



ISHCCO

**International Safety & Health Construction
Co-ordinator's Organisation**

www.ishcco.org

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L-1330 LUXEMBOURG**

VISION ZERO 



Communicating Risks to Constructors

Philip Baker

Communicating



Image courtesy of Shutterstock



Image courtesy of Jaxxon Consulting

What Information?

- About risks in construction work:
 - Now
 - In the future

Article 5

Project preparation stage: duties of coordinators

The coordinator(s) for safety and health matters during the project preparation stage appointed in accordance with Article 3 (1) shall:

(b) draw up, or cause to be drawn up, a safety and health plan setting out the rules applicable to the construction site concerned, taking into account where necessary the industrial activities taking place on the site; this plan must also include specific measures concerning work which falls within one or more of the categories of Annex II;

Safety and Health Plan

- 1. General information about the project
- 2. Project-specific information and information sources
- 3. Information on how the project should be managed
- 4. Arrangements for contributing information to the safety and health file





1. General information about the project

Description of the project

Names of the stakeholders

Client expectations on how the project will be carried out and the safety and health success criteria that will be applied

2. Project-specific information and information sources

Identifying project hazards

Identifying off-site hazards that will need to be taken into account

Identifying risks from the design that are not likely to be obvious to others (including the unusual)

Identifying work involving particular risks according to Annex II

Identifying other sources of information relevant to safety and health

3. Information on how the project should be managed

Management arrangements

Arrangements for welfare

Site rules (taking account as necessary of other industrial activities at the site)

Arrangements made to deal with common issues that are not likely to be obvious to others (including the unusual)

Arrangements made to take account of work involving particular risks

Arrangements made to take account of other activities at the site including industrial ones



Arrangements for safety and health during any joint occupation with the client and eventual handover to them

Arrangements in the event of injuries and emergencies

4. Arrangements for contributing information for the safety and health file

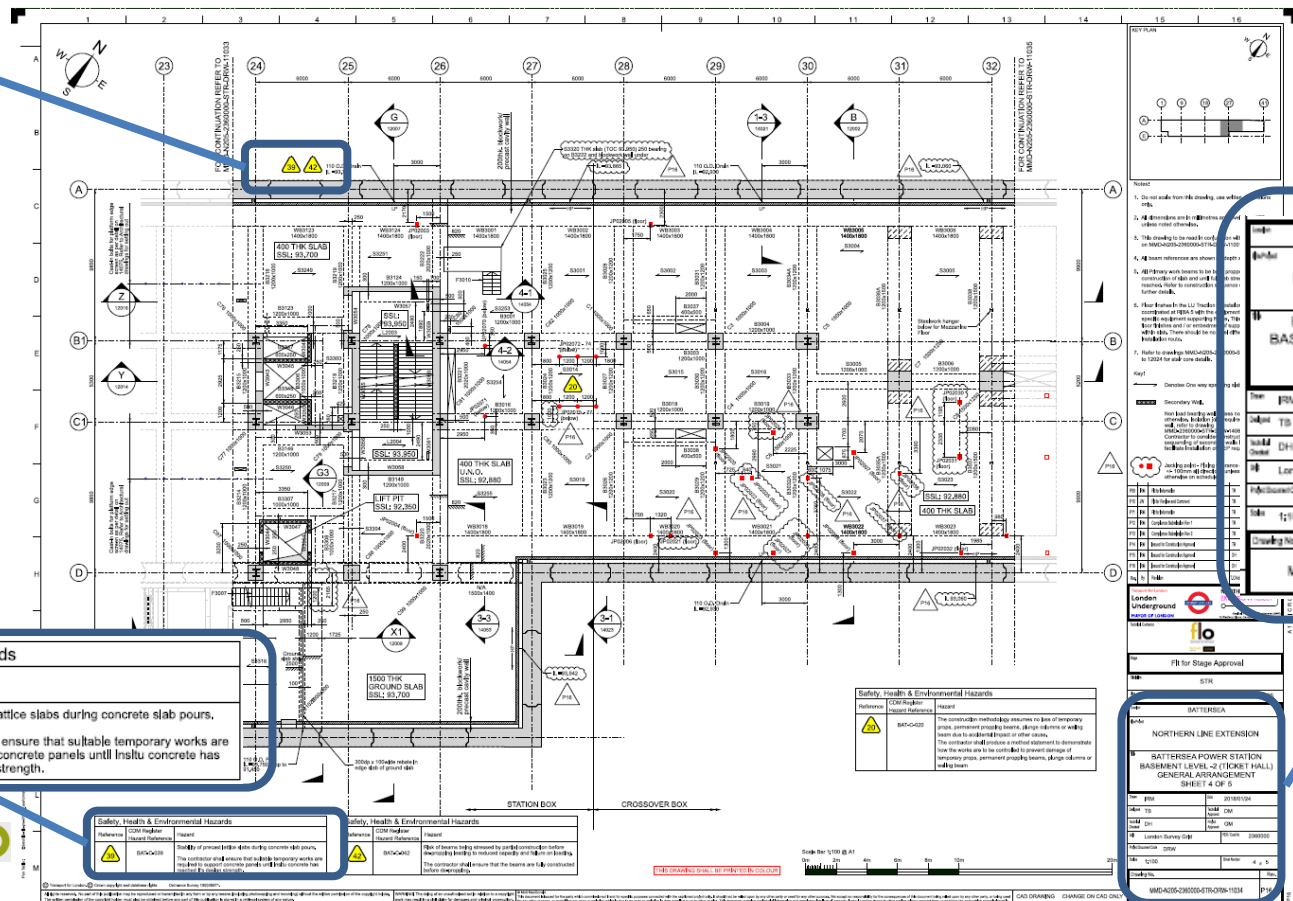
- Moved from Safety and Health Plan to Pre Construction Information in 2007
- SHCC Preparation Stage (UK) has less input on management of the works
- Since 2015 SHCC Preparation Stage (UK) is preferred to be the Lead Designer (Architect).

PtD Register

Designers' hazard elimination and management record										
Complete in Conjunction with guidance in PM/106/02										
Project Title			Project Number		Project Manager					
RIBA Stage 3 to 4 for extension of the Northern Line, including 2 new stations and shafts			333592		R. Dickson					
			Division or Sub-Division		Project Safety Advisor					
			M&C		A. Harper					
Scope of Design			Detailed design for new Battersea underground station		Form No/ Revision					
					MMD-N001-2360000-HSE-RGT-00001					
(1) Haz Ref	(2) Activity/Process/ Material/Element - what is being undertaken?	(3) Hazard ¹	(4) Stage of Work	(5) Package of Work	(6) Discipline	(7) Designer Risk Control Measures ² : Design action taken, record of decision process including option considered, design constraints and justification for options/actions not having been taken	(8) Is there a 'significant' residual risk to be passed on? ³ (Y/N)	(9) If answer to (8) is Yes, Information flow: D/P/F ⁴	(10) Status Within MM (Active / Closed)	Comments
CONSTRUCTION										
BAT-C-002	Excavation and piling.	Munitions or unexploded ordnance present or likely to be present on site.	Construction		Geotechnical	1) EOD Desktop UXO survey - EOD/13/13106/DTS/Northern Line Extension identifies Battersea as high risk. 2) FLO to consider commissioning on-site UXO survey to determine extent of any UXO and further mitigation. 3) FLO to implement emergency plan to reflect risk and control measures in accordance with EOD Desktop Study.	Yes	D	Closed	Please refer to EOD Explosive Ordnance Desk Top Study For Northern Line Extension (EOD/13/13106/DTS/Northern Line Extension).  SHE box added to drawing MMD-N205-2360000-STR-DRW-11080.




SHE boxes to be added to drawings MMD-N205-2360000-STR-DRW-19055.




BATTERSEA	
NORTHERN LINE EXTENSION	
BATTERSEA POWER STATION BASEMENT LEVEL-2 (TICKET HALL) GENERAL ARRANGEMENT SHEET 4 OF 5	
Date	20/08/2004
Author	DM
Check	GM
London Survey Grid	PDN 330000
Reference	DRW
Date	12/00
Sheet No.	4 of 5
Drawing No.	MMD-N205-2300000-STR-DRW-11034
Rev.	P16

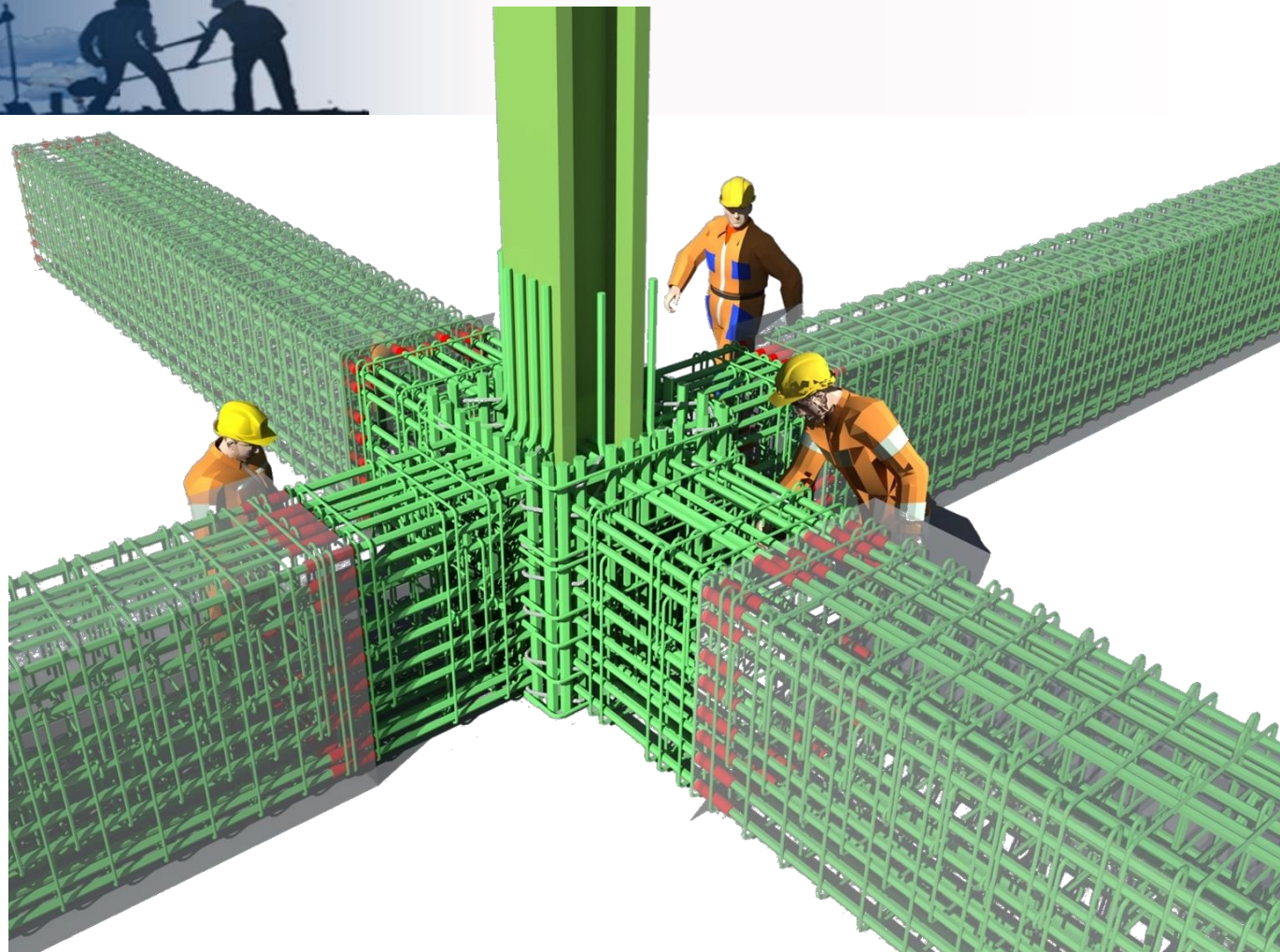
BATTERSEA			
NORTHERN LINE EXTENSION			
BATTERSEA POWER STATION BASEMENT LEVEL -2 (TICKET HALL) GENERAL ARRANGEMENT SHEET 4 OF 5			
Date	2/10/00	Rev	20/10/01/2/4
Author	TD	Issued	DM
Check	DM	Rev'd	GM
18 London Subway Sign		Rev. Issued	20/10/01
Reference	GWSW		
Scale	1:100	Sheet No.	4 of 5
Drawing No.			
MMD-A205-230500-ETP-036-11034			

Safety, Health & Environmental Hazards
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Reference	CDM Register Hazard Reference	Hazard
	BAT-C-039	Stability of precast lattice slabs during concrete slab pours. The contractor shall ensure that suitable temporary works are required to support concrete panels until Insitu concrete has reached its design strength.

Safety, Health & Environmental Hazards		
Reference	COM Regulator Hazard Reference	Hazard
	BATG-038	Stability of precast lifts The contractor shall be required to support and maintain its scaffold

Reference	CDM Regulator Hazard Reference	Hazard
	B05Ca062	Risk of beams being struck during hoisting to new position. The contractor shall ensure that the beams are properly secured before hoisting.



Article 5

Project preparation stage: duties of coordinators

The coordinator(s) for safety and health matters during the project preparation stage appointed in accordance with Article 3 (1) shall:

(c) prepare a file appropriate to the characteristics of the project containing relevant safety and health information to be taken into account during any subsequent works.

Introduction

1. General information about the project
2. Project-specific information and information sources
3. Information on how designers took account of hazards that might arise
4. Identifying other sources of information relevant to safety and health

From Non Binding Guide

Introduction

1. General information about the project

Description of the project

Names of past stakeholders

2. Project-specific information and information sources

Identifying hazards

Identifying hazards from the design

Identifying high-risk hazards (Annex II)

3. Information on how designers took account of hazards that might arise during future construction work

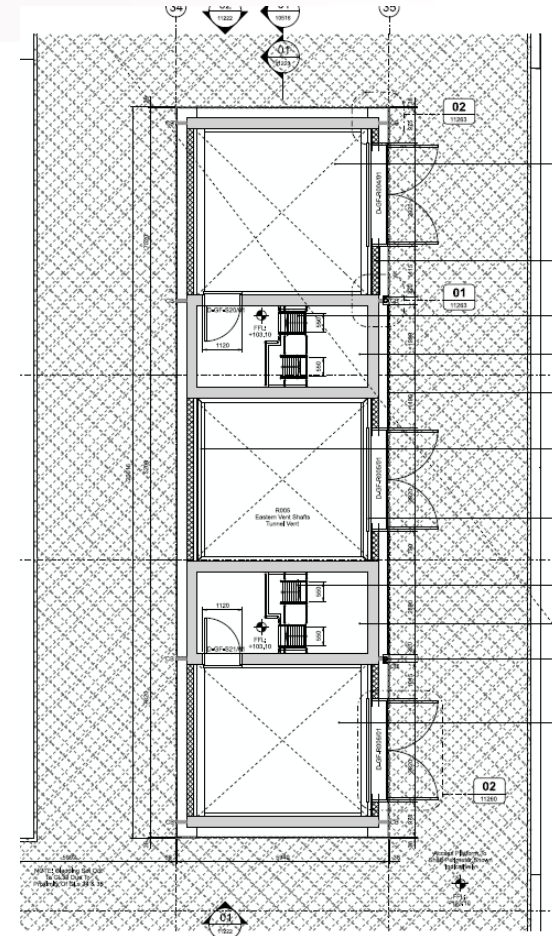
Routine maintenance

More major work

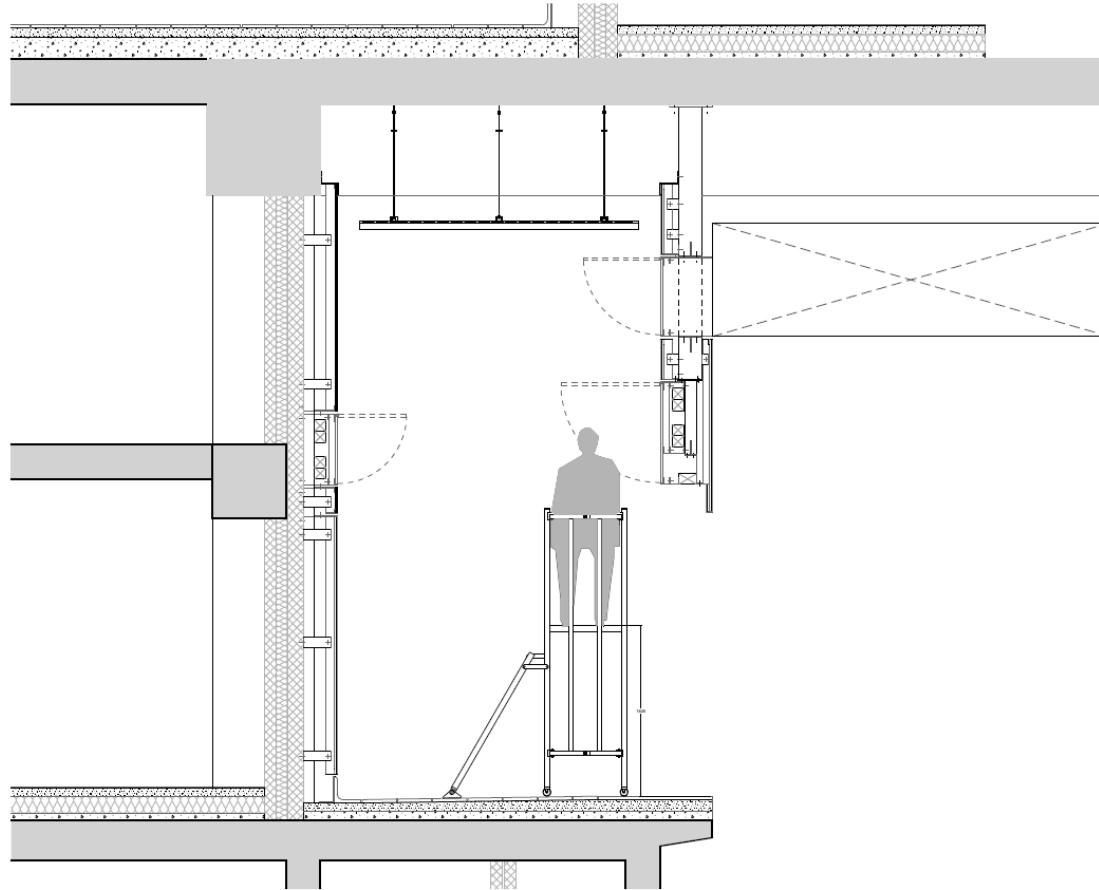
4. Identifying other sources of information relevant to safety and health

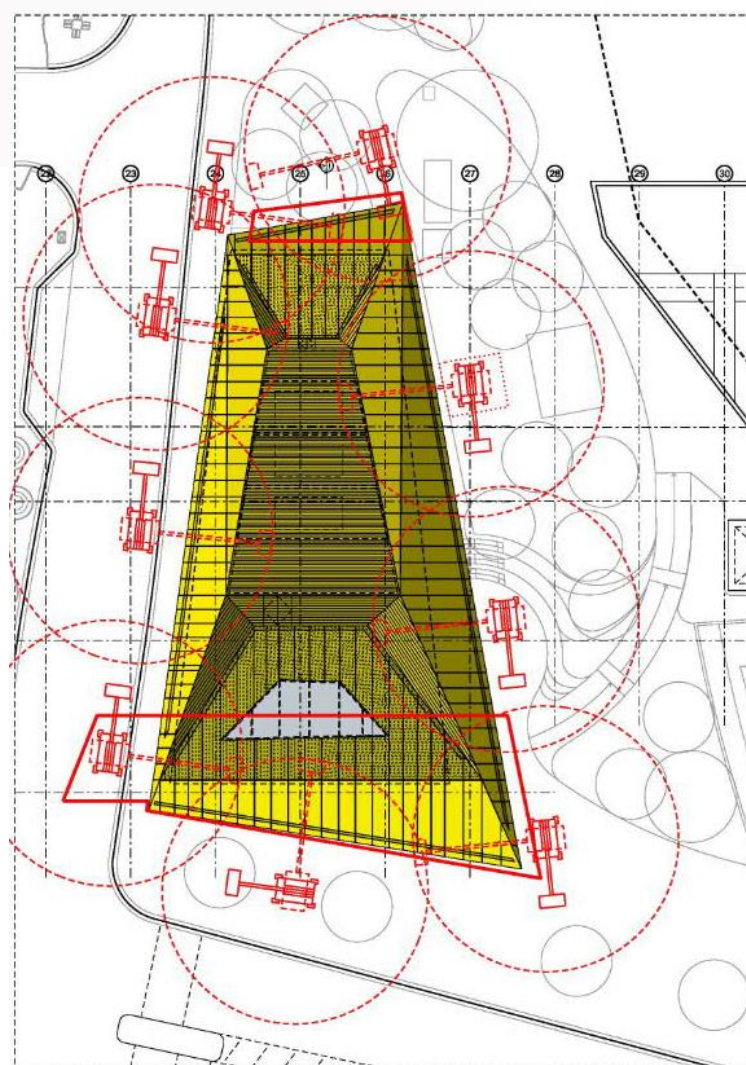
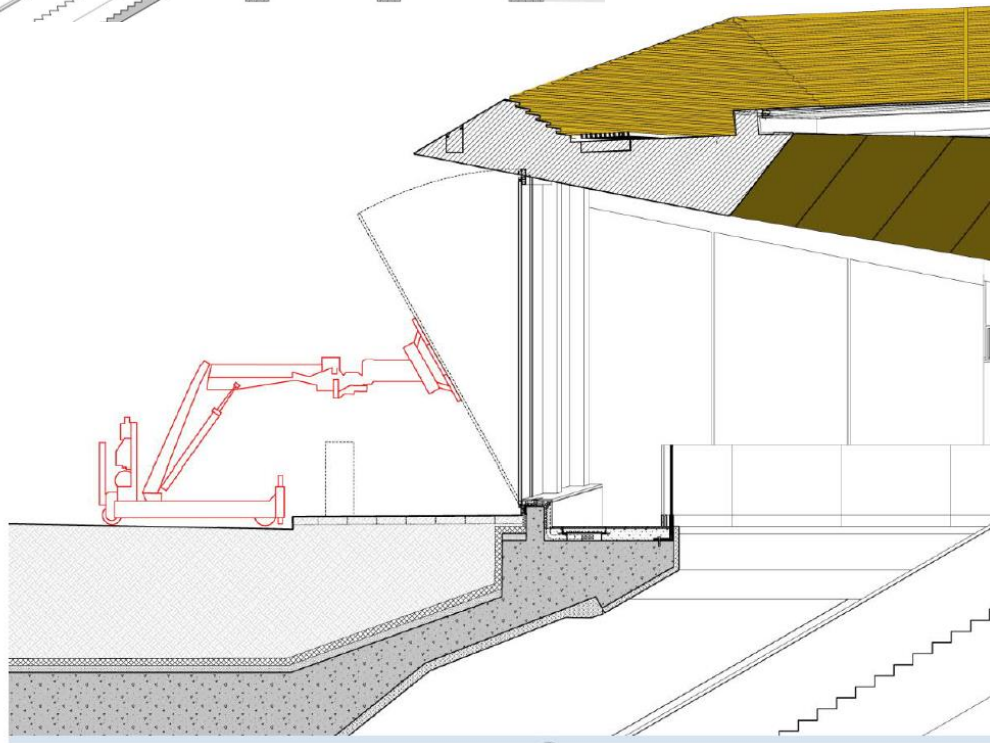
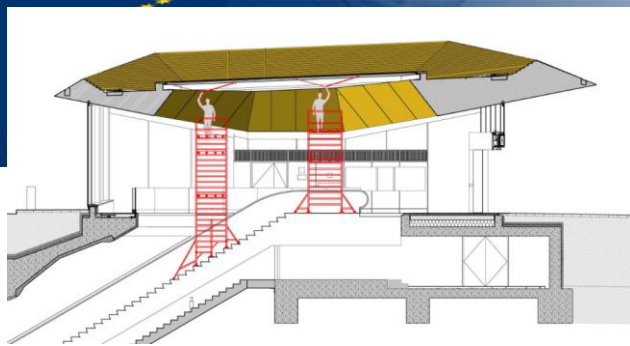
Plant Replacement

- Fan replacement strategy
- Shafts provided to ground level
- Lifting beams in place
- Blanking plates for isolating 'open' air path
- Loading points at ground level



Platform Edge Lighting







Acknowledgment

Thank you for your attention.

**Questions?
Suggestions!**

ISHCCO