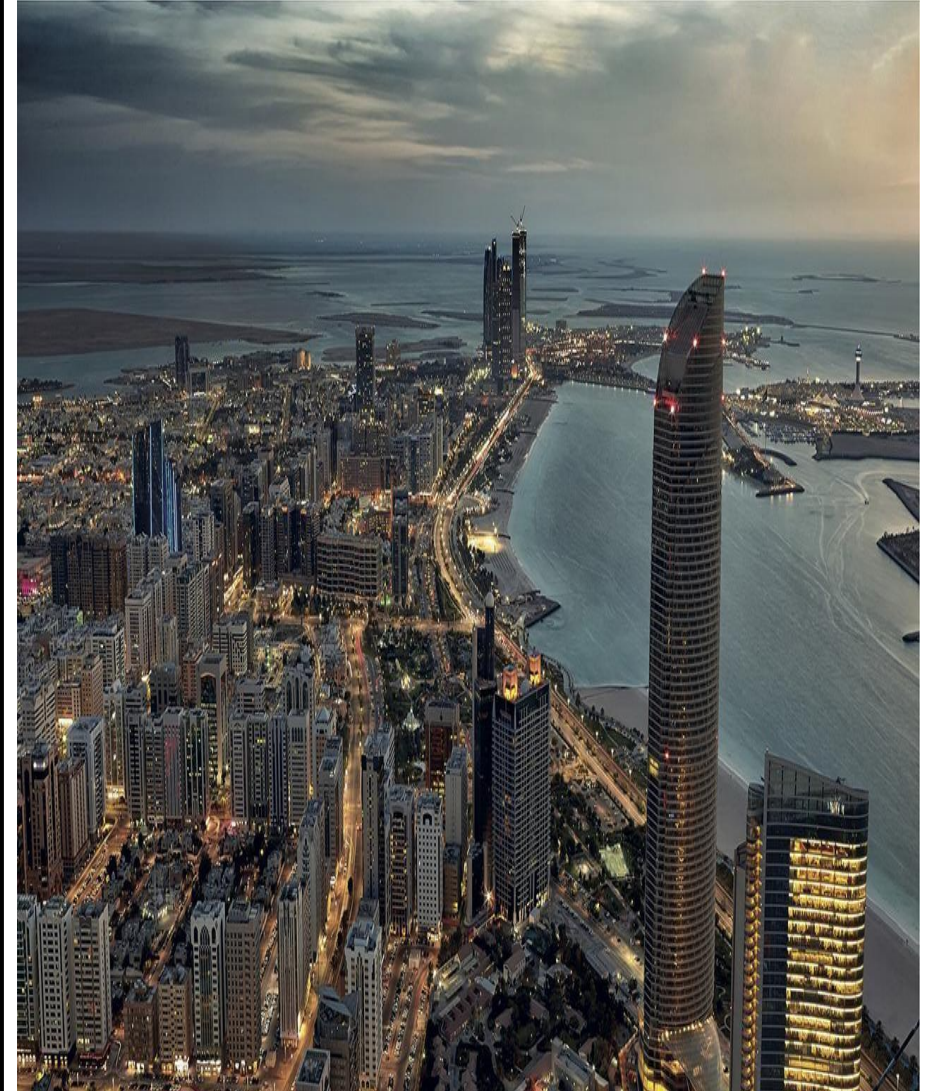


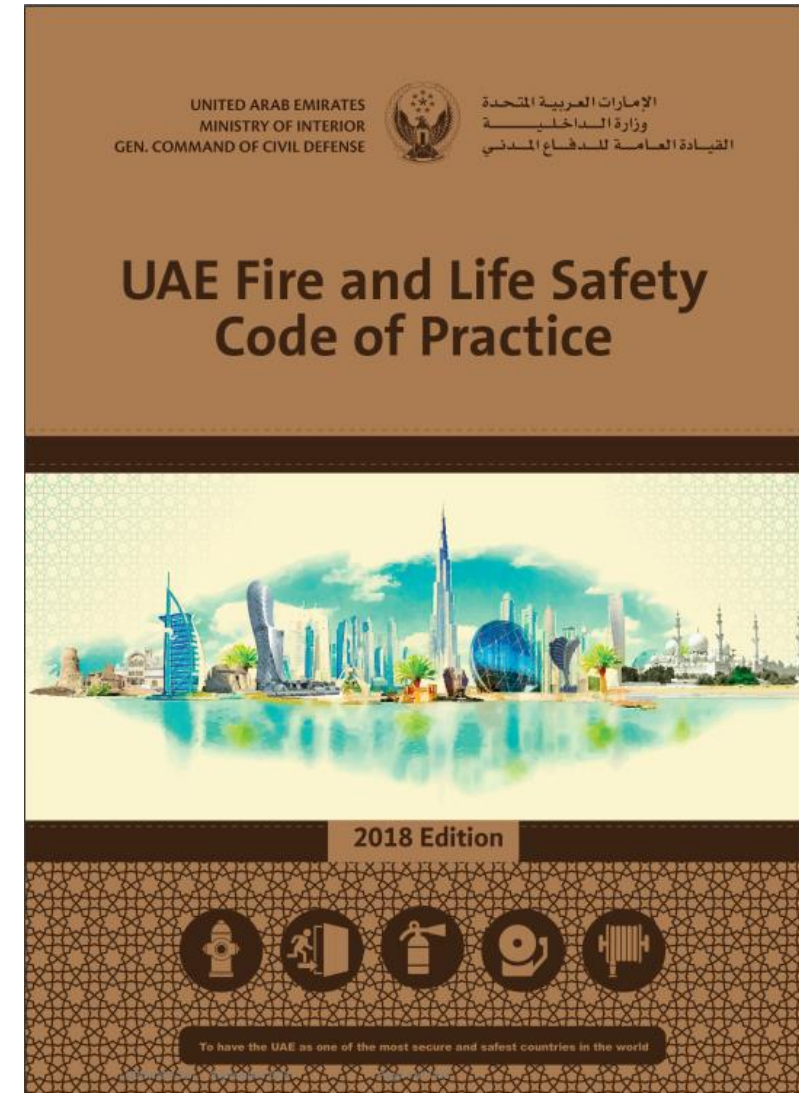
Why Firestop Systems Are Critical

- Prevent the spread of fire and smoke
- Protect building occupants and assets
- Required by UAE Fire Code and international standards
- Ensures compartmentation in fire-rated walls and floors



Current Requirements for Firestop Systems

- Suppliers must provide firestop systems that meet listing standards
- Systems must be tested and certified according to:
 - UL, EN, ASTM and FM listing standards
- Only approved systems are permitted in Abu Dhabi



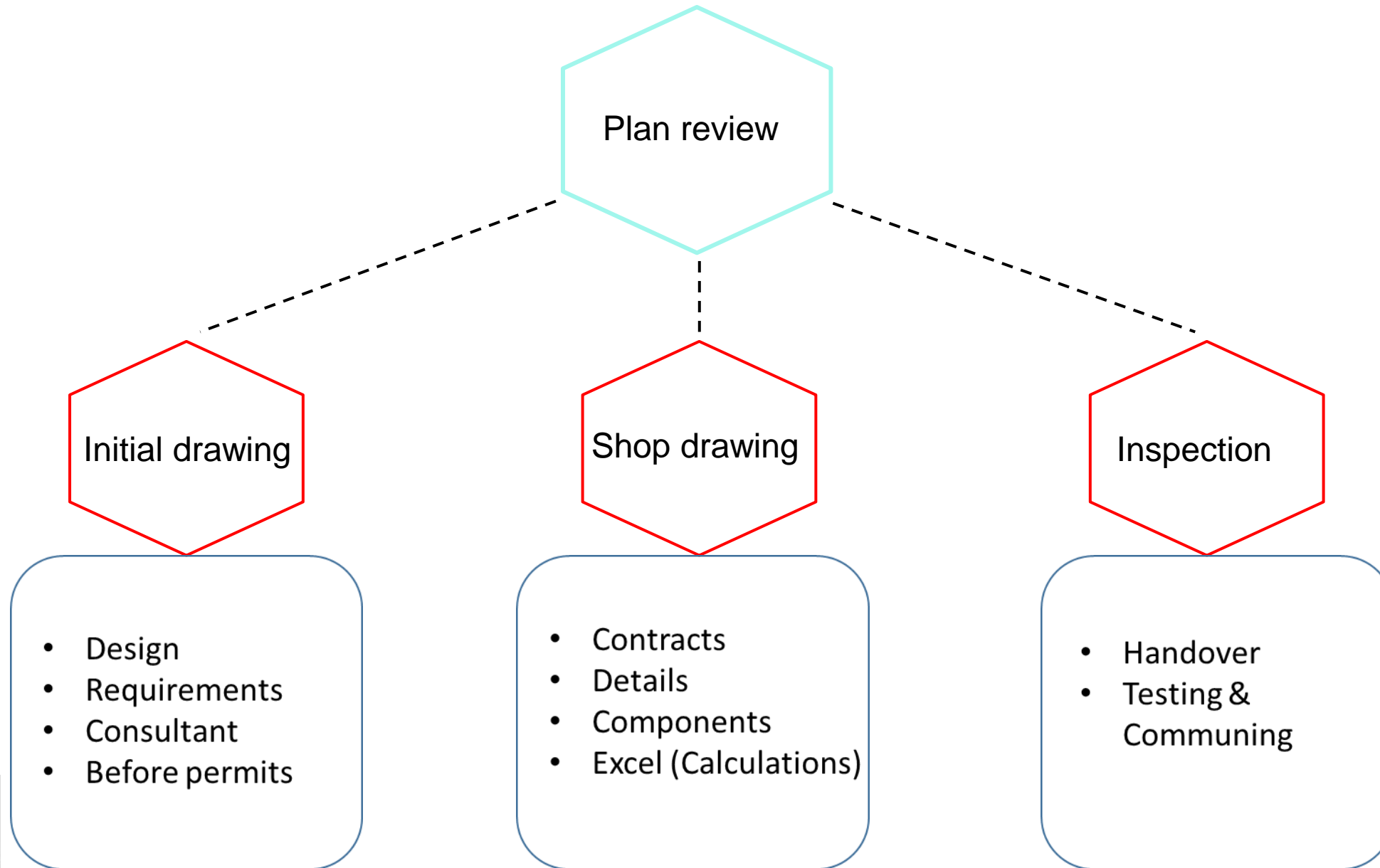
Role of Firestop System Suppliers

- Suppliers provide tested and listed firestop systems
- Must comply with UAE Fire Code
- Must provide documentation proving system compliance

Class G Contractor Requirements

- Must have qualified engineers and technicians
- Must demonstrate experience with certified firestop systems
- Must submit compliance documentation to ADCDA

PERMITS



Class G Contractor Requirements

- Must have qualified engineers and technicians
- Must demonstrate experience with certified firestop systems
- Must submit compliance documentation to ADCDA

Step 1: Initial Drawings Approval

- Contractors submit FLS drawings for review
- Doesn't include Firestop and through penetration details.
- Compliance with UAE Fire Code is verified

Step 2: Shop Drawings Approval

- Letters of the suppliers and contractors of systems are submitted.
- ADCDA verifies that only approved firestop systems are used
- Ensures compliance with initial drawings

Step 3: Final Handover Inspection

- Conducted after project completion
- Ensures installed systems match approved designs
- Ensures compliance with UAE Fire Code and international standards

Future Improvements: Contractor Certification

- ADCDA will enforce mandatory contractor certification
- Certification will be required through programs such as:
FM 4991 or UL Qualified Firestop Contractor Program.
- Ensures only trained professionals install firestop systems

Future Improvements: Engineering Judgment Certification

- Suppliers issuing engineering judgments (EJs) must be certified

Certification will be required through the UL's Technical Evaluation Developer Program (TEDP)

- Ensures only qualified professionals issue EJs
- Includes surveillance over issued EJs

Strengthening Compliance & Enforcement

- Increased monitoring of firestop installations
- Stricter enforcement of non-compliance penalties
- Increased collaboration with industry stakeholders

Exploring AI for Compliance Monitoring

- The UAE's National Artificial Intelligence Strategy 2031
- Future AI solutions to track firestop systems in projects
- Compare project submissions with certified systems
- Identify discrepancies and non-compliance automatically

Industry Collaboration & Training

- ADCDA will work with FCIA and industry leaders
- Promote best practices and proper firestop installations
- Support professional training programs

Conclusion & Key Takeaways

The background of the slide features a light gray silhouette of a construction site. Several workers wearing hard hats are positioned on a complex scaffolding structure. The scene is set against a white background with decorative geometric shapes in blue, orange, and brown at the corners.

- Firestop systems are critical for building safety
- Contractor & supplier certification will be enforced
- AI solutions will enhance compliance monitoring
- ADCDA remains committed to improving industry standards



شكراً
Thanks

