



# TRUST PRO CONTRACTING CASE STUDY

CONTRACTING

**Enhancing Safety Measures in King Abdullah Financial District, Riyadh**

**+966 50 749 7561**  
**info@tpcontracting.com**

## Introduction:

The King Abdullah Financial District (KAJD) in Riyadh stands as a testament to Saudi Arabia's ambition to diversify its economy and establish itself as a global financial powerhouse. As one of the largest and most ambitious urban developments in the Kingdom, KAJD embodies innovation, modernity, and progress. This case study delves into the significance of firestop application within the construction of KAJD, emphasizing its crucial role in ensuring the safety and security of this landmark project.

The King Abdullah Financial District represents a visionary endeavor aimed at transforming Riyadh into a prominent financial hub on the international stage. Spanning over 1.6 million square meters, this meticulously planned district encompasses an array of high-rise towers, commercial spaces, residential areas, and state-of-the-art infrastructure. Its strategic location, coupled with world-class amenities and services, positions KAJD as a focal point for investment, commerce, and innovation.





## Interesting Numbers of KAFD:

1. 1.6 Million Square Meters: The total area covered by the KAFD, making it one of the largest financial districts in the world.
2. 73: The number of buildings planned for the KAFD, including skyscrapers, office buildings, residential towers, and cultural institutions.
3. \$10 Billion: The estimated cost of developing the King Abdullah Financial District, reflecting the substantial investment in infrastructure, construction, and amenities.
4. 300,000: The projected daily population of KAFD once fully developed, comprising residents, employees, visitors, and tourists.
5. 45: The number of skyscrapers planned for KAFD, including the iconic Capital Market Authority (CMA) Tower, which stands at 385 meters tall.

## Interesting Numbers of KAFD:

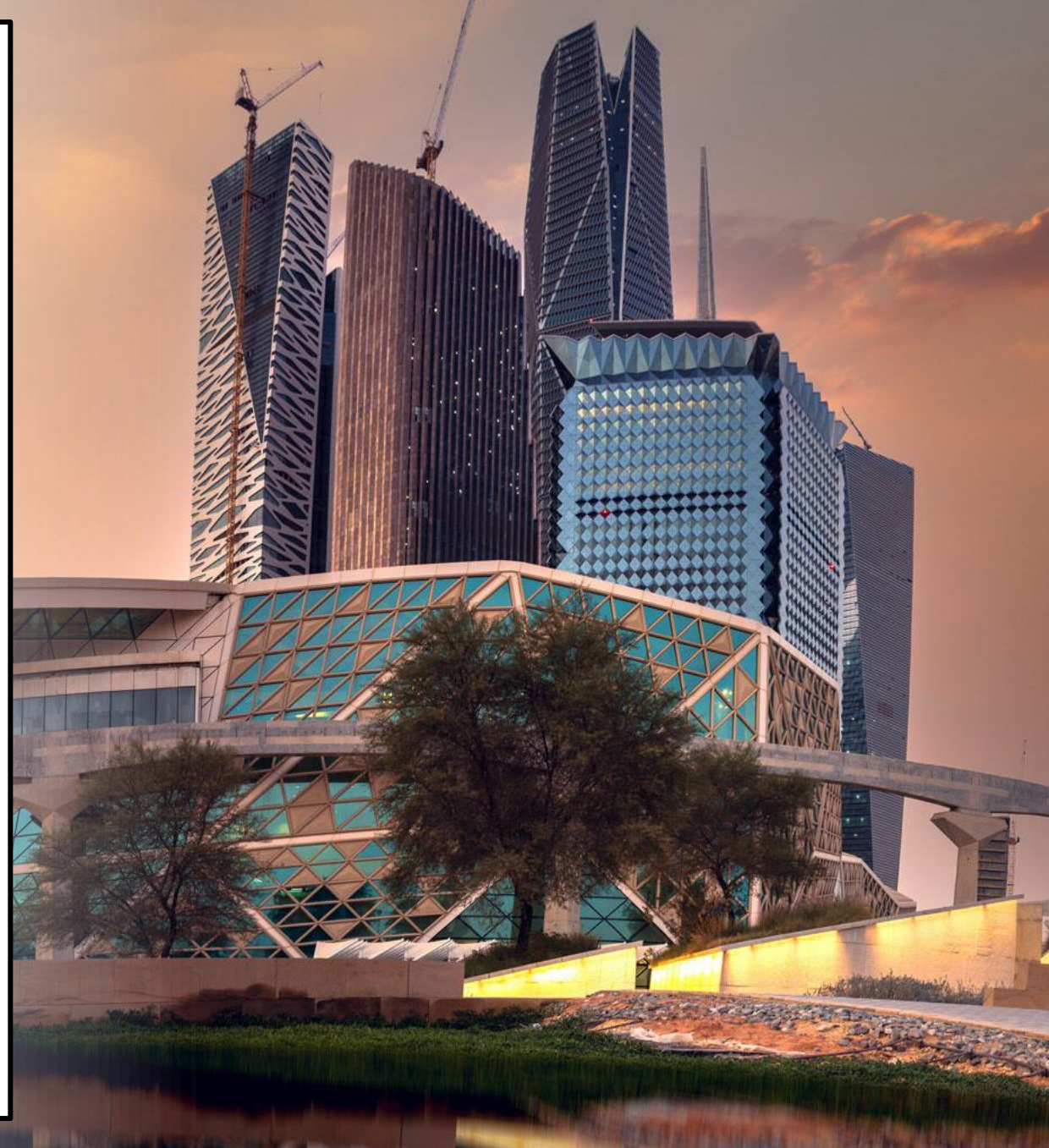
6. 10,000: The approximate seating capacity of the KAFD Grand Mosque, a prominent architectural landmark within the district.

7. 200: The number of companies and financial institutions expected to operate within KAFD upon completion, establishing it as a leading business destination in the Middle East.

8. 30,000: The number of parking spaces planned for KAFD, ensuring convenient access for residents, employees, and visitors.

9. 2024: The year marking significant milestones in the development of KAFD, including the completion of key infrastructure projects and the inauguration of new landmarks.

These numbers offer insights into the scale, scope, and impact of the King Abdullah Financial District as a transformative urban development project in Riyadh and the broader region.



## **Importance of Firestop in KAFD Construction:**

Firestop applications are critical components of building safety systems, especially in high-rise structures like those within the King Abdullah Financial District. Firestop materials and techniques are designed to prevent or delay the spread of fire, smoke, and toxic gases throughout a building, thereby safeguarding occupants, protecting property, and minimizing damage. In the event of a fire, effective firestop measures can significantly reduce the risk of casualties, facilitate safe evacuation procedures, and aid firefighting efforts.

Within the context of KAFD, the implementation of robust firestop solutions is paramount due to the complex nature and scale of the development. As a densely populated urban environment with numerous high-rise buildings, KAFD presents unique challenges in terms of fire safety and emergency response. Therefore, meticulous attention to firestop design, installation, and maintenance is essential to ensure compliance with safety regulations and standards.

## **About the Project:**

### **Location**

Riyadh City

### **Contractor appointed by (KAFD) for part of construction contract**

SBG – Al Bawani

### **Sub-contractor appointed by main contractor for the firestop system**

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## The Project Requirement:

- Inspection of legacy firestop to test its integrity.
- Supply and application of balance firestop system as per approved life safety drawings.
- Surface preparation
- Necessary cleaning
- Application of appropriate firestop materials.
- Inspection by destructive test method through approved third party agency.



## Project Execution:

The project was planned in coordination with KAFD team to follow the priorities of the project. This was essential to insure that project handing over in timely manner. Special care was considered in the execution of firestop work as old work was performed by previous subcontractor before the project was on-hold. All legacy work was inspected to verify its integrity and failed installations were removed and replaced with fresh installations. Hilti material was used as per client approval. Special cases were discussed with the client and Engineering Judgement team to reach the most suitable solutions.

