



Planning and Delivering Fire and Life Safety Related Systems for Mega Projects Doha Metro

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Doha Conference – Crowne Plaza – The Business Park – Oct 16th 2019

Doha Metro

SAFETY
DESIGN
IN
BUILDINGS



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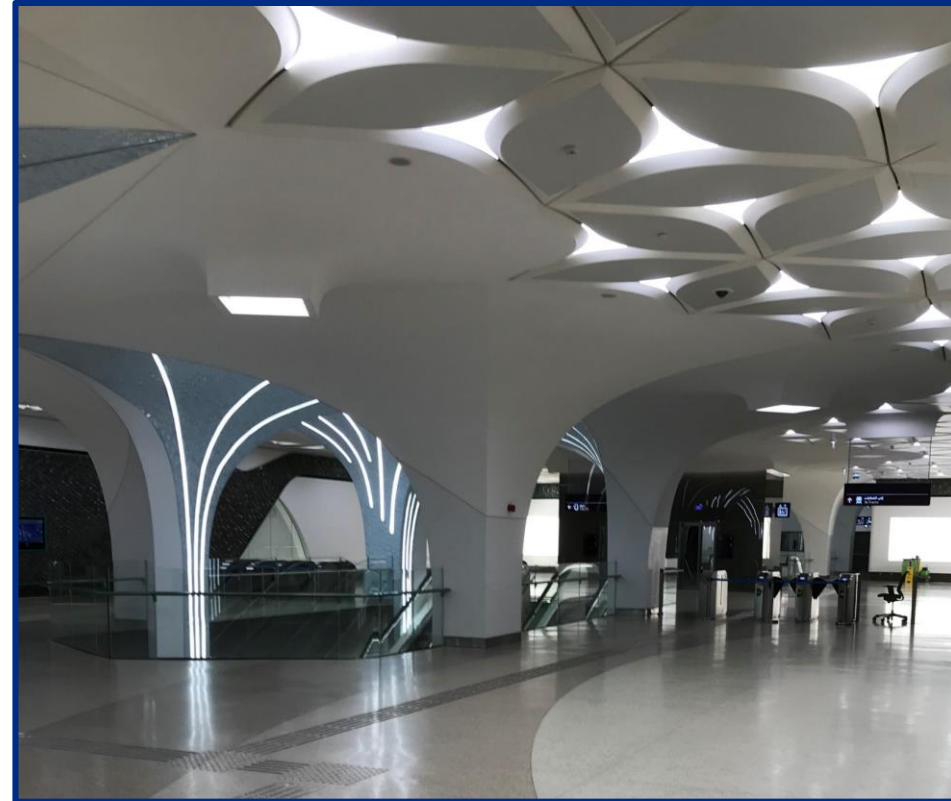
Doha Metro



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Entrance – Ground Level



Concourse – Basement Level 1

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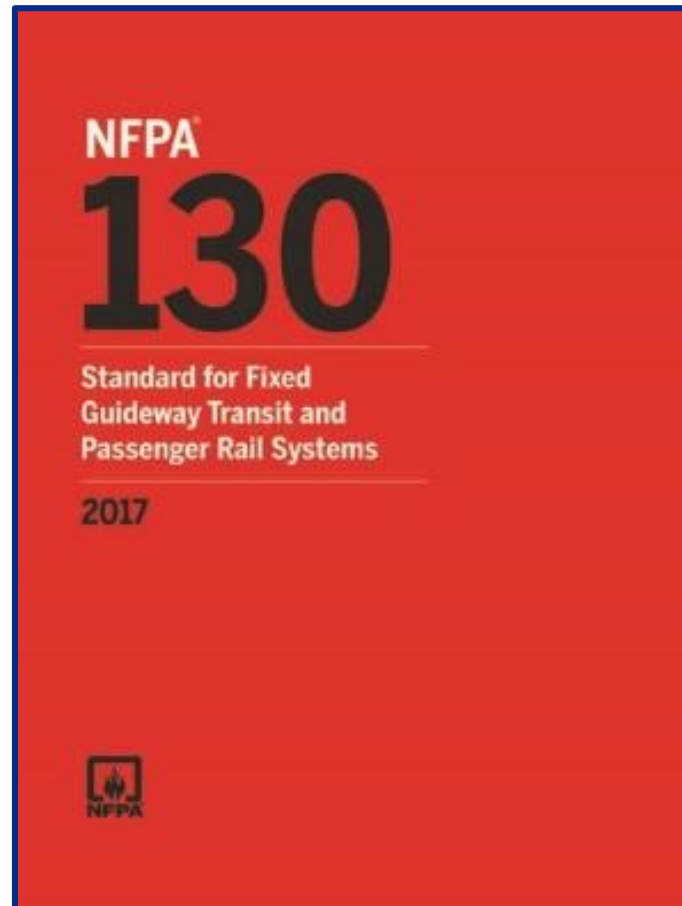


Platform – Basement Level 2



Service – Basement Level 3

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Qatar Civil Defence Directorate – General Fire Safety Requirements

Fire Pumps

9.2 When in basements the fire pump room shall be located not lower than one (1) basement depth

9.1 Location of the fire pump room must be agreed with the QCDD at DC1 stage

Doha Metro - Design



Qatar Civil Defence Directorate – General Fire Safety Requirements

Fire Pumps

2.1 All fire pump installations must be designed to operate under the conditions of loss of primary power source and mechanical failure.

2.2 A fire pump installation comprising a duty electric motor driven pump with a standby diesel engine driven pump is deemed to satisfy this requirement.

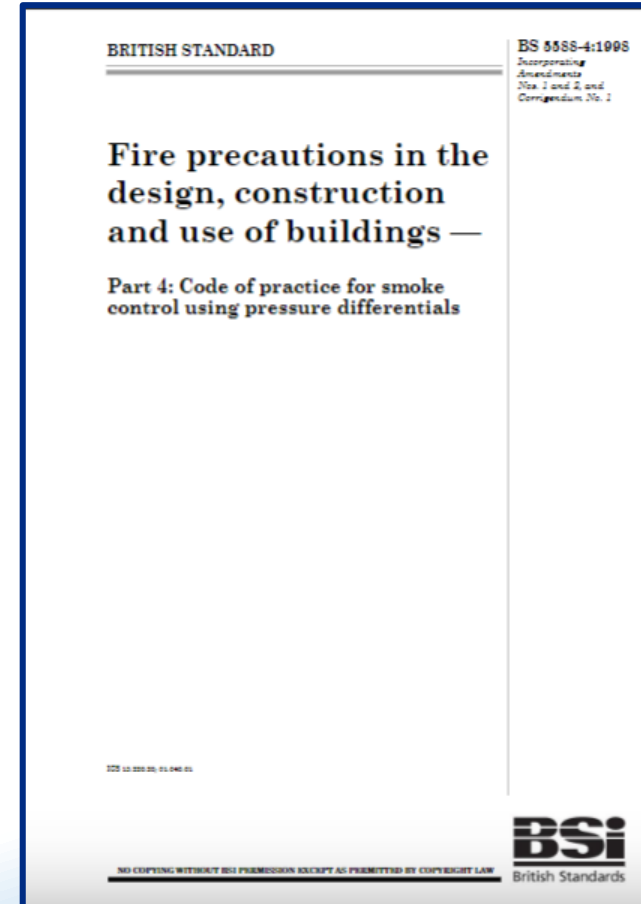
Doha Metro - Construction

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Doha Metro - Testing



Doha Metro - Inspection

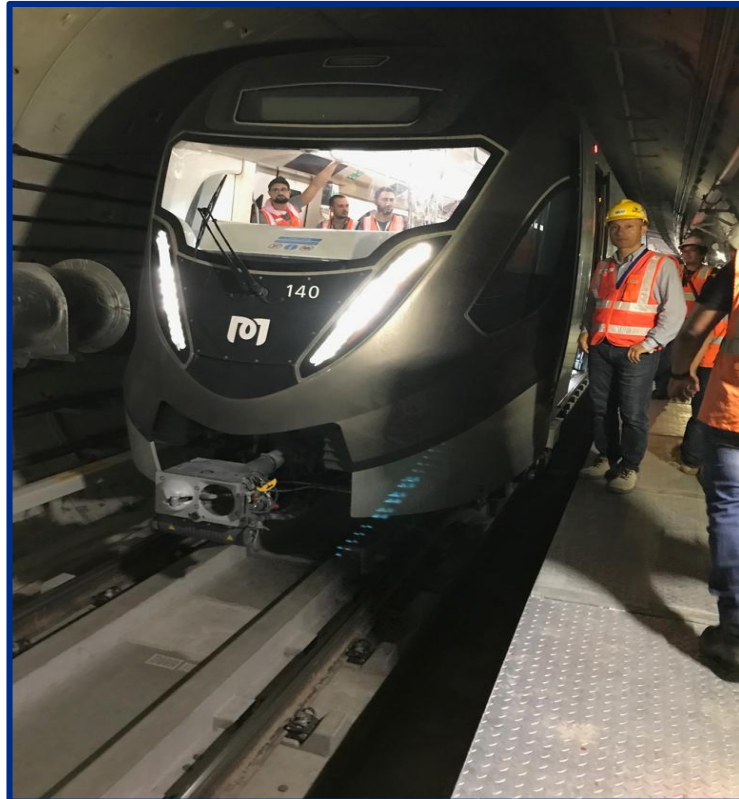


Station – Fire Alarm to BACS

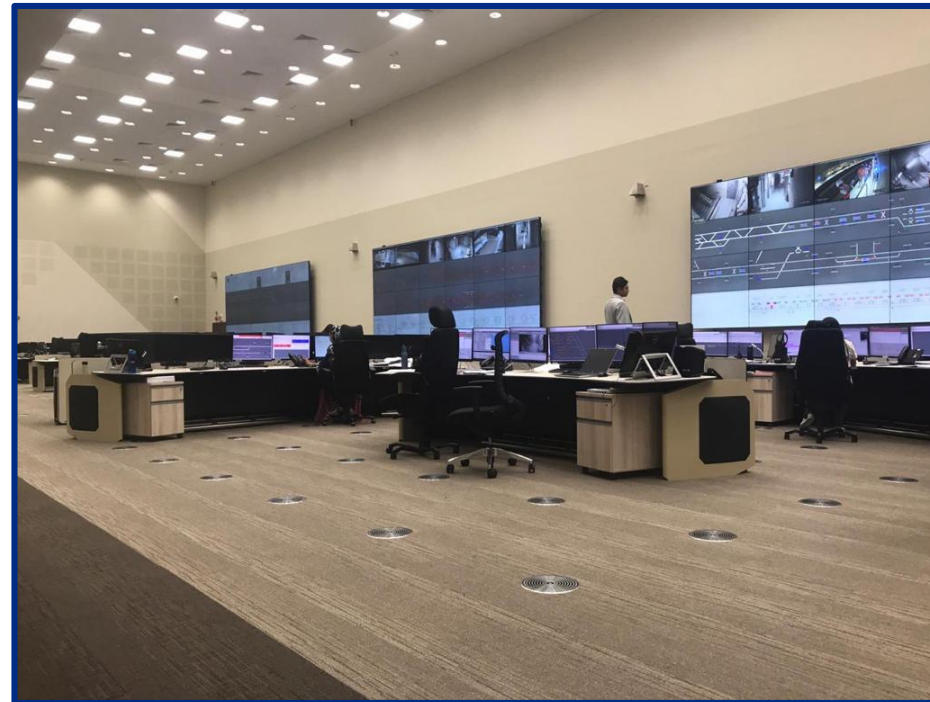


Integrated Control Centre – BACS to SCADA

Doha Metro - Inspection



Tunnel



Integrated Control Centre

Doha Metro - Inspection



Tunnel – Smoke Test



Tunnel – Landing Valve Test

Doha Metro - Summary

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Thank you