

"BISEM" JSC

Moscow

Owners:	100% natural persons
Staff:	5 persons - staff workers, 5 persons - recruited workers
Previous financing:	(total): \$ 0, including own funds \$ 0 , raised funds \$ 0
Current financing:	\$ 0, including own funds \$ 0, raised funds \$ 0
Volume of investment required:	\$ 2,000,000
Required financing will be used for:	Termination R and D work stage - 25%, Marketing researches and statement of manufacture - 75%

Company profile

The "BISEM" company (Moscow) is established in 1996 as an independent research company for creation of new scientific and technical production and realization of development's results to the final industrial products.

Area and directions of activity

Development and manufacture of compact aerials of new generation based on unique composite materials with the special electrophysical properties for ground, air and satellite communication systems of various functional purpose.

Products/Services/Technologies

Production of the enterprise is a scientific and technical development and manufacture of compact aerials (up to 30 times smaller size) on the basis of a new material with the higher radio engineering characteristics. Above mentioned development is a novelty in the world practice and covers a wide spectrum of possible application directions:

1. Compact aerials, including suppressed (flat), for aircraft and surface mobile and stationary facilities (on-air television link and radio communication, satellite, cellular, paging, radiotelephone, intercomputer communication, scanners, security systems, monitoring of mobile transport etc.)
2. Compact elements of feeder devices of transmitting and retransmitting telecasting and radio stations (circulators, phase shifters, absorbers etc.)
3. Narrow-type application ranges.

At the moment, the enterprise manufactures flat television dielectric aerials (about 60 mm. by a diameter) used for receiving television programs of meter and decimeter wave-lengths ranges. Supercompact aerials with the amplification of 18 dB (size 65x65x140 mm.) are developed for the operating frequency range of 2,5 - 2,75 GHz (MMDS-systems). This range of frequencies is widely used for various systems of communication, transmitting and retransmitting lines. Today, the new satellite communication aerials type means 5 - 10 times decrease of overall dimensions and weight of aerials, and solves also a number of problems of traditional satellite aerials.

Achievements

The main achievement of the "BISEM" company is the opening of completely new direction in the field of aerial-feeder devices, creation aerials using new principles. Manufacture of some types of aerials and construction of dealer network is started. Joint-stock company "BISEM" is the winner of the competition between Moscow's small enterprises "Moscow businessman - 98", the participant of the All-Russian and international exhibitions:

- the VII Moscow industrial "Moscow and regions. Cooperation and collaboration" exhibition, September, 2001 - Silver medal;
- the II Moscow International Exhibition of innovations and investments, February, 2002 - Gold medal.

Prospects of Development

Termination of necessary R and D works will allow to start a wide-ranging production of new generation goods, to work up

to 20-25% of the market of aerial-feeder devices of various destinations during first 2-3 years after beginning of manufacture, in case of providing by adequate volumes of manufacture and competent informational-advertising and price policy.

The main stages of development of the company mean: termination of R and D works; patent of new developments; transition to mass production; advertising; organization of sales; expansion of the nomenclature; maintenance of production quality at a necessary level; the account of a consumer demand on the basis of marketing researches.

Sales volume (over the last 12 months): \$ 35,000

Year	Without investments requested	With the investments requested
2002	\$ 40,000	\$ 150,000
2003	\$ 65,000	\$ 1,500,000
2004	\$ 100,000	\$ 5,000,000
2005	\$ 200,000	\$ 7,000,000