

Sky-On-Wheels



The Sky-On-Wheels Project by Infovision Group of Companies

Sky-On-Wheels: The Mobile Digital Planetarium

Concept & Objective

Infovision has introduced a new concept of Mobile Digital Planetarium - Sky-On-Wheels, as a part of popularization of Astronomy and Science in India. We have taken one step ahead to fulfill our goal of reaching each and every child of our country. It is designed to be a Portable Educational Environment for topics - Ancient history, Archeology, Astronomy, Biology, Earth science, Natural history, Science Fiction etc. Sky-On-Wheels is also one of the best tools for Corporate Social Responsibility (CSR) activity.

What is Sky-On-Wheels?

Sky-On-Wheels is a movable planetarium in the shape of a dome that transports you to the outer world by providing a realistic experience. It is the perfect, most effective and professional tool to educate students in a three dimensional environment that significantly aids real cosmic understanding. With a Full dome, pre-rendered, high-definition video playback and Real-time 3-D computer graphics, one can view more than 200 real-time astronomical demonstrations. Be it a tour of the night sky highlighting constellations, planets and conjunctions, exploring the solar system, planets and their moons, journeying beyond our solar system to see how far radio and TV waves have leaked into space, or traverse millions of galaxies and span millions of light years.



It takes 60 minutes to setup Sky-On-Wheels Planetarium. The air conditioned inflatable dome can accommodate 35-50 children in small dome (5 or 6 meter diameter) and 80-100 children in large (8 meter diameter) dome in one show. During School hours, 500-1000 students can see the show in a day. School can choose any show from our list or can have live astronomy shows conducted by educators and astronomers. Special shows based on the school syllabus are also available in all Indian regional languages. Customer are required to provide dust free, proper air ventilated and clean indoor space / hall to install this Planetarium. The minimum area required to install the system is 16ft W x 16 ft L x 12 ft H for (5 meter) and 35ft W x 35ft L x 22ft H for (8 meter) dome.

Why Sky-On-Wheels?

Till date, the quality, performance, and spectacular content found in larger planetariums have been completely out of reach for small portable, mobile planetariums. But now, with the help of Digistar Lite - Digital Revolution, children can avail planetarium experience in their school or town.



With Mobile Digital Planetarium, there are no longer headaches of organizing a field trip to an offsite planetarium. Sky-On-Wheels can even reach to children in the villages and give them the same experience and education available in bigger planetariums.

Astronomy education is easier with planetariums so children at rural areas are also benefited with portable system. Sky-On-Wheels can not only be conducted at any available time but also can run on portable Power Generator, if electric power supply is unavailable in town.

Apart from Astronomy shows, the Sky-On-Wheels also has the shows related to Earth Science such as pollution and global warming. These shows are useful and easy to understand for the rural area's children.

The deliverable of Sky-On-Wheels:

This Mobile planetarium fits in six (6) hard carry cases, which can be carried in a van. This includes :



A. Digistar Computer with Software

B. High Resolution DLP projector

(Native resolution 1400 x 1050 or 1920 x 1200, Brightness 7500 ANSI lumens)

C. Specially made Fisheye lens

D. Vertical Door Inflatable dome of eight (8) meter diameter
(5 meter for small place)



E. Air Blower

F. Portable Air Conditioner 1 Ton (optional)



infovision Sky -On-Wheels is a Project by Infovision who has set up more than 35 fixed Digital Planetariums in India. Some of them are Nehru Planetarium- Mumbai, Birla Planetarium – Hyderabad, Science Centre – Surat, Pilikula Regional Science Centre – Mangalore, National Council of Science Museum – Kolkata, Pushpa Gujral Science City – Jalandhar, Pathani Samanta Planetarium – Bhubaneswar, Kokrajhar Planetarium-Assam, Jawahar Planetarium- Allahabad , Aryabhata Planetarium – Rampur, Abdul Kallam Planetarium – Burla and many more.

E&S Sky-On-Wheels is based on the world's most advanced digital Planetarium system; - Digistar 6, Manufactured by Evans & Sutherland Computer Corporation, USA. The technology combines a complete color star projection and astronomy package with full dome video playback and digital surround sound. It also offers real-time rendered and textured models making it easy to create meaningful, fun, and educational experiences in the 3D universe. The database is based on the Digital Universe dataset from AMNH and NASA. Just feed the longitude, latitude, the date and time, you will get the actual true sky of that place on the dome! Sky-On-Wheels comes with a rich set of astronomical objects and a selection of full-dome video shows. Please visit shows section to check available shows. The shows are available from 10 minutes to 42 minutes duration. Shows are available and suitable for all Grades. Some of the planetarium Shows are based on STATE BOARD, CBSE, ICSE and NCERT Syllabus.

We have touched more than 100000+ students' lives across India through our outreach program to popularize Astronomy & Science in India. Some of our Esteemed Clients:

- Shantiniketan Educational Institutions, Bengaluru
- Regional Education Centre, Bhopal
- Abhyudaya School, Chhattisgarh
- Sudha Devi Trust, Chhattisgarh
- Podar International School, MP
- Muthayammal Engineering College, TN
- Seventh-day Adventist, Kolhapur
- Sacred Hearts School, Kolhapur
- Chinmaya Vidhyalaya, Mumbai
- Ramniranjan Junjunwala College, Mumbai
- Holy Angels School, Mumbai
- St. Therese Convent High School, Mumbai
- Homi Bhabha Centre for Science Education, Mumbai
- Gundecha Education Academy, Mumbai
- St. Xavier's College, Mumbai
- New Cambridge School, Mumbai
- Bombay Scottish School- Mahim, Mumbai
- Magarpatta City Public School, Pune
- Vidya Pratishthan Institute of Information Tech, Pune
- Delhi Public School, Pune
- Air Force School, Pune
- Girishan Prashala & Junior College, Pune
- National Institute of Technology - Warangal,
- Karnataka Science & Technology Promotion Society (KSTePS) – Bangalore
- Council of Science & Technology , Uttar Pradesh
- Council of Science City, Ahmedbad

Some of Exclusive Sky-On-Wheels Planetarium Shows



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Show Production Studio

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Planetarium Show Producers & Distributors

