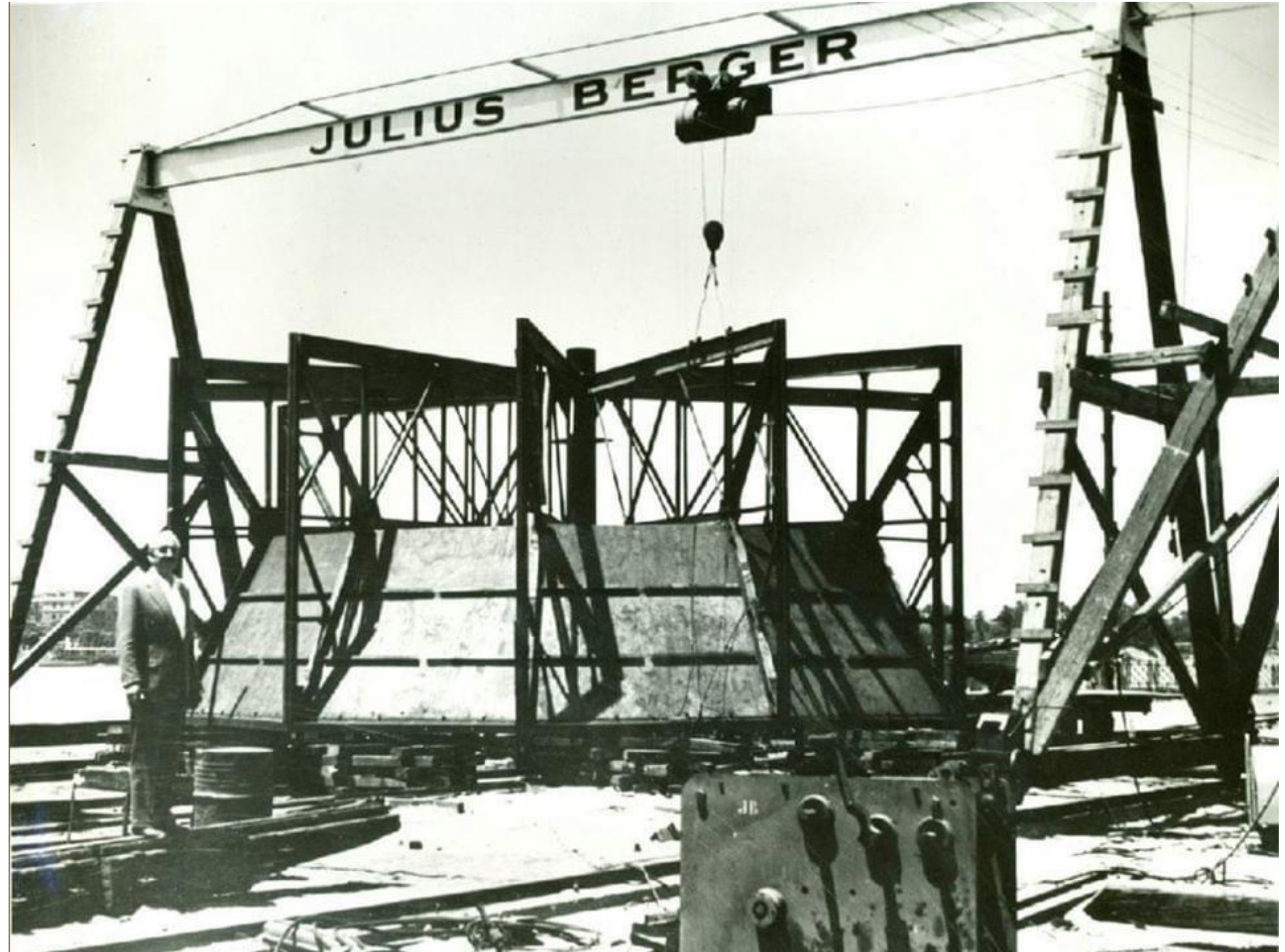


The Nile Dancing Fountain

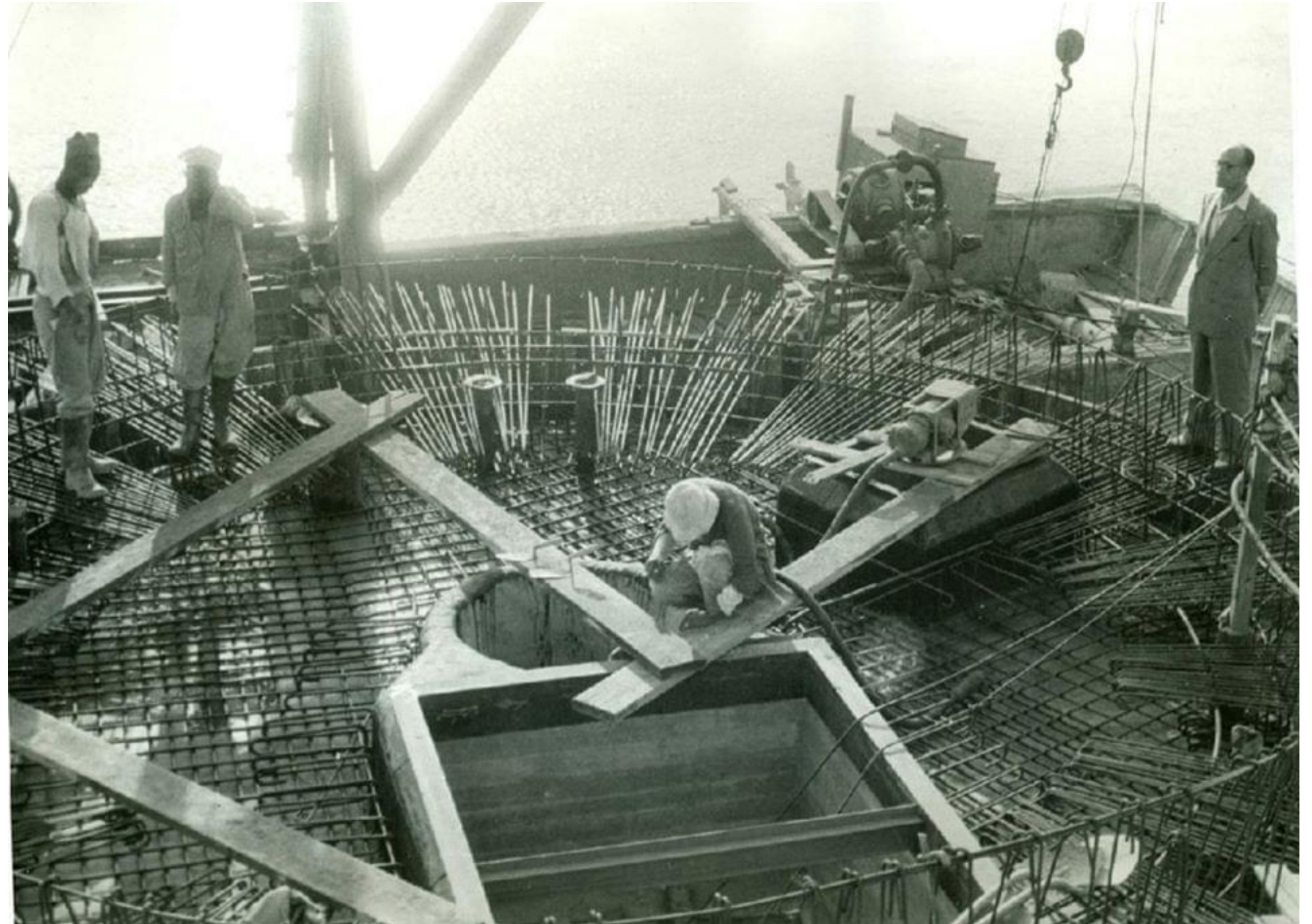


History of the Nile Fountain

- Constructed in 1956 by Julius Berger
- Not working since 41 years



History of the Nile Fountain



History of the Nile Fountain



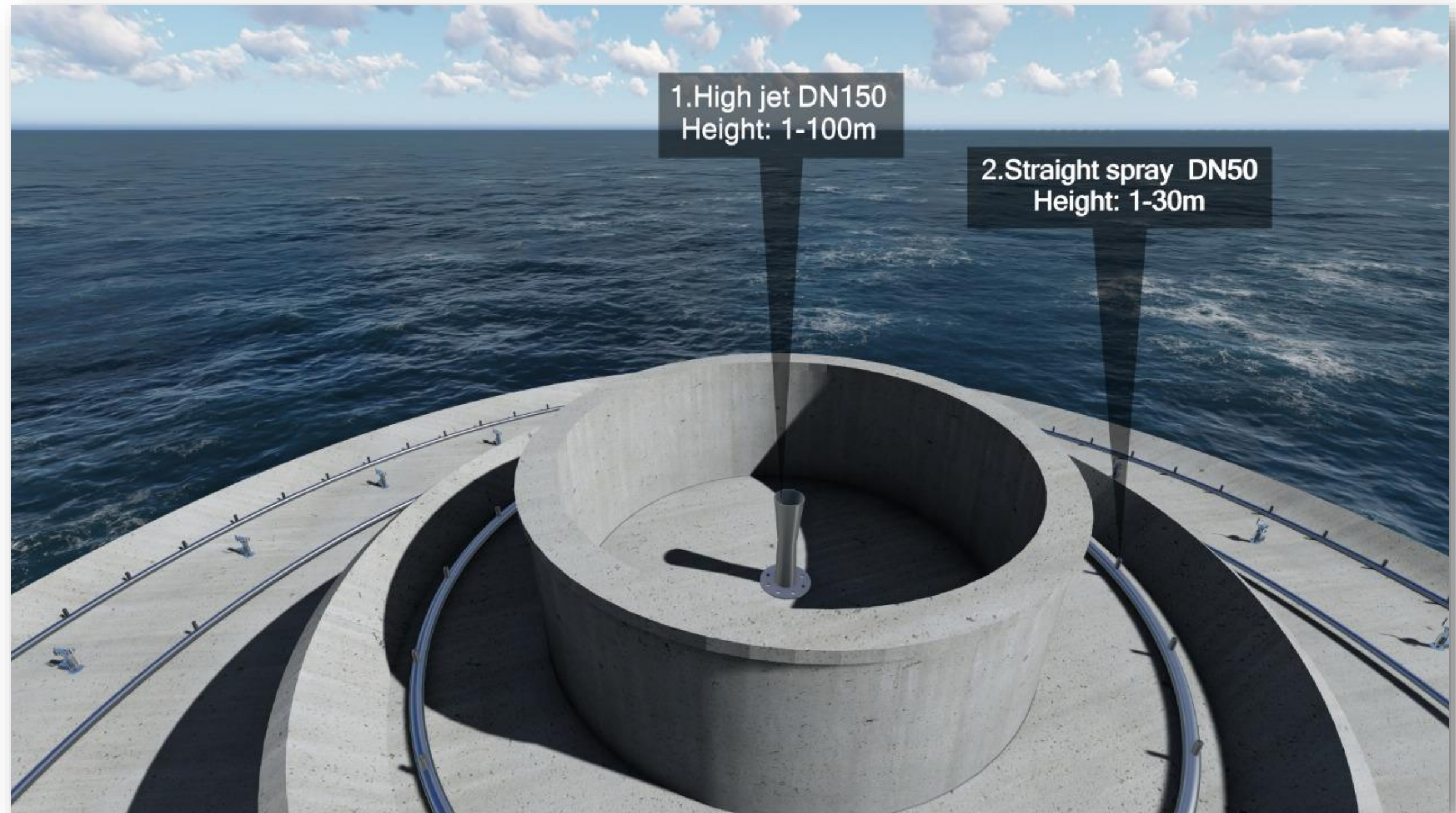
Nile Fountain Rooms

- Control room (above the water level)
 - Height: 2.5 m
 - Diameter: 6 m
- Machines room:
 - Height: 7 m
 - Diameter: 8 m



Proposed Design

- 3D model using Revit MEP
- Full electromechanical scope



Renovated Dancing Fountain

- 37 pumps for musical dancing
- 5 rings
- 100 m central jet
- Historical diameter



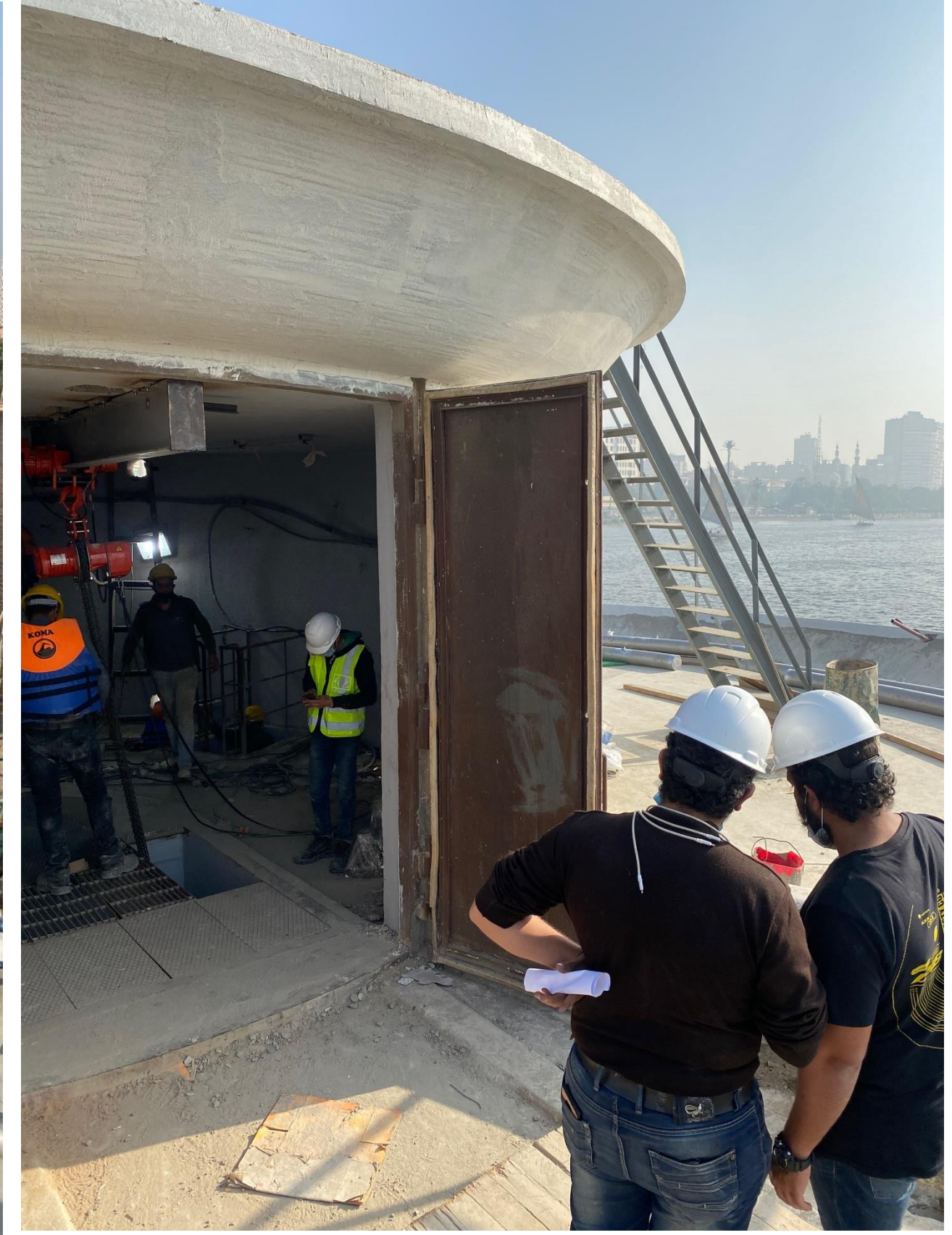
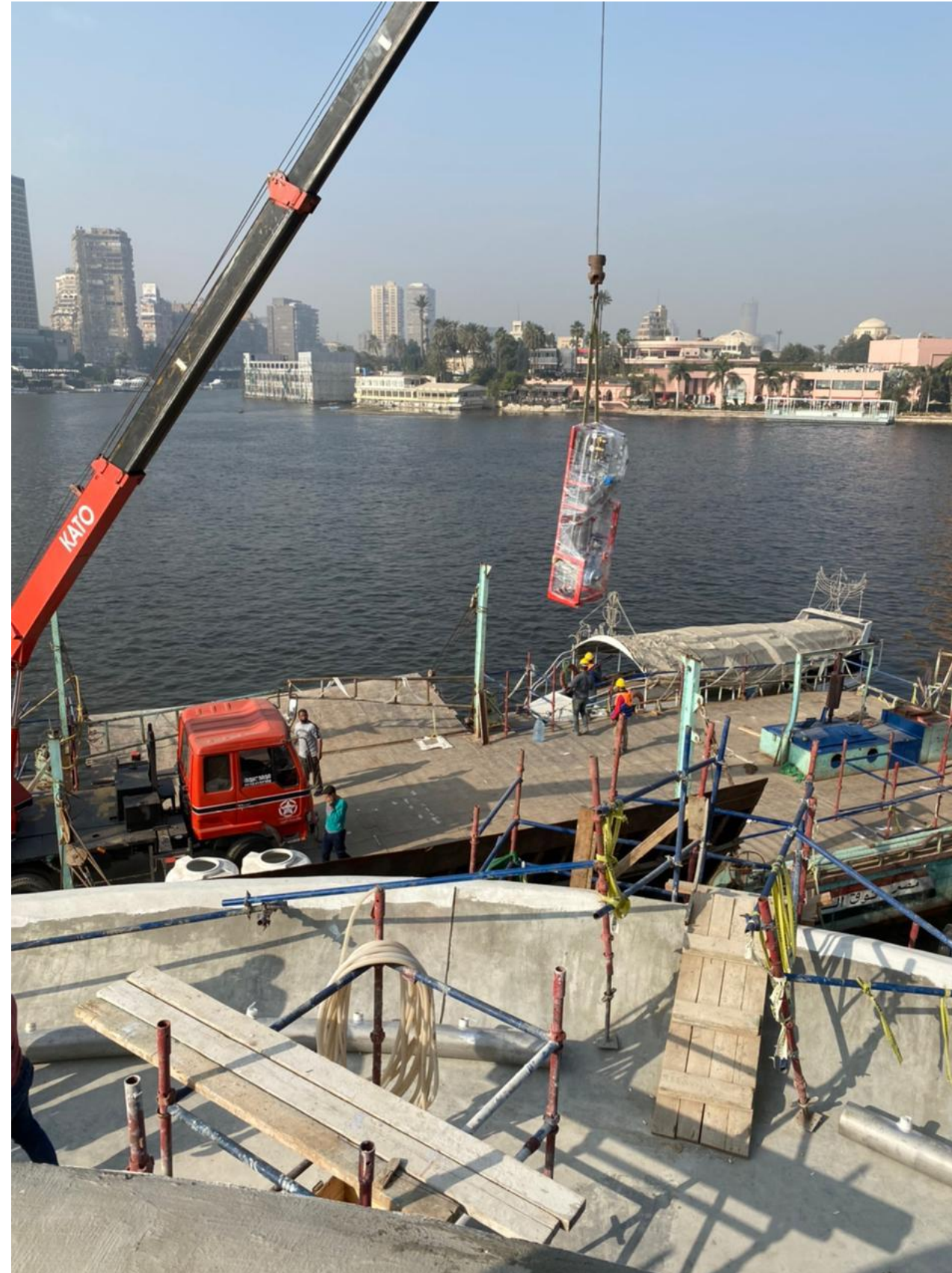
Challenges

- Very tight space
- Limited electricity
- Limited accessibility
- 4-month project in Winter and COVID



Proposed Fire System

- High-pressure water mist system
- Centralized pump unit





Added Value

- Flexible installation
- Electricity loads were calculated in Watts
- Steel structural platform

Meet the Team

- Design
- Planning
- Project management
- Technical Office
- Construction
- Testing & commissioning







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