

Your generosity made these program accomplishments possible in the last five years:

11,639,365

ADULT AND PEDIATRIC SCREENINGS/
EXAMINATIONS ADMINISTERED

115,350

DOCTORS AND OTHER MEDICAL
PROFESSIONALS TRAINED

340,821

ADULT AND PEDIATRIC
EYE SURGERIES PERFORMED

ABOUT THE
MD-10-30F

orbis

A POWERFUL FUSION OF
MEDICAL & AVIATION TECHNOLOGY

GET INVOLVED

Make a donation to Orbis & join us to fight blindness.

\$

☐ Monthly

☐ One-time

☒ Please find enclosed a check made payable to Orbis

DONATE BY CREDIT CARD

☒ Please charge my:

☐ Amex

☐ MC

☐ Visa

☐ Discover

CARD NUMBER

EXP

/

CCV

Name as it appears on card:

Signature:

CONTACT INFORMATION

Name:

Adress:

City:

State:

Zip:

Phone:

Email:

Orbis International, 520 8th Avenue, 12th Floor New York, NY 10018

1.800.ORBIS.US

www.orbis.org

HOW WE WORK

In a world where millions go blind every year because they can't get the care and services they need, Orbis is an international non-profit that brings the world together to fight blindness. With the help of concerned people like you, we train healthcare professionals how to save and restore vision, improve and expand eye health systems so everyone can receive care, and help convince people, their governments and global policy makers to make fighting blindness a priority. We're uniting the world so that we can work as one to make sure no one loses their sight to a preventable, curable disease.

ABOUT THE FLYING EYE HOSPITAL

On the outside, it may look like any other aircraft, but inside, it's like no other. The Flying Eye Hospital is the world's only ophthalmic teaching hospital onboard an MD-10 aircraft. It features a state-of-the-art, fully accredited eye hospital with 3D broadcast technology that can transmit live surgeries around the world. Thanks to compassionate people like you, the Flying Eye Hospital not only provides a platform to train doctors, but also serves as a powerful tool for raising awareness, creating change and bringing local governments and global organizations, major donors and everyday people together in the global fight to end blindness.

WHY VISION?

Orbis focuses on treating blindness in developing nations for three reasons.

First, vision empowers. One of the proven, most cost-effective paths out of poverty is access to quality eye care.

Second, vision is a catalyst. Your investment in Orbis multiplies from individuals to families to communities to nations.

Third, it's a goal within reach. Eighty percent of the world's visual impairment is preventable or reversible. Together, we can do this.

HISTORY OF THE FLYING EYE HOSPITAL

When Orbis started, the expense of tuition and international travel prevented most doctors and nurses in developing countries from training overseas. Our founders and donors brought the school to the doctors, by building a Flying Eye Hospital into the frame of a DC-8 model aircraft, taking flight in 1982. The second model of the Flying Eye Hospital, the DC-10, took flight in 1994. Now 33 years later, the unique and lasting alliance of the medical and aviation industries that created Orbis has come together once again to create our third generation Flying Eye Hospital onboard a MD-10.

The MD-10 aircraft was **generously donated by FedEx** and has been custom refitted to make it one of the most innovative planes in the sky!

The **hospital rooms** are designed as compartmental rooms known as modules, which enable the hospital to be shipped as cargo. This eliminates the need to certify medical items for flight, lowering costs and simplifying maintenance.

The **cockpit is digital** (as opposed to analog on the DC-10), which lowers the number of crew members needed from three to two.

The aircraft has a range of 6,000 nautical miles that enables flight crews to **complete transatlantic flights**.

The Flying Eye Hospital is **accredited** by the American Association for Accreditation of Ambulatory Surgery Facilities International (AAAASF), making it the only non-land-based hospital to achieve this standard.

A unique **3D camera system** demonstrates surgical techniques three-dimensionally for medical professionals in the onboard classroom, giving them the same quality view as if they were looking down the surgeon's microscope.

Additionally it has the capability to **stream live surgical training** sessions to classrooms around the world, giving remote doctors the ability to ask the surgeon questions in real time.

The **MD-10** would not have been possible without the passion and financial support of all our donors, especially: **Mr. Al Ueltschi**, who kick-started our fundraising efforts with his generous leadership gift; the **Yuen Yee Charity Foundation**; and **USAID** for their generous support.

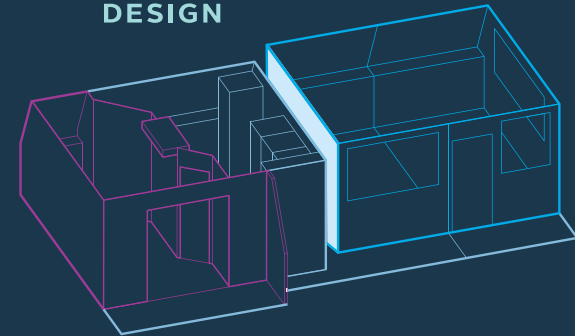
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THE ORBIS MD-10



MODULAR DESIGN



FLIGHT DECK

CLASSROOM

ADMINISTRATION ROOM

AUDIOVISUAL / IT ROOM

PATIENT CARE & LASER ROOM

OBSERVATION ROOM

OPERATING ROOM

STERILIZATION / SUBSTERILE ROOM

PRE- & POST-OPERATIVE CARE ROOM

BIOMEDICAL WORK AREA

REGISTRATION
N330AU
SERIAL NUMBER
46800
WING SPAN
165 FT. 4 IN.
LENGTH
181 FT.
ENGINES
3 GENERAL ELECTRIC CF6-502C

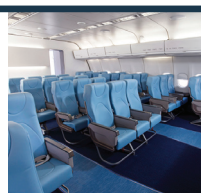
FLIGHT DECK

- Upgraded digital flight deck
- Requires a Captain and First Officer to fly
- 6,000 nautical mile range
- Flown by volunteer FedEx pilots



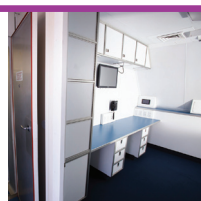
THE ALCON CLASSROOM

- 46-seat onboard learning hub
- Two-way microphone for real-time interaction with surgeon in Operating Room
- 3D camera provides microscopic view of live surgery



HO MAN FAT FOUNDATION ADMINISTRATION ROOM

- A modern office-style working environment
- Provides a comfortable working environment for staff and Volunteer Faculty



EMPEROR FOUNDATION AV/IT ROOM

- Links all activity onboard the aircraft to the Classroom, the Internet and the world
- Telecommunication, audio, video, sound recording and duplication provided by Crestron Touch Screen Interface



L'OCCITANE PATIENT CARE & LASER ROOM

- Extensive laser treatment training is conducted here (laser surgery does not require a sterile environment)
- Procedures can be broadcast to the Classroom



GRACE TSAO OBSERVATION ROOM

- An extension to the Patient Care & Laser Room
- Visitors can see live operations taking place in the adjacent Operating Room



YUEN YEE OPERATING ROOM

- The center for all hands-on, one-on-one training between Orbis Volunteer Faculty and local medical professionals
- Located directly over the MD-10's center wing box for optimal stability



YUEN YEE INSTRUMENT STERILIZATION ROOM/SUBSTERILE ROOM

- Nurses learn how to sterilize instruments for surgery, use ophthalmic tools, scrub correctly and prevent infections
- Has a designated dirty room, clean room and storeroom
- Complies with International hygiene and airflow standards



FEDEX PRE- & POST-OPERATIVE CARE ROOM (RECOVERY ROOM)

- Where patients are prepared for surgery, and recover after the procedure
- Local nurses work with Orbis nurses in this room to enhance their patient care skills



BIOMEDICAL WORK AREA

- Houses workspace and tools for the biomedical engineers in charge of all onboard diagnostic, surgical, anesthesia, laser and patient monitoring equipment



TEDDY BEARS

- Kindly sponsored by OMEGA the Orbis Flying Eye Hospital carries an important cargo of teddy bears
- These teddy bears are given to every pediatric patient to offer comfort

