Paul D Turner, TSS TSI

The development process of new innovative technology is a complex undertaking that involves significant focus and experience, and the ability to invest significant financial resources into the project.

It is for this reason that very few people are willing or capable of developing technologically advanced software such as the Kestrel TSCM ® Professional Software.

As noted in the February 2016 newsletter.

"With the recent extraordinarily successful release of the latest (v1.31-15) installer of the Kestrel TSCM ® Professional Software in January, our Software Development Group is now focused on the next anticipated (v1.32xx) code release with even more features and functionality, leading up to the 11th annual Canadian Technical Security Conference (CTSC 2016)".

In early 2009 our Technical Research and Standards Group (TRSG) embarked on an awesome journey to develop an industry first, game changing TSCM specific software application, primarily out of frustration, of not having the availability of an alternative, cost effective, TSCM system with realistic, field deployable, operator centric features.

Our initial in-house development efforts were firmly based on the vision, and perhaps a little speculation of the potential capabilities of newly developed SDR hardware entering the marketplace for the first time in history, in early 2009.

In 2010, after significant success with our prototype, the Genesis ECM ™ software, our Canadian Software Development Group (SDG) was formed, and immediately began to work on an entirely new development architecture, fully based on the TSB 2000 (Technical) Standard ™.

The Kestrel TSCM ® Professional Software, now a registered Canadian trademark, made its first official appearance shortly thereafter, during the same year, and has seen increasing sales during each successive year.

The challenge seemed insurmountable, however, Kestrel TSCM ® quickly emerged as an industry leading, and truly disruptive Software Defined Radio (SDR) platform, which has generated significant interest and sales worldwide, in more than 23 countries, bringing renewed innovation to the TSCM industry, since the 1970's.

Our Signal Intelligence Support System (SISS) ™ platform is fully developed in Canada, and supports a wide range of entry level and professional search receivers and spectrum analyzers from key third-party manufacturers.

Kestrel TSCM ® Professional Software is the definitive leader in delivering innovative milestones of operator centric, TSCM specific features and functionality demanded by professional end-users.

Technical Surveillance Countermeasures (TSCM) and Remote Spectrum Surveillance and Monitoring (RSSM) ™ are just two (2) primary, but essential design elements of the Kestrel ® software.

With plenty of new development cases on the books for implementation, the future is very bright for the growing number of technical operators that now rely on Kestrel ®.

Many ideas for new features and functionality, added to Kestrel ® with each new release, are often in direct response to operator provided input.

Our team is agile, experienced and capable of turning conceptual ideas into real-world features.

We like to call this "innovation". It sounds simple, but it is not a simple process! Innovation requires our team to coordinate, and advance conceptual thinking, into a deliverable, field deployable feature set.

Undertaking the necessary scientific research and experimentation, applying advanced engineering skills, integrating years of direct field experience, and evaluating the core elements of operator centric, situation awareness, all must pass successfully across our entire Software Development Group (SDG), and only then can the complex development code be set in motion.

Kestrel TSCM ® Professional Software
We Are Future Ready—Are You?

Professional Development TSCM Group Inc.

The Kestrel ® development process moves at lightning speed, once all elements of the TSB 2000 (Technical Standard) ™ are achieved for the intended new feature.

Power Line Carrier (PLC) | Broadband Powerline (BPL)

Significant new threats of yet another relatively new consumer technology has become a common find during technical inspections, particularly in business environments that occupy multi-tenant facilities.

BPL devices can turn a relatively secure LAN connection into a powerful unintentional radiator, and an RF based emitter. The implications of this technology include the potential for unauthorized devices, Over-the-Air (OTA) radiation, and targeted interception of conductive emissions, across an open, shared power grid.

Broadband Powerline (BPL) devices represent a clear danger due to uncontained emissions that are easily intercepted by persons unknown.

Kestrel supports the ability to detect, identify, and analyze the presence of Power Line Carrier (PLC) and Broadband Power Line (BPL) emitters.

Kestrel includes ready to deploy Spectral Profiles that cover the necessary ranges to quickly analyze directly coupled or OTA signals.

The proper deployment technique, and an appreciation for electrical safety are essential when working with energized high-voltage powerlines, from the standard 125 volt systems that most operators are familiar, however, what about 277 volt or higher voltages as may be encountered, depending on the buildings power infrastructure?

It is recommended that technical operators consider attending the 3-day Kestrel TSCM ® Professional Software Technical Operator Certification training before attempting to conduct PLC and BPL inspections.
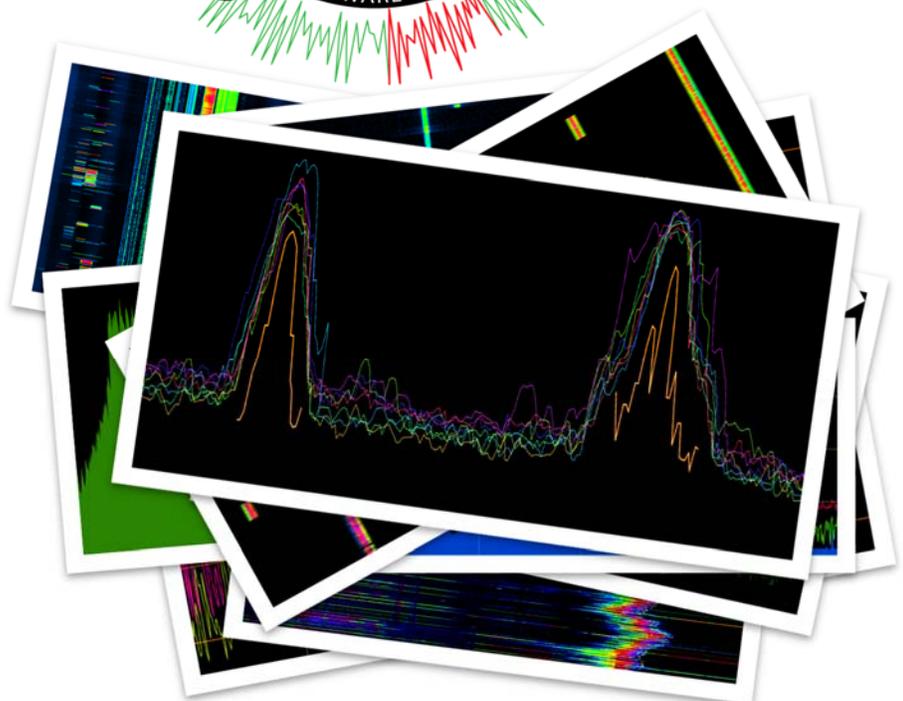
The life you save, may be your own!

Canadian Technical Security Conference (CTSC)

The Canadian Technical Security Conference (CTSC) is scheduled to run from April 26, 2016 to April 28, 2016 at our Resident Training Centre (RTC), NAV Canada located in Cornwall Ontario.

| www.pdtg.ca | www.kestreltscm.com | www.ctsc-canada.com |

Innovation is Simply the Beginning

Kestrel TSCM ® Professional Software is innovative industry leading, disruptive technology, now sold in 23 countries worldwide.