

AMOS: All-sky Meteor Orbit System

TECHNOLOGY DEVELOPED AT THE FACULTY OF MATHEMATICS, PHYSICS AND INFORMATICS OF THE COMENIUS UNIVERSITY

STATE-OF-THE-ART CONSTRUCTION

- Modular automatic system for monitoring of moving sky objects
- Allows for effective full-spectrum video recording of the sky
- System consists of mechanical parts and a software control system
- BACKGROUND INFORMATION
- Award-winning technology GOLD MEDAL at the INVENTO Prague 2013 expo

WIDE RANGE OF APPLICATIONS -

- Invention applicable in the field of sky monitoring, especially for detection of moving objects
- Capable of precisely detecting various objects ranging from meteors to airplanes
- MONITORING SYSTEM FOR CIVIL AND DEFENSE SECTORS
- Predominately used for security purposes or monitoring in various fields, including meteorology, geophysics, air surveillance or leisure

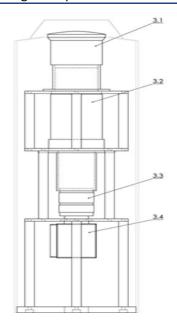
COMPETITIVE

- Fisheye lens technology enabling accurate all-sky (180°) monitoring
- Increased sensitivity of video recording thanks to the built-in image amplifier
- FULL SPECTRUM VIDEO MONITORING SYSTEM
- Protection and cooling mechanism
- Possibility of installation of additional components Control software ensuring automatic operations
- High mobility of the system with total weight of 6.5 kilograms and possibility of mounting on airplanes

TECHNICAL DETAILS

PROTOTYPE OF THE AMOS

3.1 Fisheye lens
3.2 Outer housing
3.3 Digital video camera
3.4 Heating apparatus



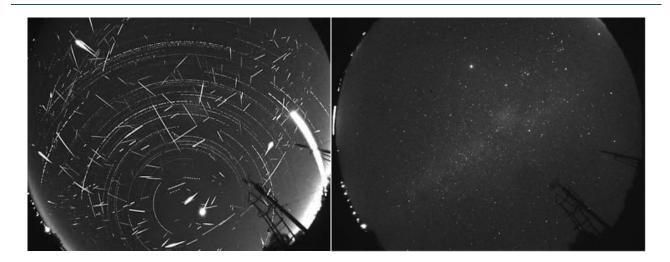
UNIQUE INTEGRATION OF MODULAR PARTS INTO THE ALL-SKY MONITORING SYSTEM

STAGE OF DEVELOPMENT _

- Design pattern for Czech and Slovak Republic
- PCT patent application pending
- First prototypes installed for scientific purposes in 2007

TECHNOLOGY READY FOR LICENSING OR SALE

 Prototypes are currently employed in international projects within Europe



INVENTORS WITH INTERNATIONAL EXPERIENCE

TECHNOLOGY DEVELOPED BY A TEAM OF SCIENTISTS AT COMENIUS UNIVERSITY

- Inventors RNDr. Juraj Tóth, PhD., Ing. Pavol Zigo, PhD. and Dušan Kalmančok
- Research team from the Department of Astronomy and Astrophysics of the Comenius University with combined experience of more than 20 years
- Membership in International Astronomical Union and International Meteor Organization
- Collaboration on research projects in Europe

THE INVENTORS ARE LOOKING FOR AN INDUSTRIAL PARTNER TO SELL OR LICENSE THE AMOS TECHNOLOGY

FOR MORE INFORMATION PLEASE CONTACT

Bohdan Hemzal +421 911 825 092 hemzal@neulogy.com The proprietor uses services of Neulogy, a Bratislava-based consultancy, to market its technology.

