



SATELLITE

Strategic Satellite
Monitoring



Innovative And Proven
Communication
Intelligence Solutions

Powerful Monitoring

With all the parameters of carriers known, the remaining challenge is to intercept all content and other information related to the communication. The VASTech Zebra and VASTech Badger systems are well-positioned to perform this task due to their power and capacity to process and capture everything to which they are connected while retaining very large amounts of information.

These systems enable pro-active intelligence gathering over extended periods to allow the investigator to reconstruct communication scenarios after an incident, providing information on known targets, new targets and their collaborators. These systems are ideally suited to the demands of satellite monitoring due to their small footprint, remote deployment ability and integration features (which make the intercepted information available to other analysis applications). In addition it enables a unified view when deployed with other Zebra and Badger systems, thus offering an overall intelligence picture over any geographical area.

Zebra is designed for use in telecommunication environments and has built-in DCME classification and decompression functionality, which greatly simplifies deployment for satellite monitoring. All carriers, including DCME-compressed carriers, are connected directly to the Zebra E1, SDH or GigE gateways.

DCME terminal types are automatically detected and switched in under software control. This allows rapid reconfiguration and support for a wide range of DCME terminals in a very small footprint. Decompression is performed in software, transparent to the user. The Zebra CIC mapping function resolves the complex task of mapping SS7 signalling to bearer channels, providing A- and B-party numbers, point codes identifying the location of both ends of the channel and also bringing together the two sides of stereo conversations.

Badger is a highly scalable monitoring system designed for use in broadband networks, capable of capturing the traffic on multiples of 10 Gigabit Ethernet and STM64 inputs in a widely distributed and highly robust architecture. Badger is the architectural platform of choice for large capacity implementations of Internet monitoring, download analysis, webmail and social networks.

These VASTech monitoring systems work together to form a fully-featured solution. The software-centric design simplifies the addition of functionality and enables customisation to match unique customer needs. The combination of VASTech SSA, Zebra and Badger is flexible and powerful to address any communication satellite interception requirement.

Valuable Intelligence

Accurate intelligence helps governments make informed decisions to defend a country's sovereignty and protect public safety. Through use of intelligence derived from VASTech monitoring solutions, the correct resources can be efficiently deployed to pre-empt planned operations which threaten these values. Valuable intelligence can be obtained by effectively monitoring the appropriate satellite carriers. VASTech systems offer the opportunity to unlock this potential.

