



information is superiority

COMPANY PROFILE



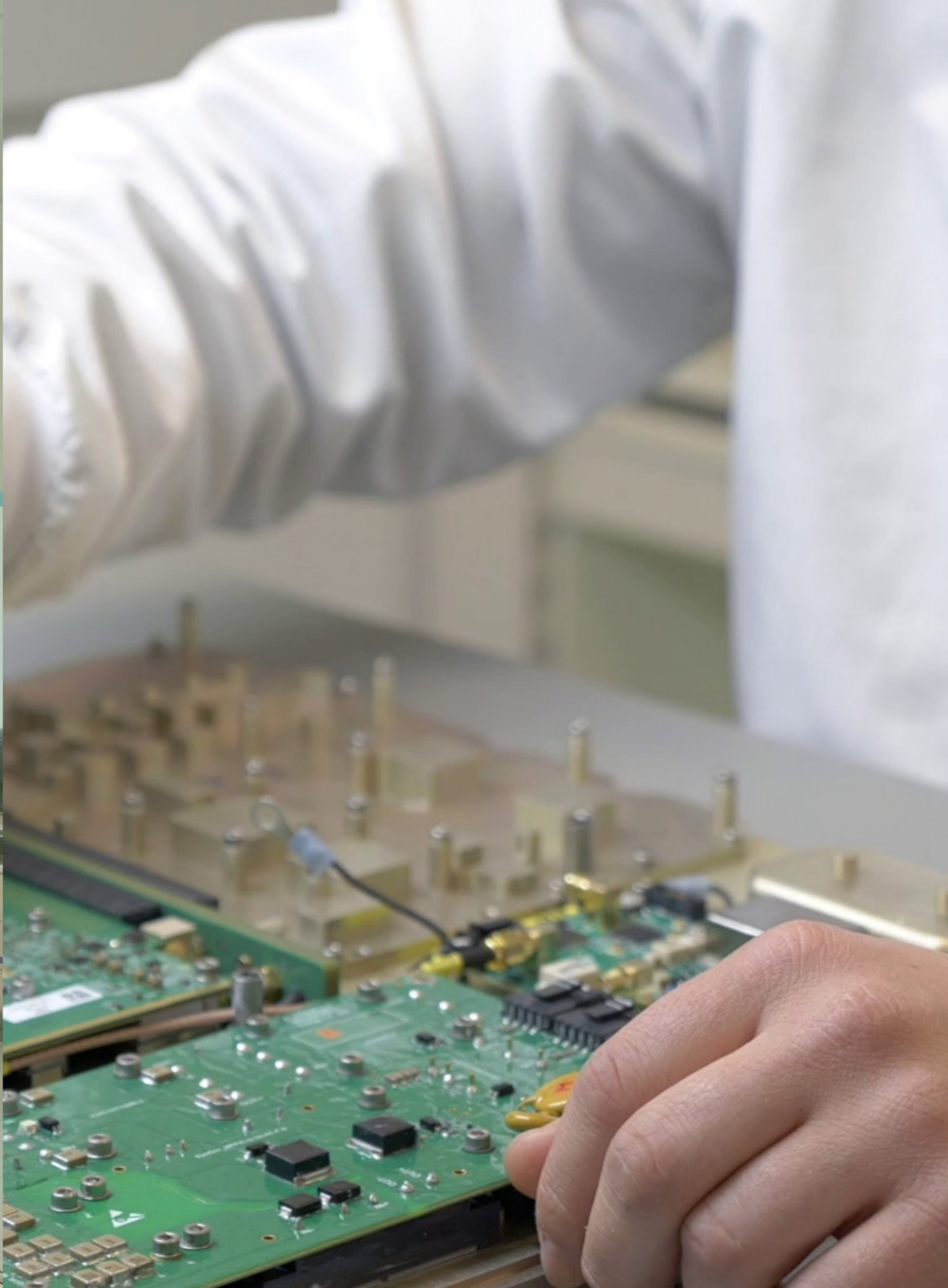


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COMPANY PROFILE

CTech Information Technologies. Inc.

Since 2005 CTech Information Technologies. Inc. (CTech) offers products and solutions to various stakeholders in the domains such as defense and security, aviation and space, telecom and broadcasting for communication, cyber security and modeling-simulation technologies.

CTech, having become a subsidiary of Turkish Aerospace Industries Inc. (TAI) in 2018, today employs more than 170 experts and keeps growing steadily. The Corporate Headquarter is located on Teknopark Istanbul Campus in Kurtköy district of Istanbul. The Ankara office is located on the Cyberpark campus in Bilkent.

CTech has a 3,000 square meter infrastructure including engineering design facilities, a clean room, typesetting workshops, electronics laboratories, system integration test laboratories, warehouses and production hall.

We have the Production Permit Certificate by the Turkish Ministry of National Defense. In addition CTech has the ISO-9001:2021 Certificate as well as National and NATO Secret Facility Security Certificates. Based on our mutual quality perception and to qualify with typical customer expectations we follow internationally accepted standards and guidelines such as ECSS, CMMI Level-3, IEEE-12207, IEEE-15288 and MIL-STD-973, ANSI/EIA 649 and AS9100.

DOMAINS



01
DEFENSE AND SECURITY



02
AVIATION AND SPACE



03
TELECOM AND BROADCASTING

TECHNOLOGIES



01
COMMUNICATION



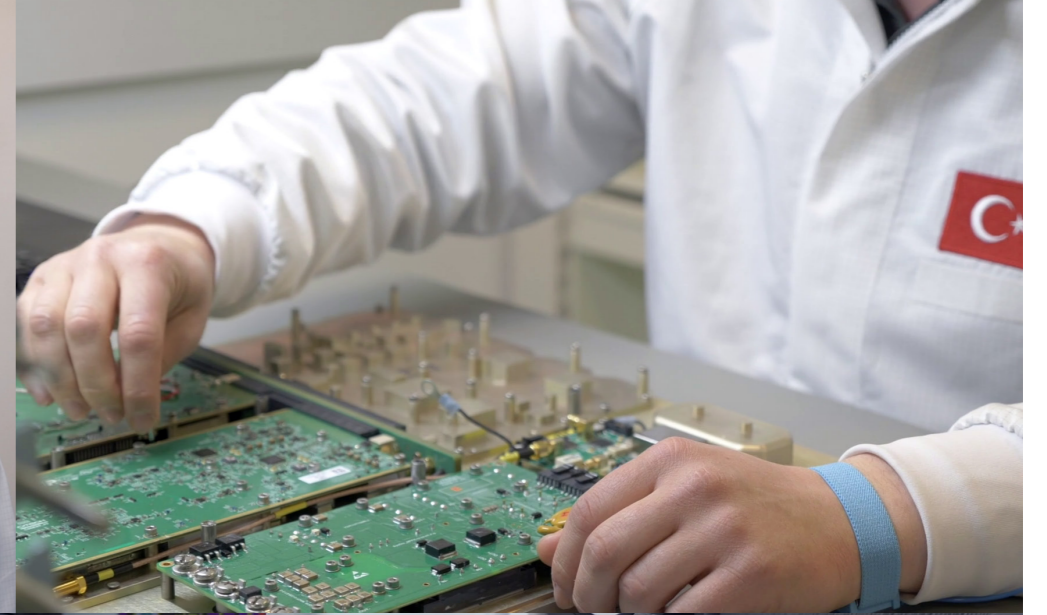
02
CYBER SECURITY



03
MODELING AND SIMULATION



OFFICES



PRODUCTION LINE

MOBILE SATELLITE COMMUNICATION PRODUCTS



With its deep expertise on the satellite communication (SatCom) technologies, C2Tech is the frontier developing Turkey's first indigenous mobile satellite communication systems.

These systems, including air and land terminals and ground stations, could be used in various platforms such as unmanned and manned aircrafts, land vehicles and marine vessels. It enables uninterrupted communication on the move over the horizon and can provide you with high speed data (audio, video, etc.) transfer.

Having used in Turkish UAV platforms like ANKA-S, it is available for other domestic and international air and land platforms. Thanks to the light and ultra compact design applicable to any mobile platform.



AIRBORNE TERMINAL



GROUND STATION



AIRBORNE TERMINAL



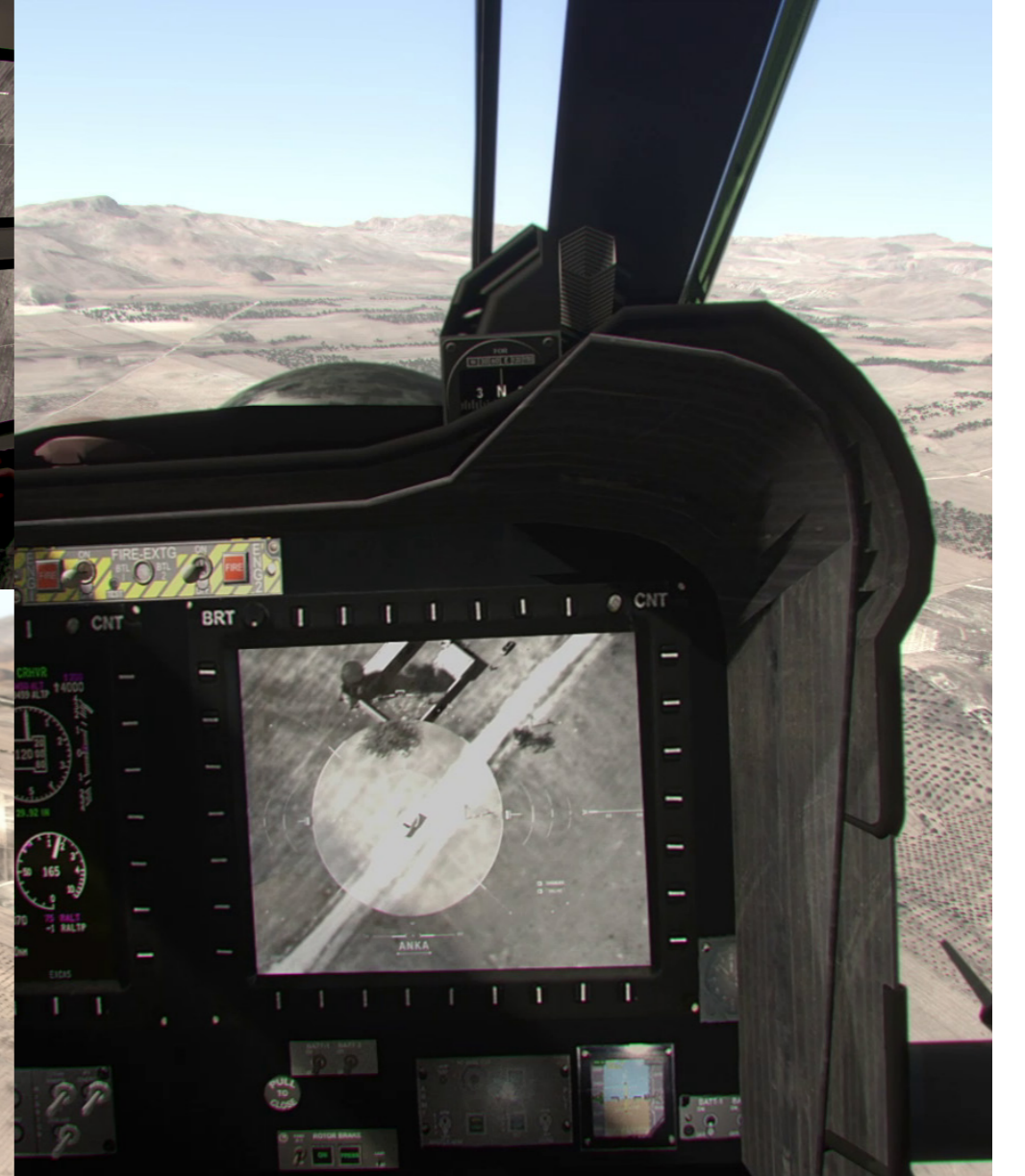
REMOTE VIDEO TERMINAL



GROUND MODEM



AIRBORNE TERMINAL-HELICOPTER

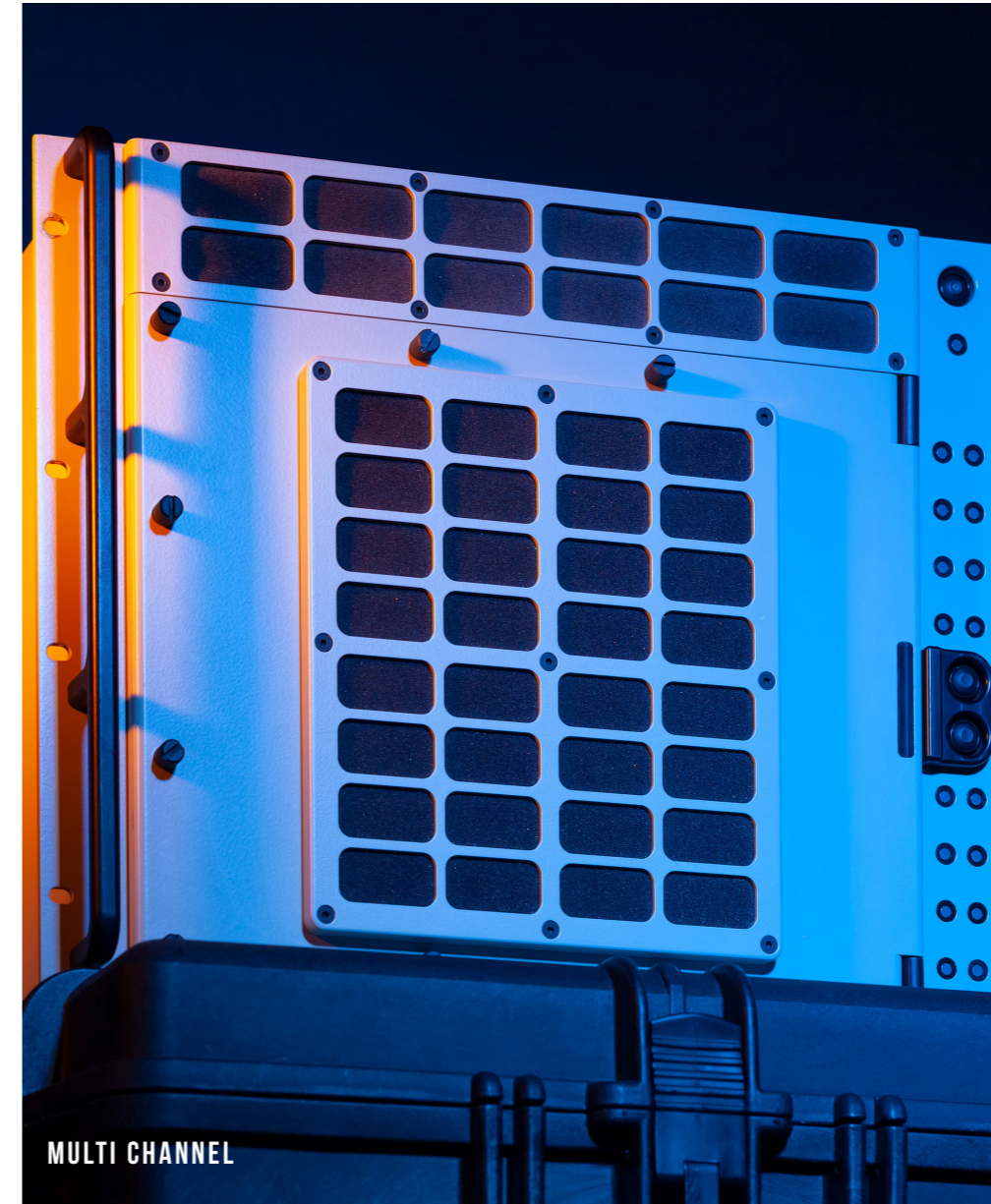


SECURE SATELLITE COMMUNICATION PRODUCTS

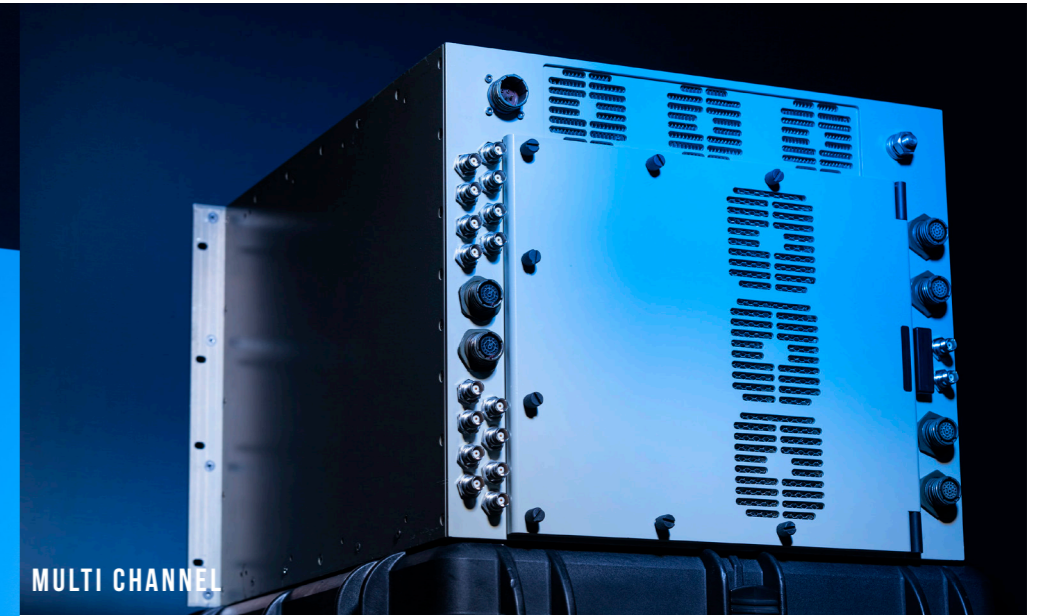


CTech is one of the few to own jamming resistant and secure SatCom technology in the World and is the sole provider of Turkish Army in this context.

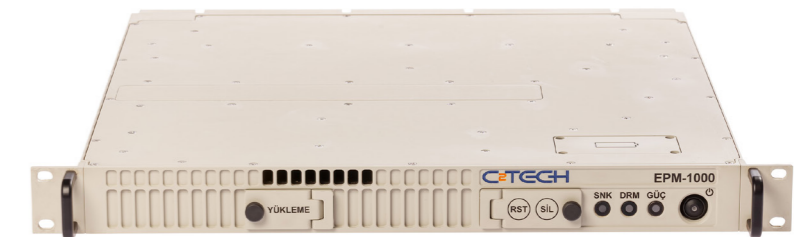
Jamming environment interferes and disfunction the communication means in the battlefield and leaves friendly forces disconnected. Our proven EPM solution is overcoming the jamming environment and survives to communicate even against dense and wideband jammers. That allows you to have significant and strategic advantage and keep connected with your friendly entities even over thousands of miles away. Resilient communication is very strategic to have the right data on the right time. In today's fast and responsive environment without information superiority, you may not be able to succeed.



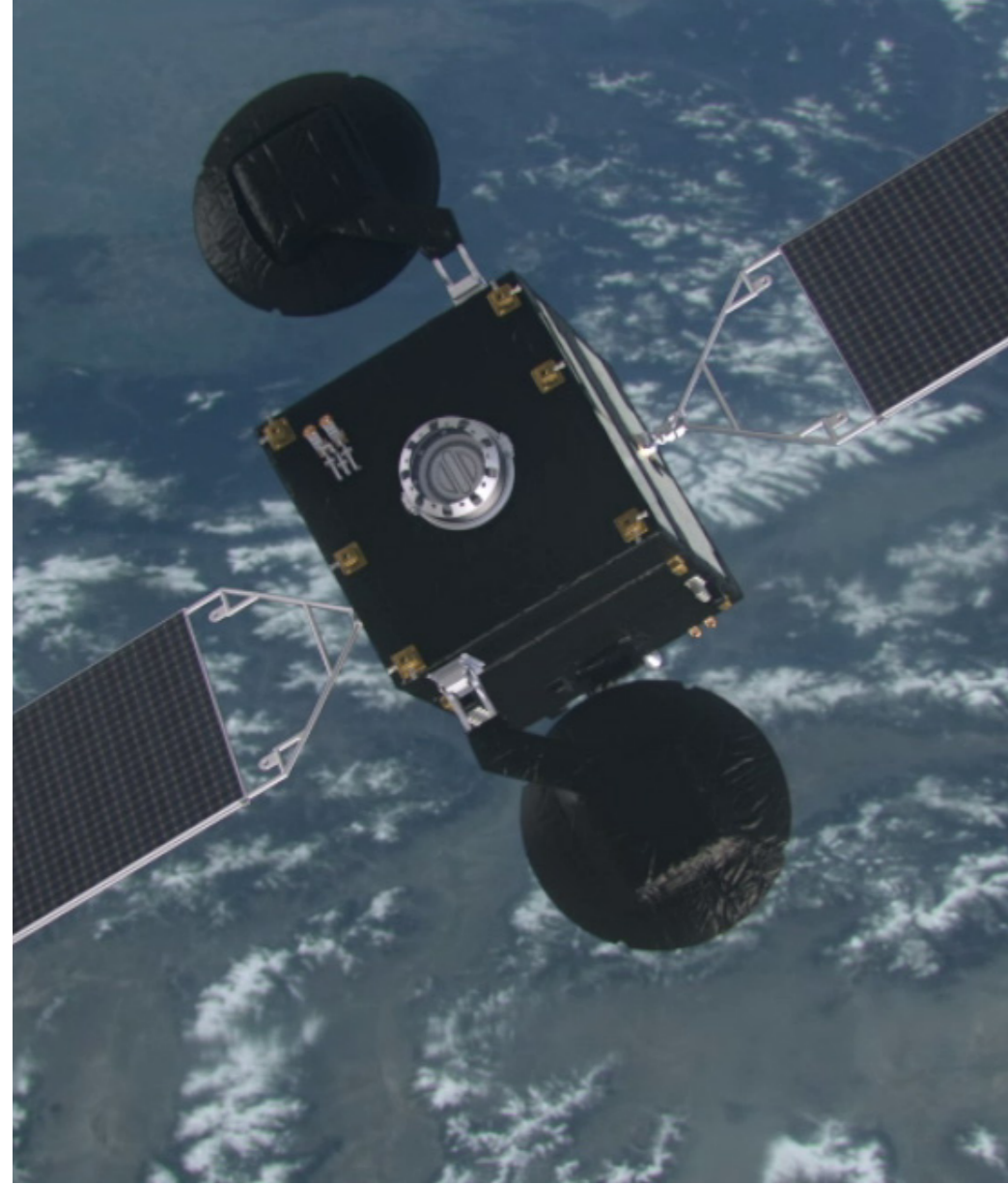
MULTI CHANNEL



MULTI CHANNEL



SINGLE CHANNEL



LAND PLATFORMS



MAIN OPERATION HUB

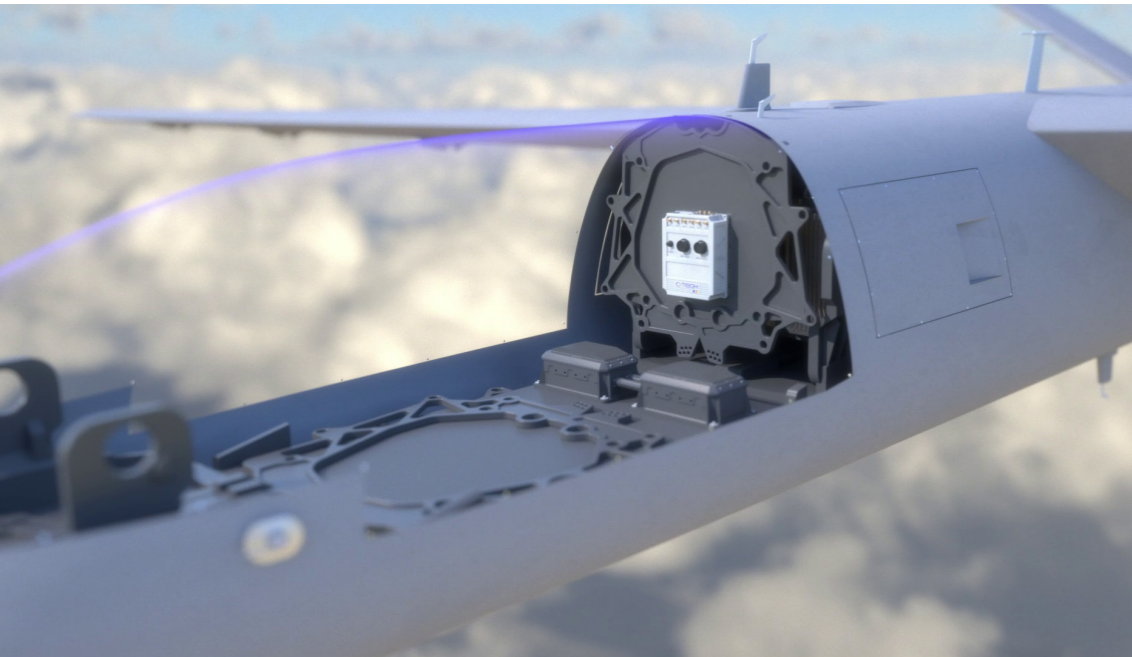


AIR PLATFORMS



NAVAL PLATFORMS

LINE OF SIGHT COMMUNICATION PRODUCTS



CTech provides state-of-the-art line of sight (LoS) communication products that can operate in many different airborne, terrestrial and naval environments.

These systems enable platforms to communicate with ground control stations or other entities over the line of sight in the long range up to 200 km. It supports safe and resilient communication in all kinds of harsh weather and environmental conditions.

This system allows the transmission of all type of platform data such as sensor data, audio and video. It is based on the CTech's propriarity Software Defined Radio (SDR) architecture providing high flexibility for variety of user requirements and applications



AIRBORNE MODEM

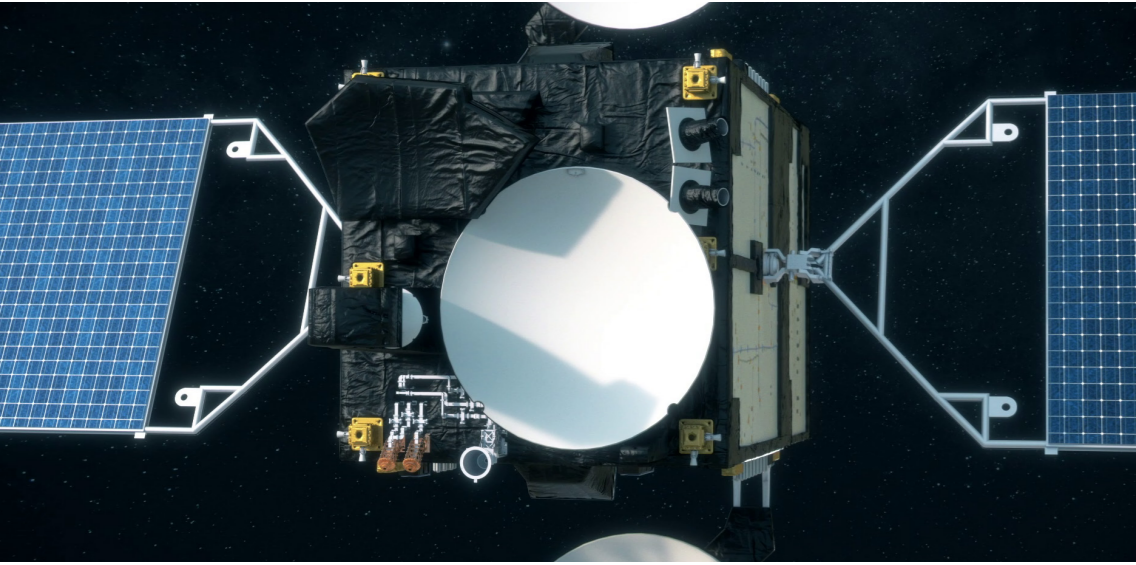


GROUND MODEM



GROUND MODEM

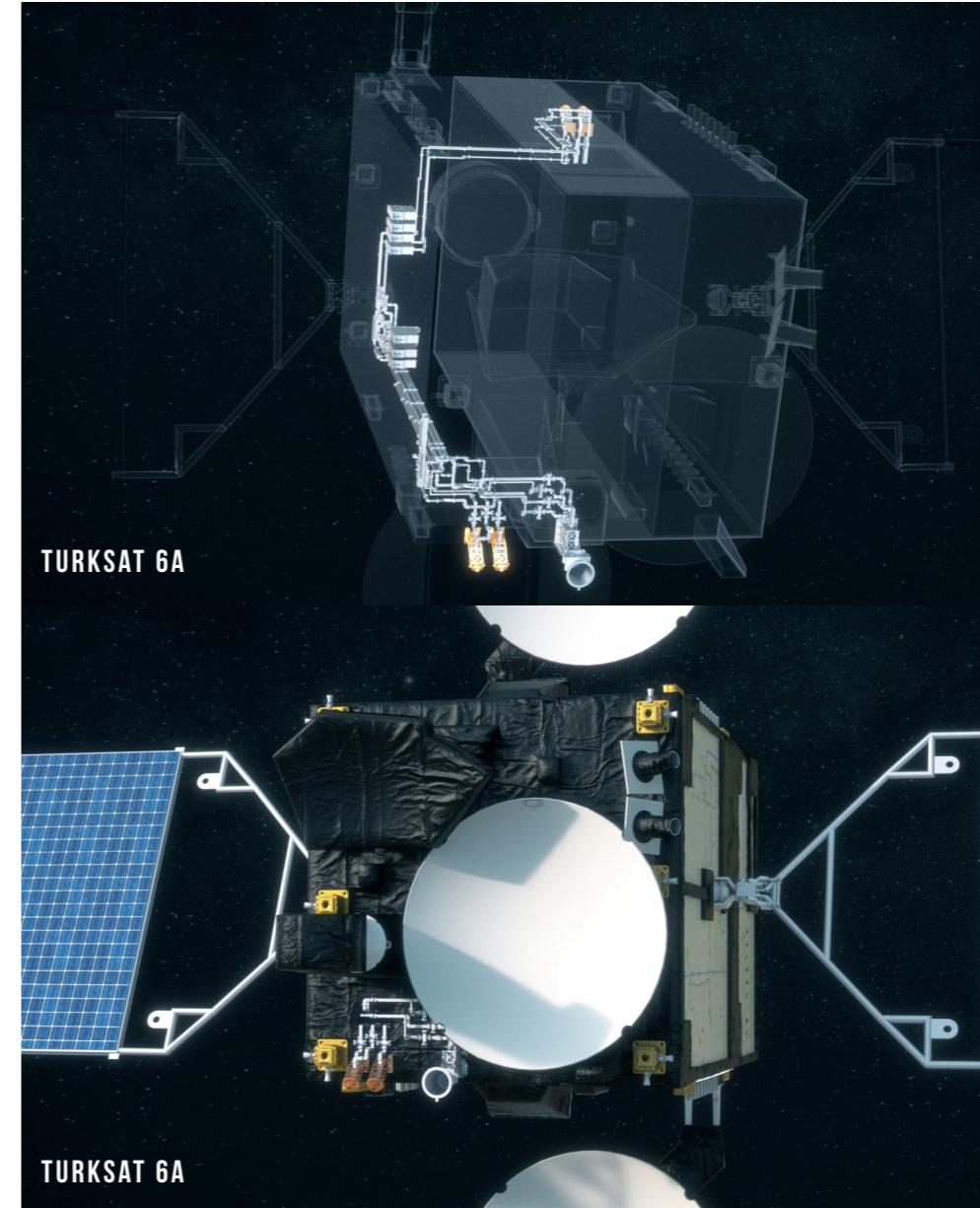
SATELLITE TELEMETRY AND TELECOM, RANGING MEASUREMENT SUBSYSTEM PRODUCTS



CTech is a part of the consortium to build the first indigenous Turkish communication satellite TURKSAT 6A. As part of this project, CTech is providing the Telemetry Telecommand and Ranging (TCR) Subsystem with its space qualified engineering capability.

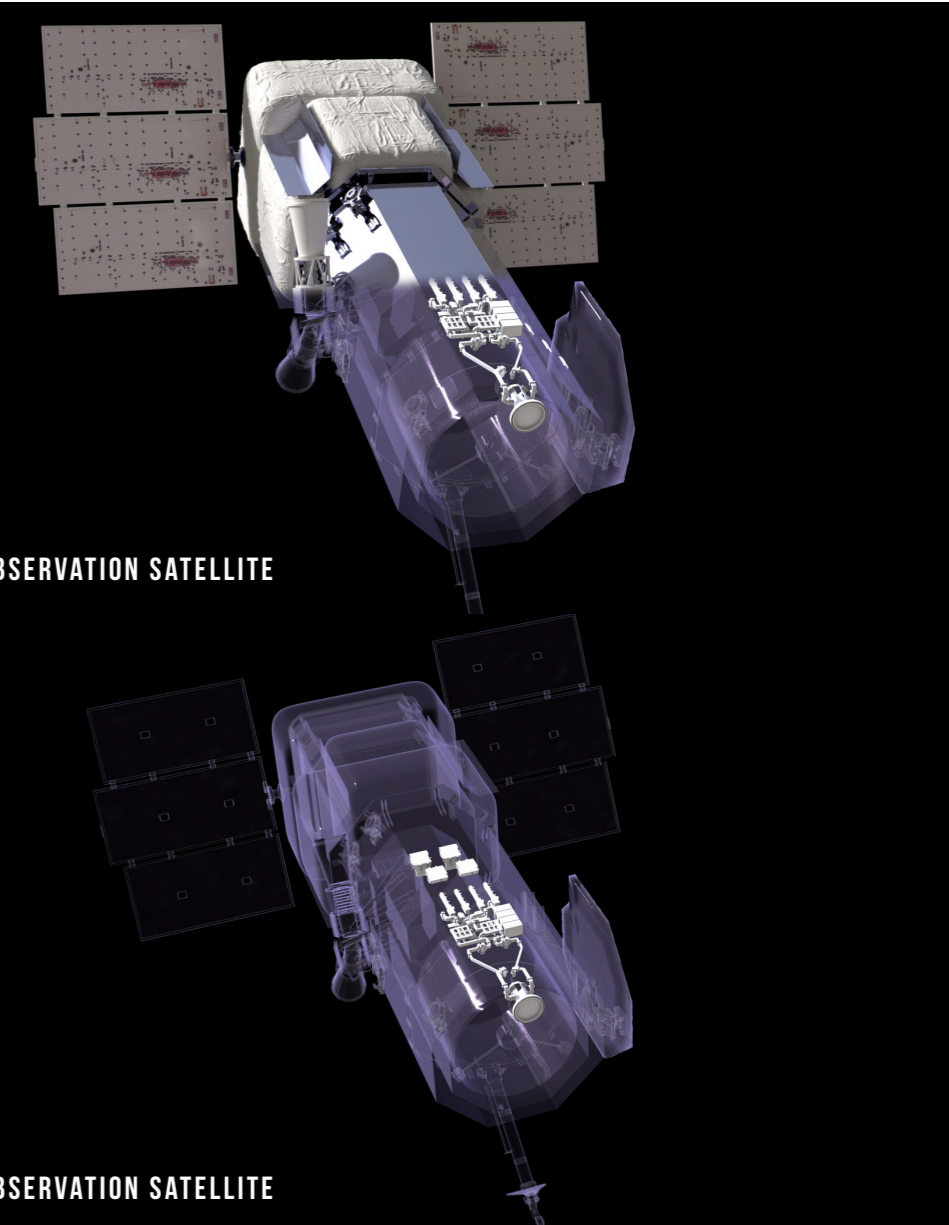
This subsystem provides telemetry data, which is the health status of the satellite, telecommands that provide remote control of the satellite, and range measurement function that enables the satellite's orbit to be determined with high precision. In other words, all the data flow that enables the satellite to be monitored and controlled by ground stations takes place via the CTech's TCR subsystem.

TCR subsystem and equipments were designed in a way to provide communication with ground stations, with absolute continuity, for a minimum of 15 years without any disruptions in satellites. CTech takes full responsibility for the design, installation and integration of the TCR subsystems.



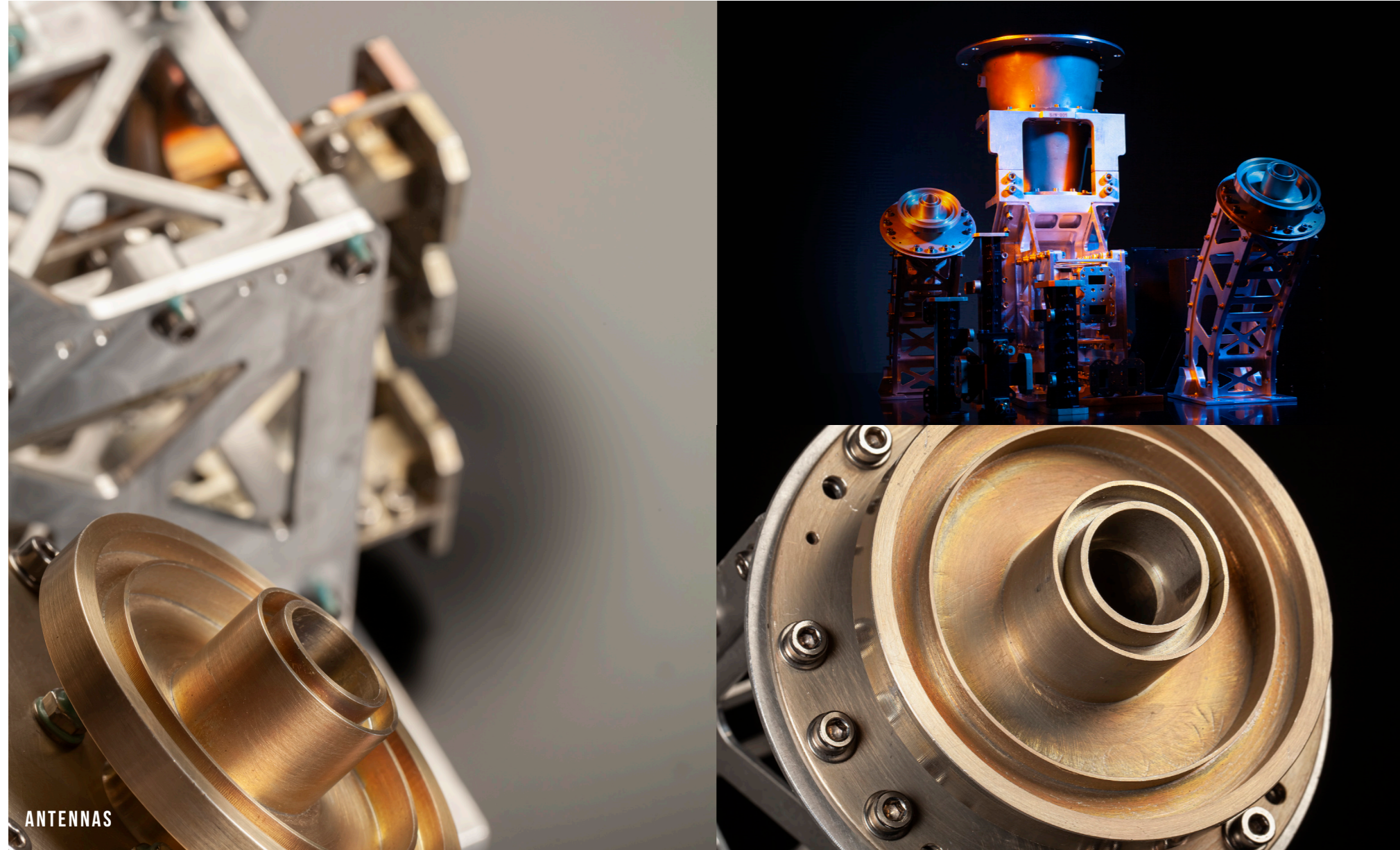
TURKSAT 6A

TURKSAT 6A



OBSERVATION SATELLITE

OBSERVATION SATELLITE



ANTENNAS



CLEAN ROOM

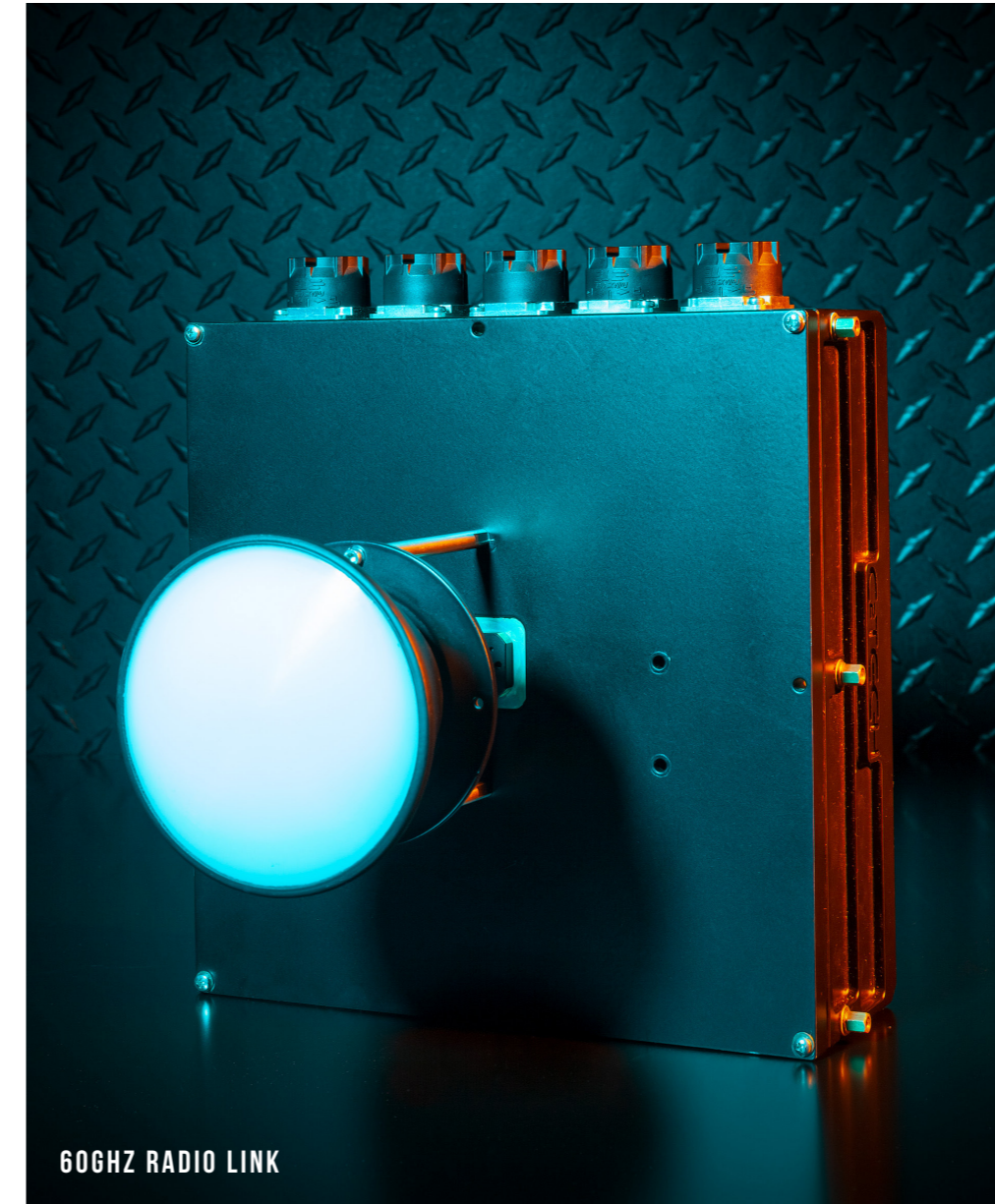
RADIOLINK PRODUCTS



CTech has a range of radio link systems that can transfer data, point-to-point, at very high speeds through wireless air interface.

Our portfolio is contributing to the creation of 4G and 5G telecom infrastructures. With its radio link products portfolio, CTech is one of the few radio link providers to telecom operators in Turkey.

Alongside telecom operators, we are delivering our solutions to banks, internet service providers and other customers who need fast and secure data transmission between distant locations.



60GHZ RADIO LINK



80GHZ RADIO LINK

MOBILE BROADCAST AND NEWS GATHERING PRODUCTS



Our portfolio has a range of solutions, namely *modeo live*® and *MOBIoT*® for live video and data transmission.

These are very useful in mobile applications such as live news broadcasting of tv stations, on the move security surveillance and reconnaissance needs of homeland security departments, search and rescue operations, disaster monitoring and command-control requirements of various customer profiles (i.e. government agencies, municipalities, fire departments etc), cultural activity organizations and more.

modeo live® can, flexibly, stream through common GSM (2G,3G,4G) lines, Wi-Fi connection or Gigabit Ethernet interface. It also allows you to directly stream your live video to any social media environment (i.e. facebook, twitter, Instagram etc) through well established and secure server infrastructure. It keeps you connected and live in each and every part of the world with no restriction.



CYBER SECURITY, ENCRYPTION AND DATA SECURITY PRODUCTS



CTech provides cyber security services to both corporate and individual users with its cyber defense and information security products and solutions.

KRYPTOS®, one of them, is a two-factor security product that allows data to be protected by state-of-the-art encryption within the scope of personal preferences, corporate policies or legal obligations. Today, our data is no more unaccessible as almost all stays in network environment. It offers protection against unauthorized, unlawful access of your data in such connected life and controls access of your data. It is so simple to use through USB interface for computers and through Bluetooth for mobile platforms (phones, tablets etc), and suitable for both corporate and individual use.

The distinctive feature of KRYPTOS® compared to traditional encryption solutions is that it keeps you working safely on encrypted data without changing your daily routine. You could keep your data encrypted at your computer local storage or you may use any corporate or personal cloud location. The good thing is; you may allow other people (family members, friends, employee groups etc) to access your encrypted data by creating your own policy. So even your data is stolen, thefts will not be able to access it. KRYPTOS® can also be easily integrated with networks, cloud storage services and institutional file sharing and synchronization solutions through a single interface.





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