



AMERICAN

HOSPITAL TBILISI

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### CASE STUDY

CLIENT: American Hospital,  
Tbilisi, Georgia

SECTOR: Healthcare

PROJECT: Vii Fire fire curtains

APPLICATION: Compartmentation and  
Corridor Separation

INSTALLATION BY



[www.7code.org](http://www.7code.org)



**coopers**

EST. 1983

LEADING THE WAY IN FIRE PROTECTION

# FIRE CURTAINS ALLOW A MODERN DESIGN TO NEW HOSPITAL

## WHAT TYPE OF FIRE PROTECTION WAS THE CLIENT LOOKING FOR?

The American Hospital Tbilisi was founded with the support of the United States International Development Finance Corporation (DFC) and in conformity with Georgian state interests.

The project is the result of a \$50 million foreign direct investment implemented based on the agreement between the United States and Georgia. The stakeholders are the Georgian Ministry of Economy and Sustainable Development, the US Agency for International Development Finance Corporation, together with several medical institutions interested in medical and scientific research.

American Hospital Tbilisi (AHT) has 183 beds (wards), a total area of 25,000 sqm, providing services in accordance with international standards. The hospital operates on a modern governance model that emphasizes patient-centered, high-quality medical care. This truly reflects the ambition of AHT to set a new landmark on the map of Georgian medical services.

The multi-profile hospital, with five Centers of Excellence, including a Heart, Vascular, and Lung Disease Center, Neuroscience & Neurology, Advanced and minimally invasive surgery, Orthopedic center, and obeys the concepts of western hospitals and provides patient-centered, high-quality services.

The centers are headed by the high-class professionals of Georgian medicine and with their involvement, AHT cooperates with Georgian, Turkish, and US university clinics.

## HOW DID COOPERS HELP?

Initially Glass sliding doors were used to separate the corridors, but this was not acceptable within the fire strategy. Rather than replace the sliding doors for Fire doors, Coopers Vii Fire fire

“ The ViiFire fire curtains allowed us to keep the modern and open plan designs of this state of the art hospital ”

curtains were installed on the opposite side to be activated in conjunction with the fire alarm.

The curtains were set to a split drop to achieve a protection from fire and smoke spread, to allow hospital beds to evacuate the building before descending to their full operational position as a fire barrier.

Emergency egress buttons were added as a precaution, to allow anyone trapped behind the curtain to escape.

## BENEFITS

The main benefit of the Vii Fire fire curtains used at American Hospital is to provide smoke control and stop the spread of fire within the hospital, allowing patients to safely evacuate the building.

The added advantage was the Vii Fire was in keeping with the open corridor modern feel of the interior fit out.

The alternative to have fire doors, which would narrow the corridors and be subject to wear and tear was not desirable for the directors of American Hospital in place with modern tall building construction.

## KEY BENEFITS

- Provides smoke control and safe evacuation
- Allows open plan, modern designs
- Bespoke engineering available
- Manufactured by Coopers in the UK under BS EN ISO 9001 and 14001 systems



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As such we reserve the right to change design and specifications without prior notice.

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