

## How to get a Fire Certificate showing your premises are compliant

Ensuring your business premises are compliant with fire safety legislations is essential. Section 6 of The Mauritius Fire and Rescue Service (Fire Safety and Fire Certificate) Regulations 2018–GN No.134 was released in 2018 with amendments brought with respect to the obtention and renewal of fire certificates for premises.

Mauritius Fire and Rescue Service (MFRS) requires that all new buildings acquire a fire certificate to operate. For existing buildings, fire certificates must be renewed as per the deadline set by MFRS. The application form can be downloaded online and must be dully filled with accurate information.

The following documents must be submitted together with the application form:

- A copy of the Certificate of Incorporation or Business Registration Card
- The location and site plans showing all the buildings part of the premises
- Architectural plans of each floor of the premises showing:
  - locations of exits and staircases
  - locations of fire extinguishers mentioning their type and capacity & other fire-fighting facilities including hose reels, dry riser, wet riser, sprinkler systems, if available
  - locations of break-glass call points, fire detectors, siren and control indicator panel
  - locations of explosive or highly flammable materials or dangerous chemicals used or stored, if available
- The layout plan for inflammable liquid and substances
- Line drawing of storage area of inflammable gas (including dimension)
- **All drawings submitted for application for renewal of fire certificate must reflect all the changes made to the premises.**
- A project write-up describing the premises, its occupancy, fire protection and safety features (for new construction)
- Tenant list mentioning their activities carried out and the number of occupants likely to be present at any one time
- Copy of Commissioning/Maintenance Certificate for the fire alarm system stating the relevant standard to which it has been tested after installation
- Copy of Maintenance Certificate for the fire extinguishers
- Material Safety Data Sheets for any hazardous material or highly flammable materials stored or used

MFRS will usually carry out a check of the premises before issuing the certificate and may request the applicant for certain amendments to the premises for compliance.

## BIM IN REVIEW

### Seeing is understanding

Construction projects are now increasingly complex, and with the complexity comes a need for even closer coordination. One prominent application of Augmented Reality (AR) in BIM is the Onsite Visualisation of a project during the construction stage.

Combining AR hardware (goggles and sensors) and software with BIM models on site enables workers in construction to understand more easily where materials should be laid, where walls should meet and where doors should be placed. It also helps in identifying routing such as HVAC ducts, water pipes and electrical conduits before placement. This allows for fewer installation errors and construction tasks are likely to get executed faster. Construction issues can also be addressed in real time, saving time and resources.

The benefits of AR technology with BIM for engineers and field workers alike are limitless and we are busy testing the possibilities. Stay tuned for more news on our AR and MR services.

