

Defentek Orbital Satellite Interceptor System

The satellite Orbital Interceptor System vital solution is a fully integrated monitoring and analysis platform that helps intelligence organizations and government agencies fight against national threats, terrorism, organized crime, and criminals. The solution enables collection, retention and analysis of voice, fax, video, email and other data transmitted via fixed and mobile satellite communication networks.

The Orbital Satellite Interceptor System covers:

- Mobile satellite devices including Thuraya, Inmarsat and ISAT
- VSAT and others
- GSM or VPN backhauls
- International links

The system enables monitoring and investigating targets and suspects via close coverage of fixed and mobile satellite communication networks. The Orbital Interceptor System vital solution enhances operational workflow and increases the effectiveness of the intelligence production process with a set of advanced analysis tools:

- Text mining
- Link analysis
- Optical Character Recognition (OCR)
- Speaker recognition
- Language identification

Orbital Satellite Interceptor System capabilities:

- Support for all types of communication including fixed and mobile telephony, email, webmail and social networks
- Dedicated tools to handle complex Internet-related needs
- Location data extraction

Orbital Satellite Interceptor System key benefits:

- Bridge intelligence gaps by covering all communication sources
- Intercept satellite communication off-the-air
- Gain coverage of international communications
- Support for the complete intelligence cycle: collection, processing, analysis and distribution

Defentek develops advanced systems to cover satellite interception for major mobile satellite communication systems.

The systems can be installed on various platforms, such as vehicles, vans, shelters, fixed installations, ships, helicopters etc. They can be used either as portable stand-alone tactical systems or as front-ends integrated with larger scale systems, such as the Intelligence Illumination Maestro Control Center.

In addition, Defentek develops Satellite Link Interception System for interception of global and regional satellite communication operators ("Intelsat", "Eutelsat", "Arabsat", "Domsat", "Indosat", etc.) including VSAT and DCME.

The Iridium satellite constellation is a system of 66 active communication satellites with spares in orbit and on the ground. It allows worldwide voice and data communications using handheld satellite phones. The Iridium network is unique in that it covers the whole earth, including poles, oceans and airways.

Iridium Interception System is intended to intercept information (voice, SMS, data) in IRIDIUM communication channels.

The system is completely passive, does not interfere with satellite communication and therefore absolutely undetectable.

The other feature of the Orbital Interception System, that it is designed to intercept information transmitted through Thuraya network channels.

The Orbital Satellite Interceptor System provides:

- Interception of voice, fax, SMS, data and call related information
- Determination of the geographical position of Thuraya terminals
- Continual (24/7) operation, processing and storage of information
- Full-range, flexible retrieval of stored information on user demand
- Issuing of reports and recommendations based on stored information assessments

The Orbital Satellite Interceptor System can be supplied in either tactical (L-band only) or strategic configuration (C-band with one or multiple L-band posts).

The information objects monitored by this system are: satellite systems Intelsat, Eutelsat, Arabsat, Domsat, Indosat and other global or regional satellite communication operators.

The Orbital Satellite Interceptor System intercepts the following communication links:

- E1/T1 standard, and their derivatives with various types of compression, including DCME and many others
- Public and private computer networks
- Different standards of the global VSAT system
- GSM-operators (GSM-A, Abis)
- And more depending on the capabilities of the cryptologists