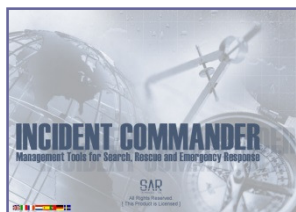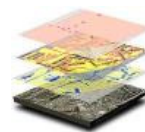# SAR Technology Inc.
http://sartechnology.ca
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Products & Services for
Aeronautical Search & Rescue

Professional Tools for the SAR Responder

SAR Technology is pleased to offer a unique collection of SAR tools to assist in aeronautical search and rescue missions.

The SAR Technology system consists of a comprehensive suite of software products and services designed to fully support aeronautical SAR missions.
The software tools include:

SAR Technology Software:
'Incident Commander Pro' - **is the primary SAR software application. It handles mission documentation, incident management, statistical data, logistic calculations and all aeronautical mission planning, status updates and all aeronautical search-tasks and assignments.**
http://sartechnology.ca/sartechnology/ST_PlanningData.htm

'Incident Commander Pro's GIS - **module displays digital maps and can be used to plot statistical information, draw search zone areas, track-line searches, aeronautical search patterns, distance rings and export to Google Earth.**
http://sartechnology.ca/sartechnology/ST_ICPro7GISFeatures.htm

'Pattern Commander' - **creates a wide range of standard aviation search patterns that can be displayed by both 'Incident Commander Pro' and Google Earth. These mission-defined search patterns can be loaded directly into the aircraft, helicopters and drones that will be flying the search patterns.**
http://www.sartechnology.ca/patterncommander/

'Image Commander' - **geo-tags any images relevant to the search and overlays them on the map display. This creates a more complete picture of local terrain, clues-found, debris-fields, evidence location, etc, to build a more complete visual picture of the entire search mission.**
http://www.sartechnology.ca/imagecommander/

'Image Recognition SAR' - **Digital cameras onboard aircraft, helicopters and drones can take thousands of images during the mission that can be processed by the new 'Image Recognition SAR' software. This unique software has been specifically designed for SAR missions and can rapidly process thousands of search images – specifically looking for crashed aircraft, crashed helicopters, vessels or missing persons. This important and powerful new search technique can significantly increase the probability of actually detecting the search target - often the most challenging task of any SAR mission.**
http://www.sartechnology.ca/imagerecognition/

SAR Technology Services:
SAR Technology Inc. has created a number of unique SAR services to help improve the speed, efficiency and specific area-localization of missing aircraft.
The service tools include:

Mission Optimization
– generates the most effective search plan for all the search areas, time and resources that are currently available.
Mission Optimization increases the speed of target detection, improves effective range, increases on-scene dwell-time and increases victim survivability.
http://sartechnology.ca/sartechnology/ST_OptimizedPlanning.htm

Aircraft Crash Location Service
– based on flight plans, incident weather reports, radar reports, aircraft specifications and terrain analysis, this advanced service predicts an aircraft's potential 'crash map' by drawing probable crash location areas along the general flight-path of the aircraft. By changing the incident scenarios it is possible to create multiple 'crash maps', each taking into account different weather and aircraft performance scenarios.
http://sartechnology.ca/sartechnology/ST_AircraftCrashMap.htm

Aircraft Debris Location Service
- Using advanced analysis the location of debris that has broken off an aircraft – either by accident or by deliberate action - can be generally predicted, based on the debris' aerodynamic and ballistic properties. Locating this debris can be invaluable to both the mission SAR/Recovery operations and for any subsequent forensic investigations.
http://sartechnology.ca/sartechnology/ST_AircraftDebrisLocation.htm

Image Recognition Service
- Uses advanced image-recognition technology to find Missing Aircraft, Debris, Helicopters, Vessels, Vehicles and Persons in satellite images or in images taken during SAR mission flights. Image Recognition (IR) Flights provide a much higher probability of detecting the missing target – delivering faster, larger-area and more successful, searches.
http://www.sartechnology.ca/imagerecognition/
http://www.sartechnology.ca/imagerecognition-flightplans/

For more information please contact:

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