SVS SATELLITE SYSTEMS

SVS
satellite systems

ABOUT SVS SATELLITE SYSTEMS

SVS Satellite Systems was founded by a team with experience in satellite communication technology in 1995. Since then, we are providing broadcasters, telecom companies, ISPs and military organizations with mobile and fixed satellite communication equipment, solutions and services.

We offer complete turnkey solutions, engineering designs, maintenance and consultation on all types of communication systems. We carry data, voice, video over satellite, install fixed and mobile earth stations in Turkey and around the world.

MILESTONES

2016 First Private DTH Earth Station in Dhaka, Bangladesh

2015 Passive RF Component Design

2014 SVS Satellite System buys Cobham RF Division

2013 ARABSAT Partnership

2012 Eutelsat Autopointing Approval

2011 Qatar TV IPTV Infrastructure Project Partner

2011 Start of OEM SNG Antenna Production and Sales

2010 Frame Agreement with Arabsat on DTH Earth Stations

2008 Installation of Turksat DTH Headend

2007 Installation of TT&C Turksat Earth Station

2006 Technical Service Partnerships MCL, Newtec, Paradise

2004 First African Projects in Nijer and Gabon

2004 First Middle-East Project - Al Jazeera

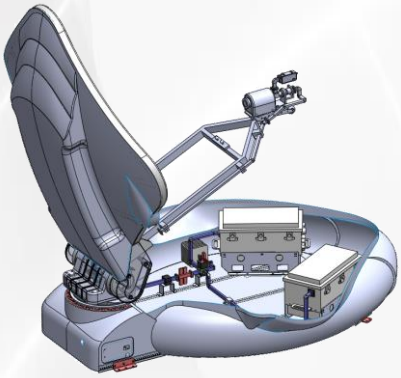
2003 First Big Teleport Project in Europe-Monaco Telecom

2002 WFP Afghanistan Project

2001 First OBVAN Production

2001 First International Project

2000 First Antenna Production



SYSTEM INTEGRATION

We have been installing earth stations all around the world for more than twenty years.

DSNG PRODUCTION

SALES

We have partnerships with major companies in broadcast world.

SVS SATELLITE SYSTEMS PRODUCTS

- Driveaway Antennas
- Fixed Motorized Antennas
- Flyaway Antennas
- Antenna Controller
- HPA Controller
- Redundancy Controller
- Uplink Power Controller
- Positioner

- **4x7.6 m Earth Station Ku Band Antenna Systems Installation For GSM Backbones**
  Turkey
- **2x7.6 m Earth Station Installation**
  Papua New Guinea
- **9.4 m Earth Station Installation**
  Bangladesh
- **4.5 m Earth Station Installation**
  Sudan
- **3x5.6 m Ku Band and DBS Band DTH Systems Installation**
  Kuwait
- **Turksat 11m Monopulse Tracking Retrofit Antenna Installation**
  Turkey
- **Yahlive 4.5m Antenna And Headend Installation**
  Iraq**,** Afghanistan
- **ARABSAT Headend Installation**
  Saudi Arabia
- **ARABSAT 4.5 m Antenna and Headend Installation**
  Mauritania
- **Q-Tel IPTV Installation**
  Qatar
- **7.3 m Antenna Installation**
  France
- **WFP Afghanistan Project**

More than 20 years of experience as a system integrator

SYSTEM INTEGRATION

SVS Satellite Systems has more than 20 years of experience as a solution provider.

We work with satellite and telecom operators, broadcasters, system integrators in satcom and defense industries around the world.

FIXED SYSTEMS

- DTH (Direct to Home)
- TT&C Earth Stations
- Headend Systems
- TV Wall
- VSAT Systems
- IPTV

MOBILE SYSTEMS

- DSNG Vehicles
- OBVAN
- Flyaway Systems
- Driveaway Systems

CUSTOM SYSTEMS

- Custom Military Solutions
- OBVAN and DSNG Systems
- Custom Satcom Vehicles

2x7.6 m Earth Station
Papua New Guinea

GD Satcom 4.5 Metre
Ku-Band
TX: 13 - 14.5
RX: 10.07 - 12.75
ARABSAT, Iraq

ASC Signal 4.9 Metre
DBS Ku Low-Ku
ARABSAT, Saudi Arabia

NWIEE 4.5 Metre
Ku-Band
TX: 13 - 14.5
RX: 10.07 - 12.75
ARABSAT, Mauritania

Ku Band - C Band
Teleyemen, Yemen

Ministry Of Information
Kuwait

Moby TV
Afghanistan

Teleyemen
Yemen

SVS Satellite Systems also works in coach building and mobile uplink vehicles manufacturing business.

As an average of last twenty years, we built 15 DSNG vehicles each year and delivered **more than 250 DSNG** vehicles since 1999.

DSNG VEHICLES

Don’t Struggle With Choosing The Right Product

SALES

Quick Support
High Discount Rates
Product Consultancy

PARTNERSHIPS

CPI Communications & Power Industries asc signal division

ASC Signal™ ASC Signal Corporation

Newtec

L3 narda MITEQ

SPX

AVCOM Of Virginia Inc.

SKYware GLOBAL™

sencore

etl

SMW SWEDISH MICROWAVE AB

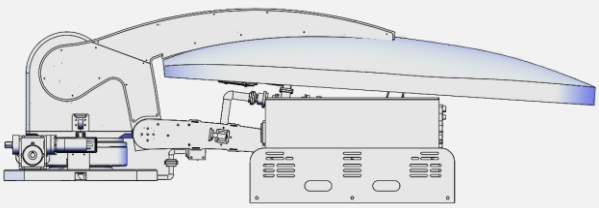
harmonic®

B&Z TECHNOLOGIES INNOVATING TO EXCEL

SVS SATELLITE SYSTEM PRODUCTS

SVS SATELLITE SYSTEM PRODUCTS

- Driveaway Antennas
- Fixed Motorized Antennas
- Flyaway Antennas
- Antenna Controller
- HPA Controller
- Redundancy Controller
- Uplink Power Controller
- Positioner



PRODUCTS

WITH EUTELSAT APPROVED MODELS *

DRIVEAWAY
ANTENNAS

SDC 120 *	SCL 120
SDC 150 *	**SVSAT 78 ***
SDO 120	SVSAT 120

- New universal mechanical design
- High RF performance
- Supports up to 200W amplifier
- Easy integration for amplifiers
- Strong and gapless gear structure
- Outdoor ACU with remote control
- Designed for Ku Band VSAT applications
- Auto-Pointing with 3-axis movement
- Control via tablet, smartphone or PC
- Standart GPS-Compass on antenna
- Easy installation

SCL-120 driveaway antenna system is a easily configured, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications.

Ideally suited for applications that require a quick, simple setup typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

PRODUCTS

FIXED MOTORIZED
ANTENNAS

SM-180 SM-370
SM-240 SM-450

- Precision compression molded offset reflector
- Optional galvanized king post available
- Designed for C, Ku and DBS band applications
- Fully galvanized steel Az/El mount
- Optional tracking system with the beacon receiver or DVB tuner card
- Three axis motorized system

SVS Satellite Systems presents various antenna systems to the market since 1995. As a fixed motorized antenna, SM-240 Transmit-Receive Antenna System is a perfect alternative to the customers. SM-240 which is also supported by AKS-250 antenna controller, has excellent movement ability on three axis. SM-240 is used under difficult conditions for many years and as a result of the outcoming experience, we created perfect matching between SM-240 and AKS-250 antenna controller.

X,C,Ku,DBS and Ka Band

PRODUCTS

MOTORIZED AND NON-MOTORIZED

FLYAWAY

ANTENNAS

SFM CF120
SFM 200-100
SFM 200-120

SFA 200-100
SFA 200-120

- New universal mechanical design
- High RF performance
- Supports up to 200W amplifier
- Easy integration for amplifiers
- Strong and gapless gear structure
- Outdoor ACU with remote control
- Designed for Ku Band VSAT applications
- Auto-Pointing with 3-axis movement
- Control via tablet, smartphone or PC
- Standart GPS-Compass on antenna

SVS Satellite System produces motorized and non-motorized flyaway antennas.

The SFM-200 flyaway antenna is the newest antenna solution for satcom and broadcaster operators. It offers full 3-axis motorized control with manual backup, satellite auto acquisition and tracking system.

PRODUCTS

ANTENNA
CONTROLLER

AKS-250
POINTSAT

- Eutelsat certified auto-pointing
- 3-Axis movement
- Built-in DVB-S/S2 tuner
- Find satellite automatically
- Store 50 satellites for quick re-finding
- Define your limits
- Control via computer
- Secure with admin and user access levels
- English Turkish Menu

FEATURES

Find satellite automatically and peak the satellite you find. Recall last satellite info and direct your antenna automatically. Select a satellite from your list of 700 satellites.

Inclined satellite orbit tracking (with software license option).

DVB TUNER

AKS250 can track satellites thanks to the DVB tuner inside by referring to a carrier signal or a beacon receiver. Tracking can be achieved with two methods: Step Track and Memory Track.

Manual and auto movements are on the same screen.

There are PC via Ethernet or Serial (RS232/485) port options for remote control.

It also features RF output activation after peaking completes.

PRODUCTS

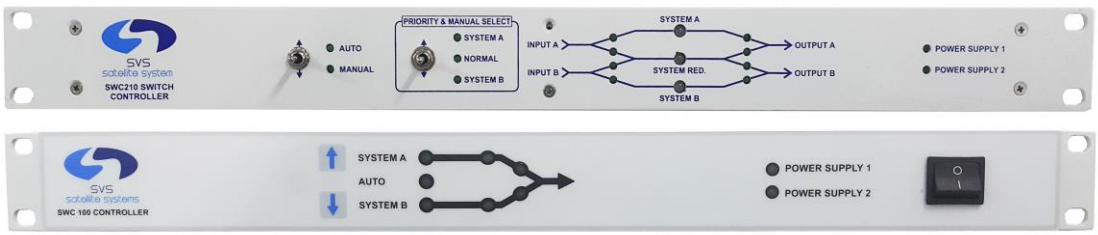
HPA
CONTROLLER

UHC-402

- UHC-402 monitors 2 HPAs simultaneously and controls the active HPA.
- It provides redundancy for connected HPAs.
- It has both visible and audible alarms for fault and alarm status, which you can reset anytime.
- Transmit, Standby, RF on and RF Off status of HPAs are indicated by separate LEDs.
- Using dedicated buttons, it is easy to switch into different modes of RF On, RF Off, Transmit, Standby.
- It is possible to monitor device logs and monitor and update most of the major parameters of the device.
- With the help of its wide screen, it is possible to monitor redundancy state and output and reflected powers of both HPAs simultaneously.

PRODUCTS

REDUNDANCY
CONTROLLER



SWC-210	SWC-100	SWC-150
▪ 2:1 automatic and manual switch ▪ 2:1 redundancy control ▪ Can be used for all uplink and downlink systems ▪ Checks the alarm status of devices in 2:1 systems and switches the device to output safely and quickly ▪ Controls any device with alarm output ▪ DC-18 GHz & W/G switch	▪ Automatic and manual switch ▪ 1:1 redundancy control ▪ Easy to use ▪ Monitors active and passive devices and the general status via LEDs ▪ Compatible with a wide range of devices ▪ Control via ethernet ▪ DC-18 GHz & W/G switch	▪ Manual switch ▪ A manual switch provides up to 4 different switch control inside one case ▪ Different switch combinations ▪ Suitable for maintenance, polarization switch, measurement and combination applications ▪ Control via ethernet ▪ DC-18 GHz & W/G switch

PRODUCTS

UPLINK POWER
CONTROLLER

UPC-110

- HPAs, modulators or upconverters can be used as power control device.
- An external receiver can be used instead of the interval receiver.
- In case of a failure in the connection with power control devices, locking to the reception signal or power overload the UPC 110 alerts you with an alarm.

UPC-110 keeps downlink signal stable at the previous adjusted level, by increasing or decreasing output level of the power control unit according to the reference level of the internal or external receivers.

In 1:1 redundancy systems UPC- 110 keeps output signal levels of both the device on air and the redundant device at the same level by adjusting output levels in accordance with each other.

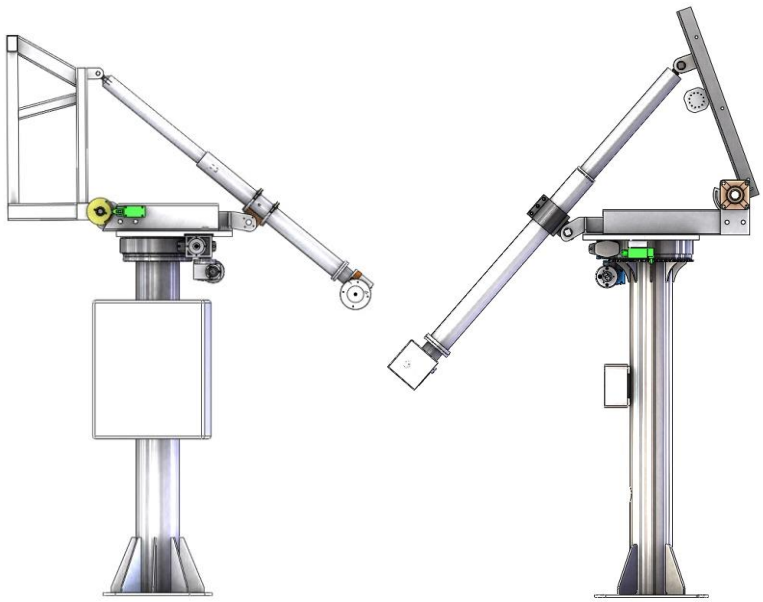
Maximum power changing can be limited. Limits of intervention, control density and alarm levels can be configured.

UPC-110 logs alarm status and intervention to the output level, with date and time info. (Max. 512) Logs can be transferred to Computer.

UPC-110 is remote manageable via serial port (RS232 or RS485) or ethernet port. UPC-110 has its PC control software.

PRODUCTS

LIGHT, MEDIUM AND HEAVY
POSITIONERS

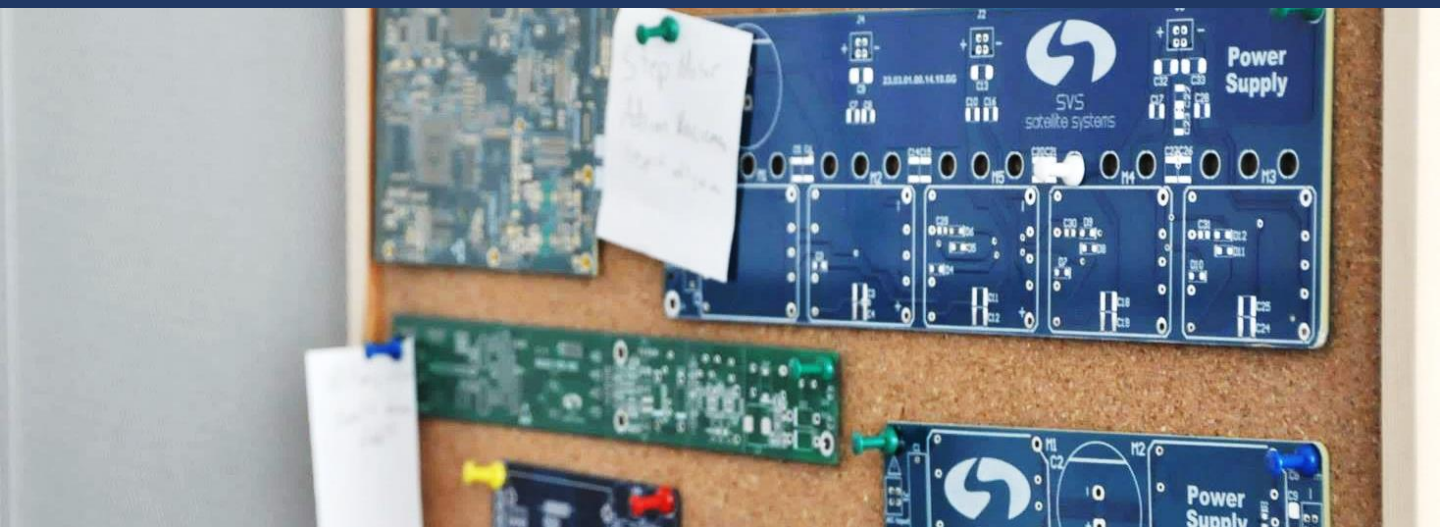


- Robust
- High performance
- Zero backlash gear
- EL over AZ movement
- Zero backlash jack for EL
- Zero backlash gear for AZ
- Easy installation
- AKS-250 control unit

Azimuth and elevation control for 3m to 5.5m antennas, control unit, mechanism, suitable for outdoor use, robust mechanical structure

- LIGHT: 1m to 1.5m antenna
- MEDIUM: 1.8 to 2.4m antenna
- HEAVY: 3m to 5.5m antenna

RESEARCH & DEVELOPMENT



SVS Satellite Systems started research and development (R&D) operations making mechanical R&D investments with the purpose of developing its own antenna system and it has also electronical R&D operations going on with the incremental R&D budget since 2002.

Now, the company has 15 years corporate experience on satcom business as an R&D center and more than 50 unique products developed by its own resources.

SVS Satellite Systems has know-how on;

- Software Development
- Hardware Development
- RF Design

with experienced and qualified R&D team.

We Develop For You

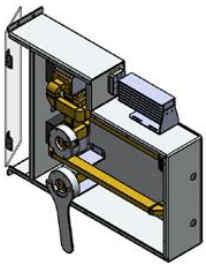
CUSTOM PRODUCTS

SOME OF OUR CUSTOM PRODUCTS

RFACC PLATFORM

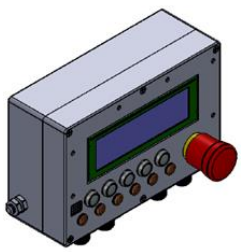
TURKISH AIRLINES

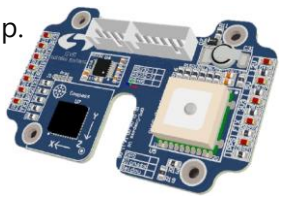
RFACC is a system which delivers electromagnetic signal in desired frequency and power. It was developed to test electronic systems in planes.



WAVEGUIDE SWITCHING SYSTEM

X Band signal is redirected to a load or to one of the two outputs via waveguied switches with the help of this device, which was designed for a military ship.





CUSTOM ANTENNA CONTROL SYSTEM

A fully motorized antenna system which can move antenna in horizontol and vertical directions and whose location can be changed easily.

SERVICE AND MAINTENANCE

ELECTRONICS

SVS Satellite Systems has the power of partnership agreements with global brands on satcom devices as a global technical support center and provider. Some of these global are as follows;

Ericsson, Harmonic, Newtec, ETL, CPI, Teledyne Paradise Datacom, etc.

We have also partnerships with Thompson, Newtec and CPI(formerly MCL) as a global authorized technical support center on behalf of these brands.

MECHANICS

SVS Satelite System has the ability to implement any type of vehicle project for different vehicle types, application areas and chassis types that the company has already completed. It also offers you to design and manufacture custom mobile satcom vehicles in accordance with your requirements.

FOR MORE THAN 20 YEARS

Focused On
Customer Satisfaction And Problem Solving

SVS
satellite systems

www.svstelekom.com.tr

Tel +90 216 329 56 00 Fax +90 216 329 02 99

Esenkent Mah. Baraj Yolu Cad. Emirgan Sok. No:3 34776
ÜMRANİYE / İSTANBUL, TURKEY