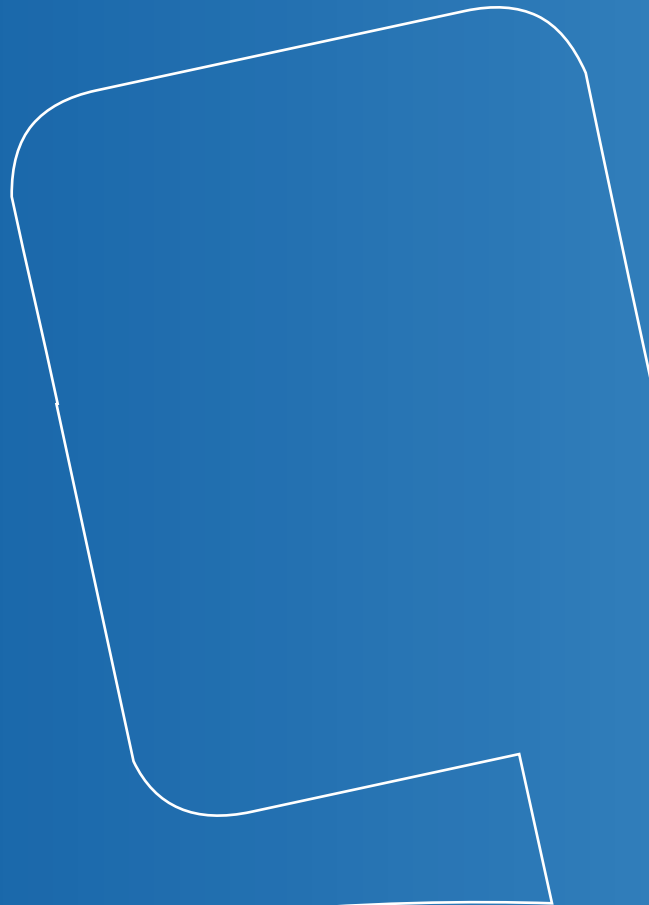




*Supporting client's to develop and
enhance their ballistics intelligence
and forensic capabilities.*





ARQUEBUS[™]

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Introduction to Arquebus

The illegal use of firearms is a truly terrible crime. It harms communities and their prosperity, impacts on economic growth, damages national and local reputations, consumes valuable resources and most critically, costs lives.

Law enforcement professionals and governments have long tried to find the most effective and cost efficient way of dealing with this crime. With many different variables associated with supply chains, complex legislation, limited resources and expensive technology it has proved to be a challenging and complex area for effective enforcement and intelligence activity.

Arquebus provides specialised services and support to assist law enforcement organisations, governments, non-governmental organisations (NGOs) and the military to enhance their response to firearms enabled crime and terrorism. Through the provision of specialist knowledge transfer, bespoke forensic services, expert advice and technological development, Arquebus enables our clients to maximise the benefits that can be achieved from new or existing capabilities and investments by focusing intelligence development, operational activity and technology.

Arquebus offers a bespoke range of services specifically tailored to meet the individual requirements of our customers. In developing these solutions Arquebus can draw on the experience of uniquely skilled law enforcement professionals from the field of gun crime and ballistics intelligence.

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Consultancy

Arquebus offers a unique set of consultation services aimed at helping our clients to thoroughly and systematically review their current capabilities, systems, processes, procedures and technology.

Working with our clients Arquebus makes recommendations that can enable the reduction of overall firearms crime whilst increasing the critical knowledge required to build an anti-gun crime capability that can stand the test of time.

THE CONSULTATION PROCESS

The team from Arquebus works with clients in three key areas;

- Evaluation
- Development
- Continuous Improvement

EVALUATION

Every consultation process begins with a thorough assessment of a client's current processes, procedures, technology and capabilities. In doing so we help our clients to develop a complete understanding of specific problems gun crime can generate, as well as the issues and challenges that need to be addressed.

Working with our clients in their home country, Arquebus submit and present a full evaluation report and associated recommendations for change based upon our extensive experience and knowledge of fighting gun crime.

Arquebus works in partnership to develop processes, procedures and working practices in the field of investigation, intelligence and forensic services.

DEVELOPMENT

Following the delivery of the assessment report, the team from Arquebus begins the process of supporting clients to make the changes required to ensure that the best, most effective gun crime solution possible is developed and delivered.

Arquebus works in partnership to develop processes, procedures and working practices in the field of investigation, intelligence and forensic services. Combined, the advancements made create a powerful tool enabling clients to benefit from a joined up gun crime solution.

The development activity focuses on a number of key areas and can be applied to a variety of circumstances based on geographic location, post conflict status and differing local firearms control measures; they include:

- How the illegal gun market operates
- How to structure a gun crime response
- How to structure a firearms amnesty
- Gun crime prevention
- Dealing with legal and illegal supply chains
- Forensic recovery
- Developing legislative change
- Illegal and legal firearms cross over
- Understanding the criminal use of firearms and terrorism
- Developing virtual firearms data and processes
- How to manage firearms data

CONTINUOUS IMPROVEMENT

To ensure that our clients gain the most from the evaluation and development process, Arquebus maintains a strong working relationship with our clients to assist in the continuous improvement of capabilities and knowledge. For a twelve-month period following the Arquebus consultation, clients are supported via video and audio conferencing, as well as by additional visits and reassessments, allowing them to have continuous support from the Arquebus team.

These follow up visits provide invaluable assistance in developing a long-term gun crime response.



Governmental, Police and Non-Governmental Organisation (NGO) Support

Arquebus offers a unique knowledge enhancement capability to governmental, police and non-governmental organisations (NGO). We are able to support and project manage studies, policy development and assessments focused around the criminal use of firearms, Small Arms and Light Weapons (SALW) controls, amnesties and the development of legislative frameworks to support law enforcement activity and firearms controls.

In addition Arquebus are also able to support the development of new or existing programmes of activity from concept through to delivery. We can assist in the creation of the business case and benefits profiles required to obtain the support and funding essential to build a coherent, efficient and effective ballistics intelligence solution. This enables our clients to maximise the value from their investments whilst achieving tangible results.

We offer expert provision, support and project management on a contract, retained or individual basis.


Please contact us to discuss your requirements and to arrange a consultation meeting.

Maximise the value from investments whilst achieving tangible results.

ARQUEBUS™
NOTEPAD

ARQUEBUS™



 www.arquebus-solutions.co.uk

Training Services

Arquebus offers an unparalleled range of training and development solutions that reflect our commitment to providing essential knowledge transfer to aid the fight against gun-enabled crime.

At Arquebus we recognise that in delivering outstanding training, coaching and mentoring we can provide the specialist support many clients need to build real capacity and capability through the development and implementation of new processes and improved best practice.

Arquebus Training Services works closely with clients to truly understand their training needs and expectations and in doing so we work carefully to develop training programmes that reflect occupational and international standards together with the legislation, procedures and practice of the client's environment. This enables us to deliver a training programme that is custom-built to the client and the context in which they operate.

Arquebus fully exploits its unique expertise and experience to deliver world-class training that focuses on cutting edge gun crime and ballistic investigation, intelligence and associated forensic science disciplines. However we recognise that success in countering the illegal, use, manufacture and supply of firearms is also dependent upon other core investigative skills. Therefore, we are also able to offer a range of training programmes and events that cover a wide spectrum of law enforcement and investigative skills.

Arquebus utilise world-class expert speakers, real case studies, practical exercises and a blend of learning approaches to provide dynamic events that strengthen the learning experience of delegates.

Arquebus Training Services engage dynamic, highly skilled and experienced UK accredited law enforcement trainers who have a wealth of experience as senior practitioners and field experts. Our team are experienced in delivering powerful training events throughout Europe and the rest of the world.

OUR APPROACH

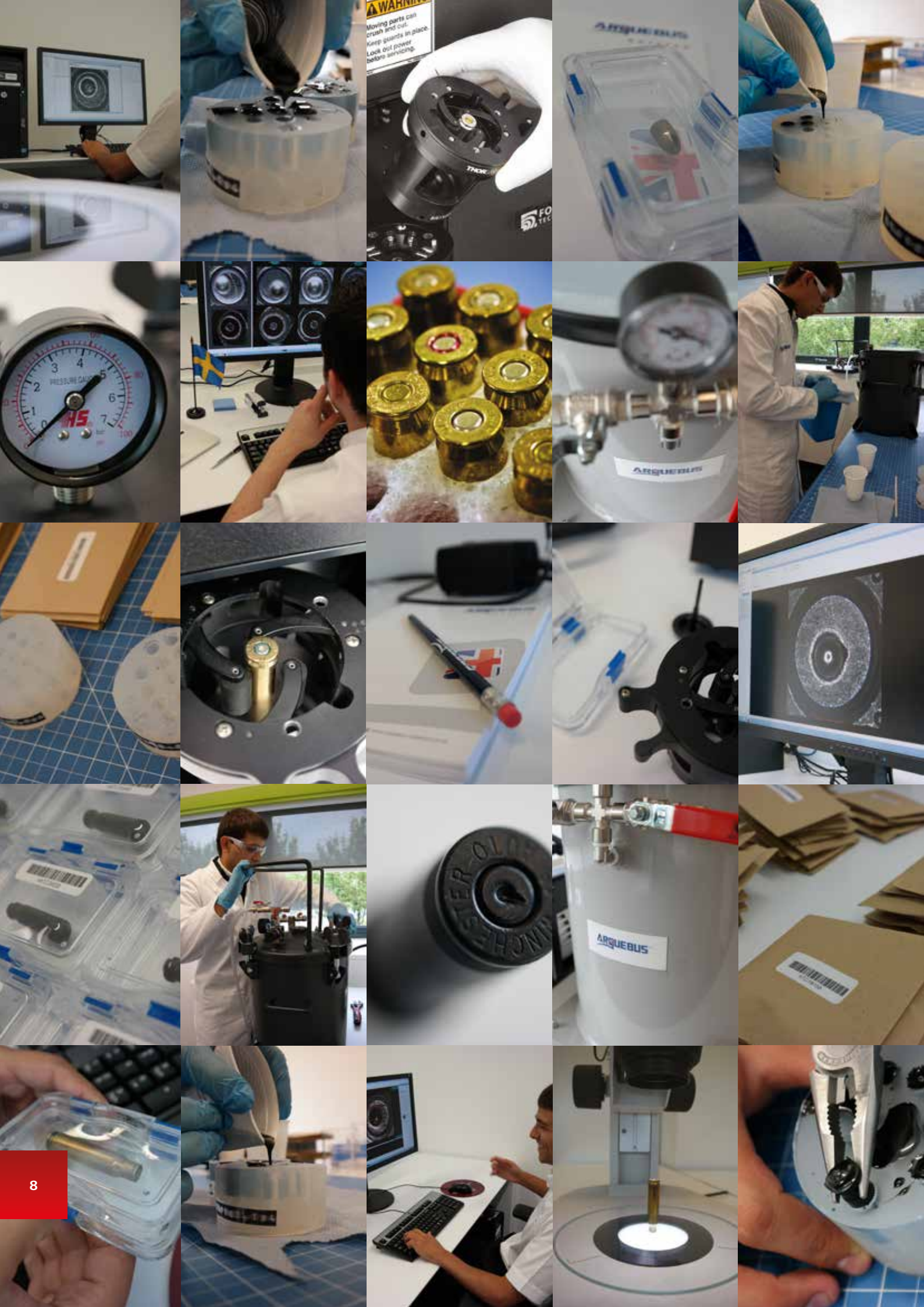
Arquebus Training Services have developed a modular approach to training that gives clients maximum flexibility in the content and structure of their training programme. Each of the modules has been carefully chosen to focus on a particular issue and is capable of being delivered independently if required, or by combining a number of modules to form a bespoke programme.

We have used our extensive experience to develop each module in a subject area that provides substantial learning opportunities and which afford clients the opportunity to compare their current processes and working practice with established good practice in all aspects of tackling gun-enabled crime.

OUR TRAINING MODULES

- An introduction to the problem of the illegal use and trafficking of firearms locally and internationally
- The development of ballistic intelligence as the core of an effective strategy to combat gun-enabled crime
- Making the most effective use of ballistic intelligence
- The concept, value and practicality of tracing illegal firearms
- The role of a Gun Crime Intelligence Unit
- Threat and risk assessments in relation to the criminal use and trafficking of firearms
- Developing strategic assessments and control strategies to tackle gun-enabled crime
- Deactivated and reactivated firearms – practical issues, deactivation standards and the problem of reactivation
- Firearms amnesties – a practical guide
- Illegally converted firearms, techniques and conversion workshops
- Trafficking of firearms across borders
- Investigation of gun crime
- Strategic management and policy making in gun crime investigation
- Firearm registration, record keeping and licensing

Whilst comprehensive, the list of modules is not exhaustive and we are very happy to work with clients to develop additional training solutions. Our unique sector experience allows us to be completely flexible in meeting the precise needs of our clients.



Managed Services

Arquebus has pioneered a flexible Managed Service solution that allows for the processing of bullet and cartridge case based material using the state of the art Integrated Ballistics Identification System (IBIS) produced by Ultra Electronics Forensic Technology Incorporated of Montreal, Canada.

This unique service caters for many of the eventualities and challenges faced in the processing of ballistic material such as: -

- Under Capacity
- Seasonal Variation
- Backlogged Material
- Legal Test Fires
- Open Case File (OCF) acquisition
- Ballistic comparison technology update
- Outsourcing
- Disaster Recovery

Arquebus is committed to supporting global law enforcement efforts to fight gun-enabled crime. In doing so the company recognises the potential of lost intelligence and investigative opportunities that lie in unprocessed ballistic material.

Using IBIS certified staff in conjunction with independent expert forensic support and assessment provided by Forensic Firearms Consultancy (FFC), Arquebus guarantees that its processes are of a world class standard.

The unique benefit of the Arquebus service is the ability to tailor the service to a wide range of requirements. In doing so Arquebus is totally committed to offering solutions that provide value for money, flexibility and ensures that the highest levels of forensic standards and processes are maintained.

In order to support this cutting edge service, Arquebus has built its own IBIS based ballistics laboratory to meet the needs of its current and future clients. Built using the expertise it has drawn from becoming the worlds most experienced user of IBIS 3DHD, the laboratory uses cutting edge IBIS equipment in combination with well-rehearsed and independently evaluated process. In addition the laboratory benefits from strong access controls and 24-hour security.

In understanding the difficulties of moving ballistic material across international borders, Arquebus has integrated the use of Double Casts within its processes. Using this Interpol approved process clients are able to send material across international borders in quick time without the need to seek judicial approval, thus providing fast time access to IBIS based services.

Arquebus is also able to Double Cast material on behalf of clients in order to deliver a complete turnkey solution from Double Casting through to Acquisition and Correlation. In addition, Arquebus can train its clients in Double Casting to allow the casting of individual items for onward submission to Arquebus.

Arquebus is also able to offer in country support to cover shortfalls in laboratory capability, such as dealing with backlogged material, under capacity, seasonal variation or technology transition.

In creating these services Arquebus has worked with Ultra Electronics Forensic Technology to ensure that ballistic information can be transferred directly to your IBIS Data Concentrator and Correlation Server. For clients without an IBIS Data Concentrator or Correlation Server Arquebus is able to facilitate a solution to meet the needs of the client whilst ensuring the highest levels of security and integrity.

Whether you are new to IBIS or an existing user we would be delighted to talk to you about your requirements so please do not hesitate to get in touch.

Our Team

PAUL JAMES

BA (hons), MSc. MBPsS, – Director



Paul is an experienced investigator with 30 years of operational experience, dealing with all types of serious and organised crime. He retired from Avon and Somerset Police with the rank of Detective Chief Superintendent in October 2012 after a career that saw him specialising in the investigation of serious crime.

For the final six years of his police service he was at the forefront of the establishment and operational management of the United Kingdom National Ballistics Intelligence Service (NABIS), performing the roles of Programme Manager and Unit Head.

During his time in UK law enforcement he was a Professionalising Investigation Programmes (PIP3) accredited Senior Investigating Officer (SIO), who in this role led some of the most serious and high profile criminal investigations in the UK. During this time he received numerous Chief Constable and Crown Court Commendations. He has a wide network of contacts in the law enforcement community, legal profession and private industry.

MATT LEWIS

Director



Matt is an experienced law enforcement professional. As the former Head of Knowledge and Communications for the United Kingdoms National Ballistics Intelligence Service (NABIS) he has developed a unique set of skills in establishing the worlds leading gun crime intelligence provision. He also has a wealth of experience gained during his time in the private sector.

During his time developing and delivering the NABIS programme he played an essential role in taking NABIS from concept through to a fully operational intelligence service. He carried out numerous key functions including organisational change, programme and financial management, marketing and inter-agency liaison functions allowing NABIS to develop quickly and efficiently.

Matt also brings a wealth of private sector experience including an in-depth knowledge of the Information & Communication Technology (ICT) field having worked as an IT Service Delivery Manager for both BMW and the Ford Motor Company's Premier Automotive Group.

In recognition of his work Matt received the West Midlands Police Chief Constables Award in 2012 as well as a Presidential Commendation from the Association of Chief Police Officers in the same year.

GEOFF SPICER

BA.Ed (hons) – Head of Training Services



Geoff's unique blend of operational policing experience, academic qualification and experience of training law enforcement agencies world-wide allow him to design and deliver the most powerful training events to clients.

As a Chief Superintendent with over 30 years' experience he retired from the UK police service in July 2014. At that time he was the Area Commander for one of the largest and highest performing command units in the South West of England commanding over 1000 staff with responsibility for a budget circa. £50 million.

Geoff is an accredited UK National Police Trainer who holds industry standard qualifications in adult and further education as well as a 1st Class honours degree in education. His thesis centred on the interview of homicide suspects and became a key influence in current national high order police interview technique training.

He has designed and delivered training programmes and events at regional and national level in the UK as well as in the International arena. By example, he has delivered the serious crime modules to the Senior Command Course in the United Arab Emirates (UAE) and Senior Investigating Officer (SIO), Management of Investigators and Investigations, Intelligence, Drugs Investigations, Covert Operations and Interview Technique Courses to the Sovereign Based Areas Police Service and CYPOL in Cyprus.

GLENN LAWRENCE

Bsc (Hons) Lead IBIS Technician



Glenn is a forensic science graduate from the Queen Mary University in London. As a dedicated Integrated Ballistic Identification System (IBIS) Technician Glenn's role entails the operation of the IBIS system to examine ballistic material associated with firearms crime and the management of legally held weapons. Globally he is the most experienced operator of the IBIS BrassTRAX and BulletTRAX HD3D systems.

The systems manufacturer, Ultra Electronics Forensic Technology Incorporated, provided Glenn's formal training in relation to the IBIS system. In doing so Arquebus is able to ensure that the operation of the system is in alignment with the processes and procedures carried out within a client's own laboratory or within the Arquebus laboratory based in Coventry, England. Additionally, he is a certified IBIS trainer able to provide training across the IBIS product range for new users, as well as refresher training for existing users.

As well as operating the IBIS system Glenn is responsible for communicating potential ballistic connections to customers across the globe. His role also involves the recording of results and the maintenance of the 'chain of evidence' using standard forms, processes and procedures in alignment with ISO17025. In fulfilling his role he is required to work in accordance with approved procedures and working practices set out by Arquebus and Forensic Firearms Consultancy (FFC).

CONNOR PATMORE

Junior IBIS Technician



Connor is currently an undergraduate student entering his final year at Coventry University where he is studying for a Bachelor of the Sciences degree with Honours in Forensic Investigation. This multidisciplinary degree encourages Connor to apply essential elements of crime scene science, psychology, criminology, law, computing and the use of photography and video to the investigation of crime.

As a dedicated Integrated Ballistic Identification System (IBIS) Technician Connor's role entails the operation of the IBIS system to examine ballistic material associated with firearms crime and the management of legally held weapons.

The systems manufacturer, Ultra Electronics Forensic Technology (UEFT) Incorporated, provided Connor's formal training in relation to the IBIS BrassTrax HD3D system. In doing so Arquebus is able to ensure that the operation of the system is in alignment with the processes and procedures carried out within a client's own laboratory or within the Arquebus laboratory based in Coventry, England.

LAURA LEWIS

Company Secretary



Laura is a highly skilled and professional individual with many years of experience in the automotive and customer service sector. Working in a part time capacity her duties as Company Secretary include areas such as maintaining statutory registers, filing annual returns with Companies House, maintaining the security of the company's legal documents and ensuring the companies policy for the retention of documents is in compliance with legal requirements.

Laura also supports the Directors with advice, consultation and learning in relation to statistical reporting and people management processes.



*Utilising the world's leading
ballistics comparison technology.*





Why Arquebus?

The Arquebus is a shoulder-fired firearm that was developed in the 1400's and is the forerunner of the modern rifle. It completely revolutionised warfare as it made its counterpart the crossbow obsolete.

Compared to archery where it took many years of training to produce an effective archer, the Arquebus could be used after minimal training, which meant that many soldiers could be trained to use the Arquebus in the same time that it took to train a single skilled archer.

The Arquebus was widely used across Europe and in parts of Asia, but its importance can probably be best illustrated by its use during the battle of Pavia between France and Spain in Italy in 1525.

Facing overwhelming opposition the Spanish deployed 3000 Arquebus shooters to kill over 8000 knights on horseback. This defeat marked the swan song of warfare being dominated by armoured knights, and ended the age of chivalry.

Although the Arquebus was indeed a huge advance in technology its usefulness was initially inhibited, as it was not effective for long range sniping. However it was by developing the tactic of using it by massed ranks of soldiers in an organised manner that allowed its full potential to be realised.

The Arquebus was a revolutionary weapon which combined with innovative tactics and technical superiority allowed the Spanish to destroy the once great Aztec empire in Colonial Latin America, making all other weapons obsolete and becoming the weapon of choice for 150 years.

IN SUMMARY THE DEVELOPMENT OF THE ARQUEBUS SAW:

- The deployment of the latest technology in a manner that maximised efficiency
- The development of effective training methods allowing subsequent wider use of the new equipment
- A change in working practice to use the new technology to maximum effect in a manner that had never been seen before
- The delivery of sustainable and long-term change in a manner that allowed users of the technology to become independently strong.
- The entire philosophy upon which Arquebus is founded is our commitment to deliver significant and long lasting benefits to our clients. When dealing with us you can be assured that our objective is not to focus on short term 'fire fighting' of problems, but to work together with you to maximise the true potential of existing or future technology, people and systems in a way that is guaranteed to last the test of time.

In the same way that the Arquebus inspired change in the way that warfare was conducted some 600 years ago Arquebus can transform the way in which you focus your ballistics intelligence and business processes to maximum effect.

Who we work with



Arquebus - Premises

Arquebus is based at the Coventry University Technology Park in the United Kingdom.

Based in the £4m HDTI building, Arquebus supports its consultancy, knowledge transfer and managed service solutions from this state of the art facility.


CONTACT US

If you would like to contact us to discuss how Arquebus can support you with our range of services, or for any other general enquiry, please please call **+44 (0)844 335 8859** or email **info@arquebus-solutions.co.uk**

Thank you.





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