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Upstream Active Tool Suite Overview

SCRAM Systems partners with Upstream to offer additional monitoring options, including:

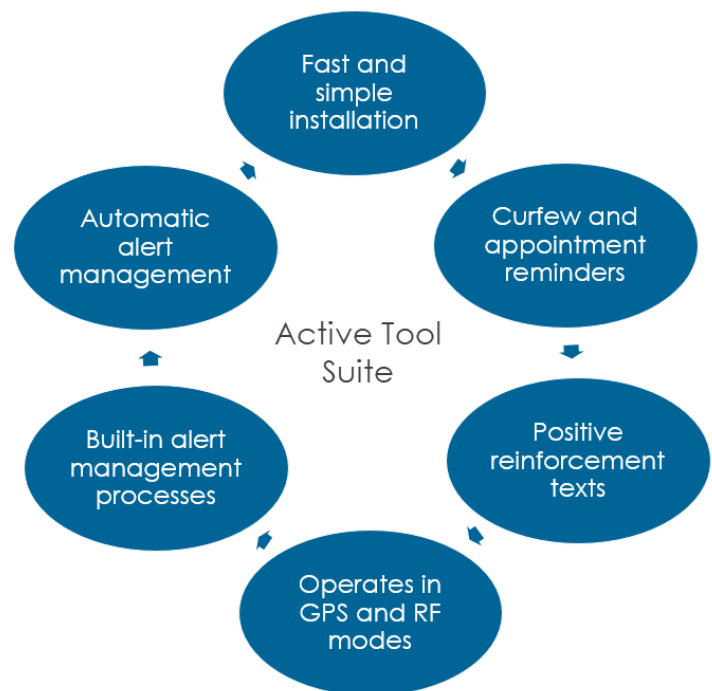
- A smartwatch GPS tracking bracelet securely fitted to the client's wrist that uses GPS technology
- A home unit based in the client's home that uses radio frequency technology
- A centralized software application that logs client information and tracks equipment transactions



SCRAM Systems' alternate options may include any of the three-part suite of Upstream's Active Tool Suite selections: the wrist-worn smartwatch bracelet, the home-based monitoring unit, and/or the centralized software application.

Key features for the three-part full suite include:

- Fast and simple installation process.
- Offers both GPS and RF modes.
- Text messages received directly on the bracelet.
- Enables positive reinforcement and gamification.
- Client-specific information is displayed on the bracelet—curfew and appointments for the next days are easily visible, so clients know requirements and restrictions.
- Alert management processing in the monitoring application—actively helps officers take the appropriate actions.
- Automatic alert management—the system manages simple alerts automatically and escalates critical alerts to officers.
- Intelligent alerts—embedded sensors allow the smartwatch to report usable information instead of just technical data.



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Smartwatch GPS Tracking Bracelet

Offender Management. The smartwatch GPS tracking bracelet simplifies offender management and communications:

- Bracelet receives text messages directly from the platform, with option to require acknowledgement.
- Clients receive reminders on the bracelet (appointments, curfew, battery status, etc.).
- Clients have access to personal information on the bracelet (agenda, rules to follow, contact info).
- Positive reinforcement provides feedback opportunities.
- Curfew updates notified on the bracelet, so client has more opportunities to stay compliant.
- Automated notification of alerts (exclusion zone violation, late home, etc.); bracelet vibrates and displays a message on the screen.
- Allows for customization of notifications and communication including gamification options.



Client Communication. The smartwatch GPS tracking bracelet enables direct communication with clients in a dynamic way by sending reminders, messages, violation alerts, and customized words of encouragement directly to the device. These features help clients comply with the rules and make it possible for them to actively participate in their rehabilitation process. Smart system capabilities can escalate certain alerts to streamline operations and ensure important events are noticed by officers.

The bracelet has the ability to accommodate multiple languages, as well as client's with limited reading ability. The bracelet uses easily understood icons and numbers to convey necessary instructions, notices, schedule information, and reminders, including date and time. The bracelet also vibrates with notifications ensuring that the client is aware of communication.



Clients can easily understand positive encouragement, curfew schedules, and officers' directives displayed directly on their smartwatch in text, icons, and numbers.

Design. The wrist-worn smartwatch GPS tracking bracelet is a small, lightweight, one-piece device that is securely fitted on the client. Small and discrete, the bracelet is approximately 2.4 inches tall by 1.8 inches wide, by 0.5 inches deep and weighs 2.8 ounces.

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Though it is uniquely designed for durability, it comes equipped with a tri-color LED screen and two buttons and looks like many popular smartwatches on the market, blending in with the client's everyday activities and minimizing stigmatizing effects on clients.

The shock-resistant device has been tested on all six faces and four exposed corners of the watch and has successfully passed drop tests from a height of five feet on to a concrete plate. It is both waterproof and moisture proof to IP68 standard. It meets safety, health, and environmental protection requirements both in the European and U.S. markets and is CE (Conformite Europeenne) and FCC (Federal Communications Commission) certified.

Strap. The strap is disposable, made of medical grade hypoallergenic material, and features optical fiber for anti-tampering technology. The strap can be sized and cut to the appropriate length to fit comfortably and accommodate individual wrist sizes.

Battery and Charging. The smartwatch GPS tracking bracelet is easily charged from any mobile battery or commercial USB connector, allowing the clients to move about freely while charging. It can charge to 80% battery life in one hour and will reach 100% battery capacity in two hours. Monitoring mode and frequency of activity will differ for each individual client and draw on the battery life in different measures. However, each mode offers more than sufficient power to support normal daily activity, with regular recommended charging during the week.

Monitoring Mode	Battery Life
RF mode (no GPS)	75 hours
RF and GPS mode	55 hours
GPS only mode	48 hours

Communication Network. The bracelet connects to the LTE-M (CatM1) mobile network. It also has an embedded SIM card that provides back up and can roam across the nation using local cellular networks.

Accuracy. The U.S. Global Positioning Satellite (GPS) navigation system is part of five constellations used to monitor via satellite around the world: GPS, GLONASS, BeiDou, Galileo, and QZSS. The U.S. GPS navigation system was developed for military use and is the pioneer of location monitoring. It is primary to the U.S. and is globally recognized as the most accurate. The second satellite navigation system, developed by Russia and referred to as GLONASS, provides global coverage and comparable precision. Together, all five global constellations provide increased accuracy and redundancy.

Location Technologies. In addition to GPS satellite, the bracelet can use Location-Based Service (LBS) trilateration to collect points using geographic data from surrounding telecom operator base stations. It also incorporates an augmentation system, Assisted GPS Services (A-GPS), that significantly improves location detection ability and start-up, or Time-To-First-Fix (TTTF). Using multiple location technologies can enhance accuracy and ensure monitoring when the bracelet is in a location that inhibits satellite access.

Tracking Frequency. Tracking can vary from one point every 40 seconds in normal operation and one point every 10 seconds during violations. When using LBS technology, tracking frequency depends on the geographic availability of telecom operator base stations.

Reporting Interval. The communication interval is customizable and can be set by the Participating Entity.

Tamper Detection. The smartwatch GPS tracking bracelet is equipped with multiple tamper detection features. The bracelet generates a tamper alert when the strap is cut, the strap detects excessive pulling, the case has been tampered with, or the bracelet has been removed.

Memory. Because the tracking device is actively communicating, even when deployed in a passive mode, the need to store data in memory is largely eliminated. The smartwatch GPS tracking bracelet

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can store seven days of activity (events and tracking points), should communications be interrupted.

Home Base Unit

ActiveHome is an optional home base unit that is small and simple to use. It can be installed in the client's home to confirm absence or presence using GPS tracking and radio frequency technology.

Design. The unit is modest and discreet, measuring approximately 2.4 inches tall, by 3.1 inches wide, by 5.1 inches deep and weighs only 7.1 ounces. The front-facing side has an LCD screen and two buttons, for straightforward and effortless monitoring. The screen displays the date and time as well as messages to the clients when there is a violation. The buttons are used to scroll through menu options, such as step-by-step installation instructions.

It is inconspicuous and does not interfere with daily activity. It meets safety, health, and environmental protection requirements in the European and U.S. markets and is CE (Conformite Europeenne) and FCC (Federal Communications Commission) certified.

Installation. The home base unit is designed to pair with the wrist-worn GPS device. Pairing is easily managed by assigning the unique device serial number to the client's profile in the software. Once enrolled, the unit can be easily installed in the client's home by simply plugging it into an electrical outlet; the unit can be adapted to fit any plug. When the unit is installed, it will automatically set the range and be ready to monitor.

Range. The variable range can be extended or reduced as needed from the monitoring platform. The settings include an indoor range of up to 65 feet (20 meters) and an outdoor range of approximately 492 feet (150 meters). To accommodate clients with larger homes, multiple units can be assigned and work in conjunction to expand the total allowable range.

Battery Life. The home base unit is powered by the client's home electrical outlets. If the unit loses power, the backup battery will continue to provide power for up to ten days. When power is restored, the unit will charge to 30% capacity in one hour and be fully charged in four hours.

Communication. The unit is optimized to communicate by cellular communication.

Alert Detection. At a minimum, the unit will generate an alert for the following violations:

- Power loss detection
- Movement detection
- Tamper detection for case opening



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Monitoring Software

ActiveMonitor is the cloud-based monitoring platform developed to correspond with the ActiveTrack and ActiveHome monitoring devices.

The software's contextual menus ensure that officers always have the information they need at hand. Active built-in help features allow officers to follow the customized working procedures to ensure all violations are managed according to their Participating Entity-selected protocols.

Key benefits include:

- User-friendly and intuitive.
- Cloud-based functionality.
- Integrated alert management processes.
- Zone management abilities.
- Secure at all levels.
- Noticeably short reaction time.
- Extended and flexible reporting capabilities.

The software is designed to make officers' work easy and efficient, while also providing reliable, accurate monitoring data.

