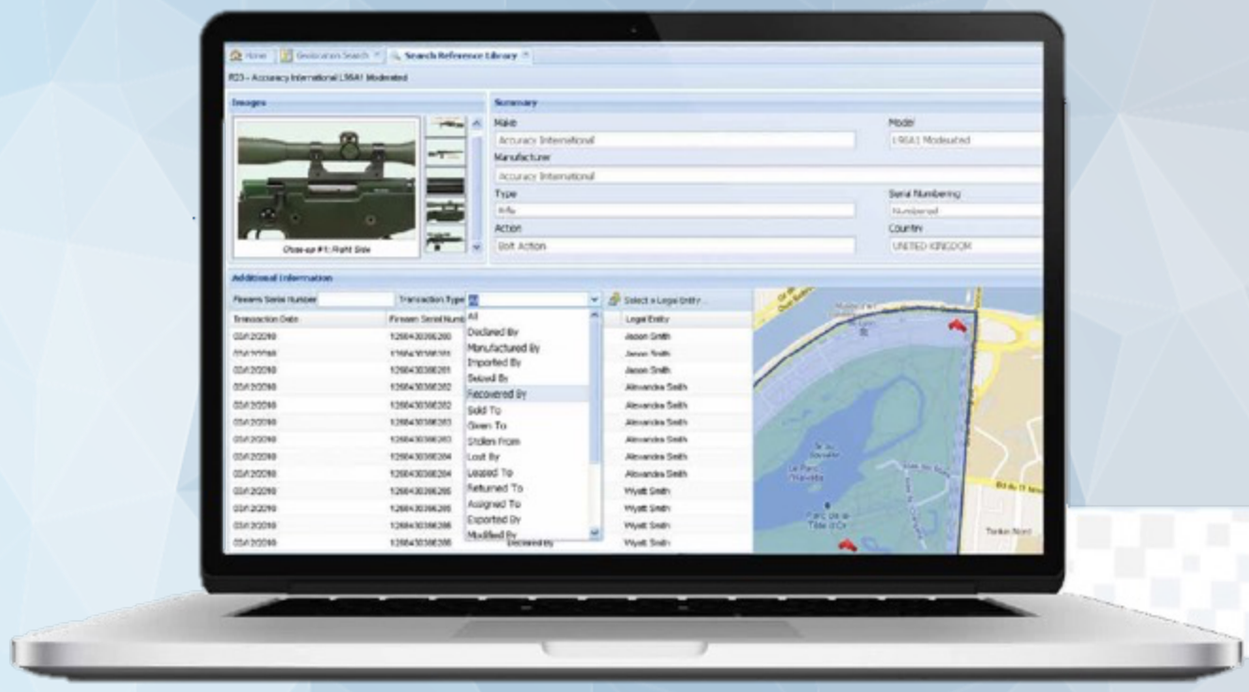
Technical Features

Resides on a centralised host server, information is entered and accessed via a secure web browser. Data either resides on the organisation's host server (hosted solution) or in the cloud (cloud solution).

- ➔ Distributed as a virtual appliance containing a web server, an application server, a database, and a Microsoft® Windows® server that is easy to deploy and maintain by local IT departments;
- ➔ Available as a hosted or cloud-based solution;
- ➔ Manage user accounts via administrator and active directory integration;
- ➔ Compatible with the majority of modern web browsers;
- ➔ Ad hoc queries for pattern and trend analysis;
- ➔ Batch data entry and processing;
- ➔ Security features and generated audit trails;
- ➔ Supports up to 999 simultaneous users.



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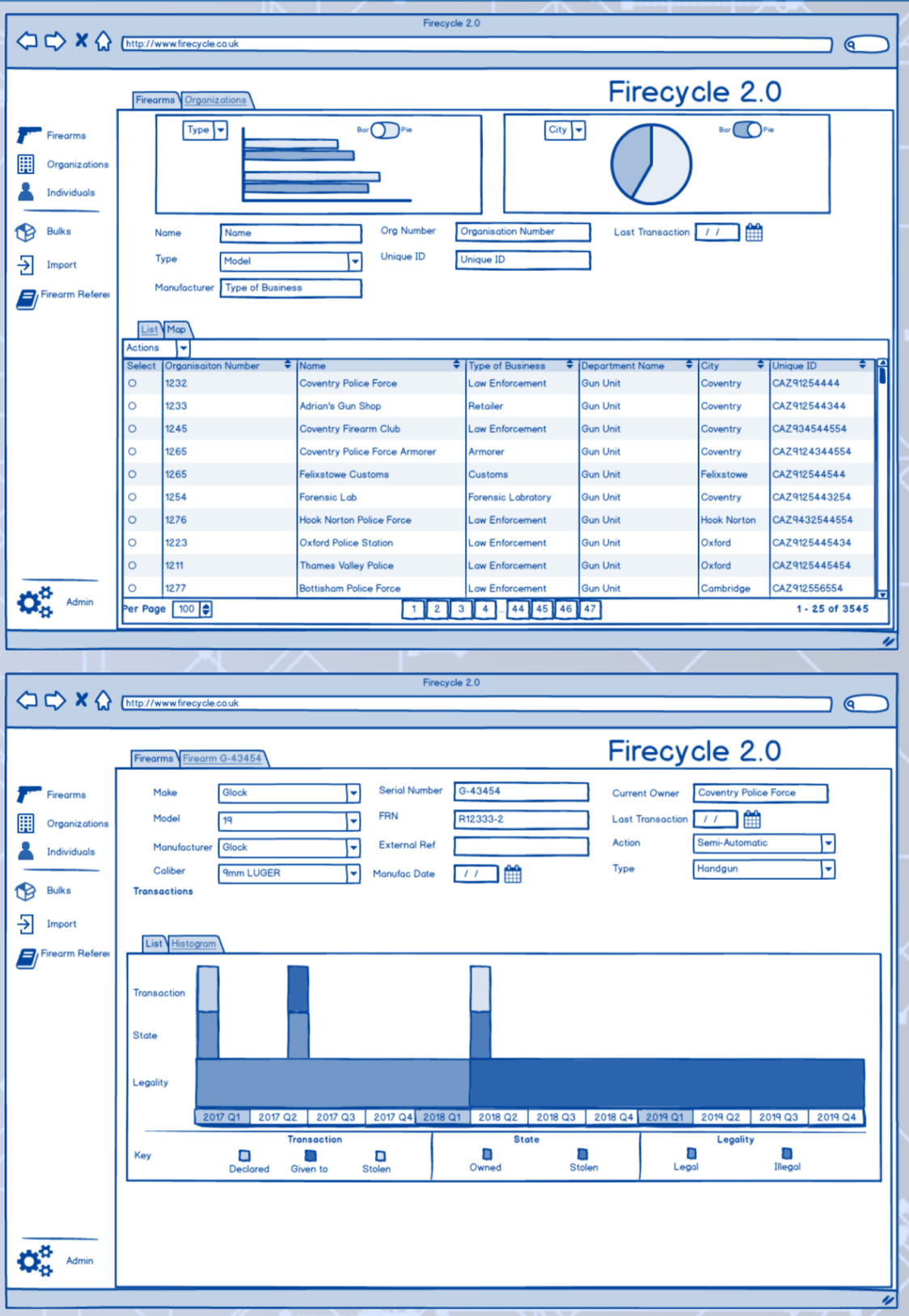
Ongoing Development

Since acquisition in 2020, Arquebus has begun modernising and upgrading FireCycle to provide features that make firearms registration more streamlined. These include:

- ➔ Import Tool for existing Firearm Databases
- ➔ Statistics and Reporting Dashboard
- ➔ Firearms Licensing Module
- ➔ Biometric support
- ➔ Notifications and Alerts
- ➔ Firearm component, accessory and ammunition tracking
- ➔ Integration with Arquebus' Firearm Focal Point iBase Solution



Thank You

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