

Decennial Insurance Major losses

Hervé Landrin

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Münchener Rück
Munich Re Group



Decennial Insurance: Major losses

List of losses

Completion Year	Occurrence Year	Building	Loss Million EUR
1977	1979	Centre Pompidou (Paris)	2,5
1989	1993	Grande Arche (Paris)	2
1991	1994	Office building (Sheffield)	8
1992	2000	Mosque Hassan II (Casablanca)	46
1996	1999	Shopping Mall (Marseille)	76
2003	2004	CDG Airport (Paris)	112

Decennial Insurance: Major losses Centre Pompidou (Paris)

Corrosion of lattice trusses

EUR 2,5m



Decennial Insurance: Major losses Centre Pompidou (Paris)

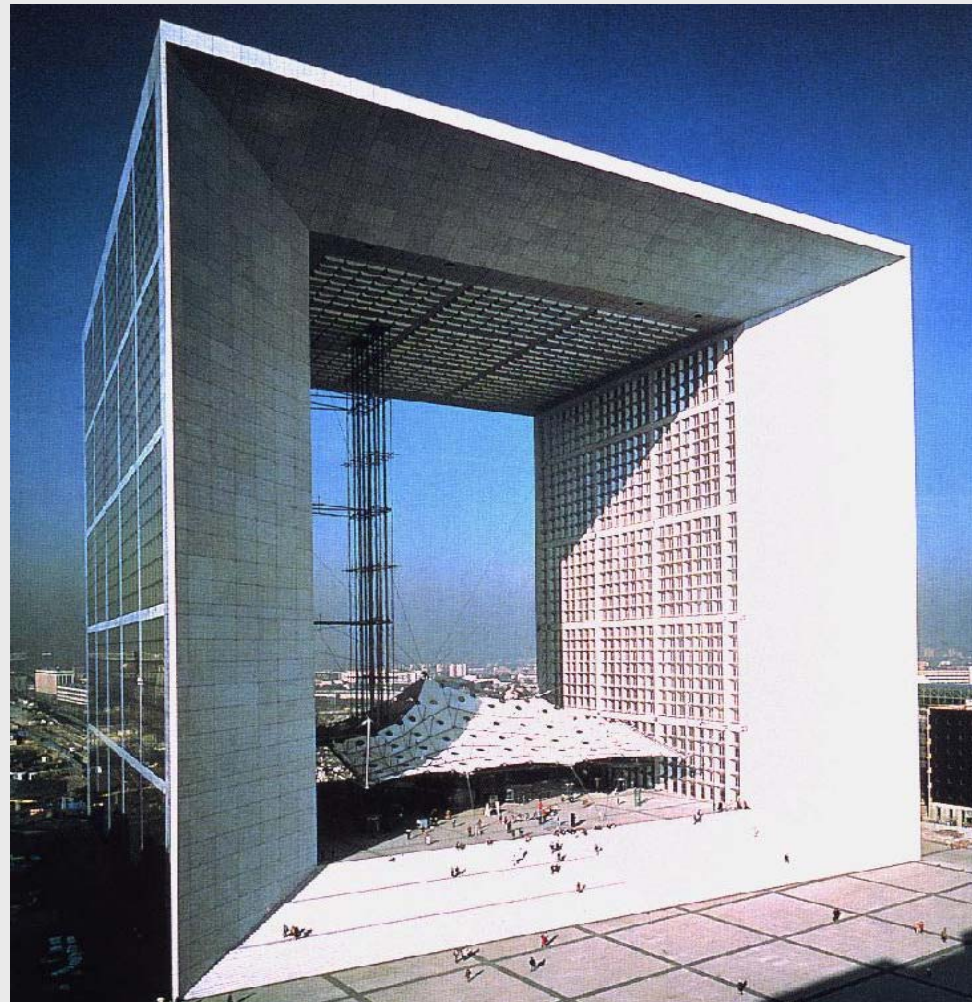
Corrosion of lattice trusses
EUR 2,5m



Decennial Insurance: Major losses Grande Arche (Paris)

Corrosion of marble slabs (outside south facade)

EUR 2m



Decennial Insurance: Major losses Office building (Sheffield)

Severe deflection of floor slabs causing:

- Cracking of both the internal and external walls
- Distortion of the glazed curtain wall

EUR 8m



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Decennial Insurance: Major losses Mosque Hassan II (Casablanca)



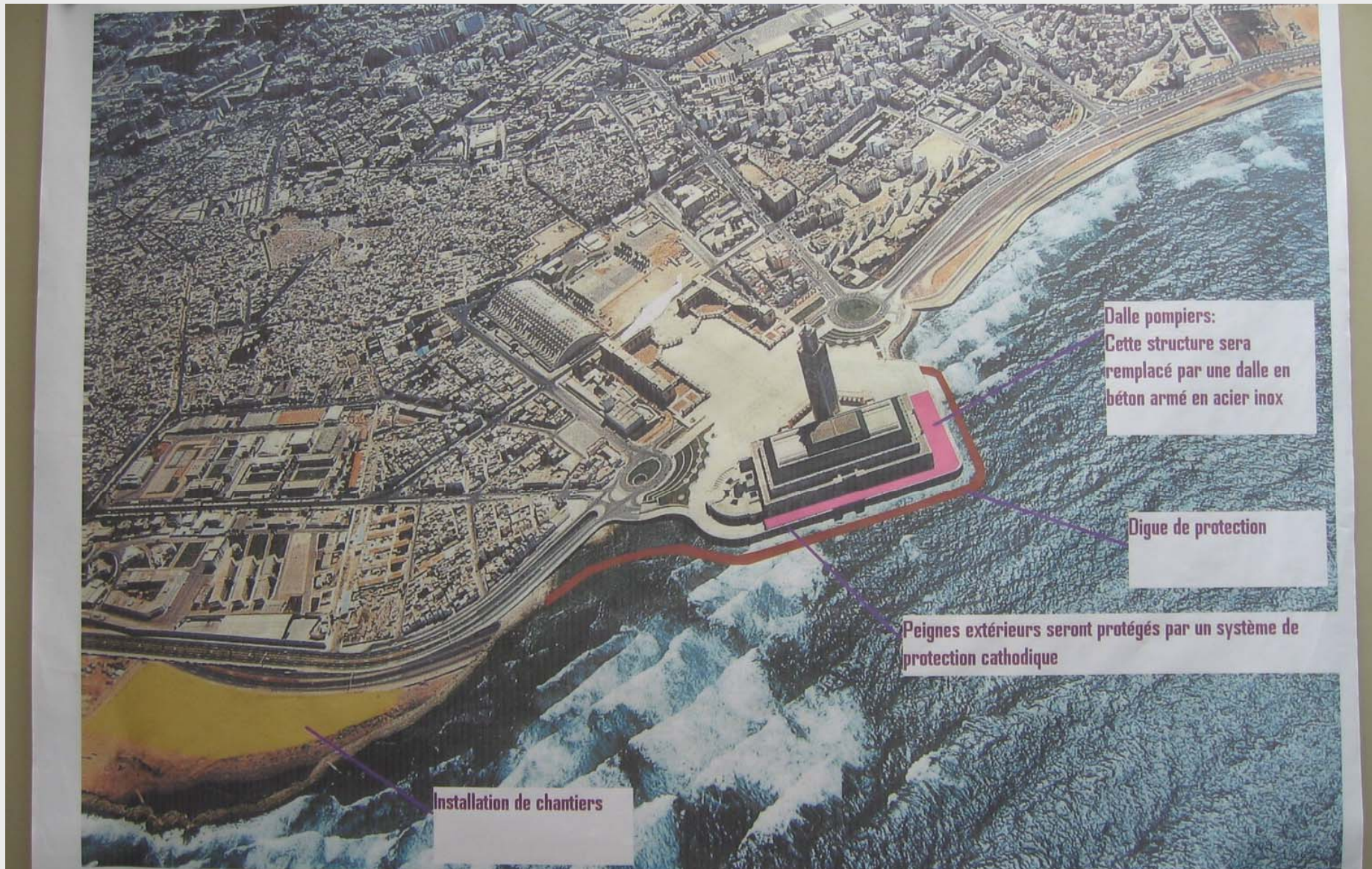
1/3 of Mosque founded on concrete piers exposed to ocean sea water

Observation of severe damage at all concrete structures touched by ocean water:

- Cracks in Girders, Piers and Ceilings
- Intense corrosion of reinforcement

EUR 46m

Decennial Insurance: Major losses Mosque Hassan II (Casablanca)



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EUR 46m

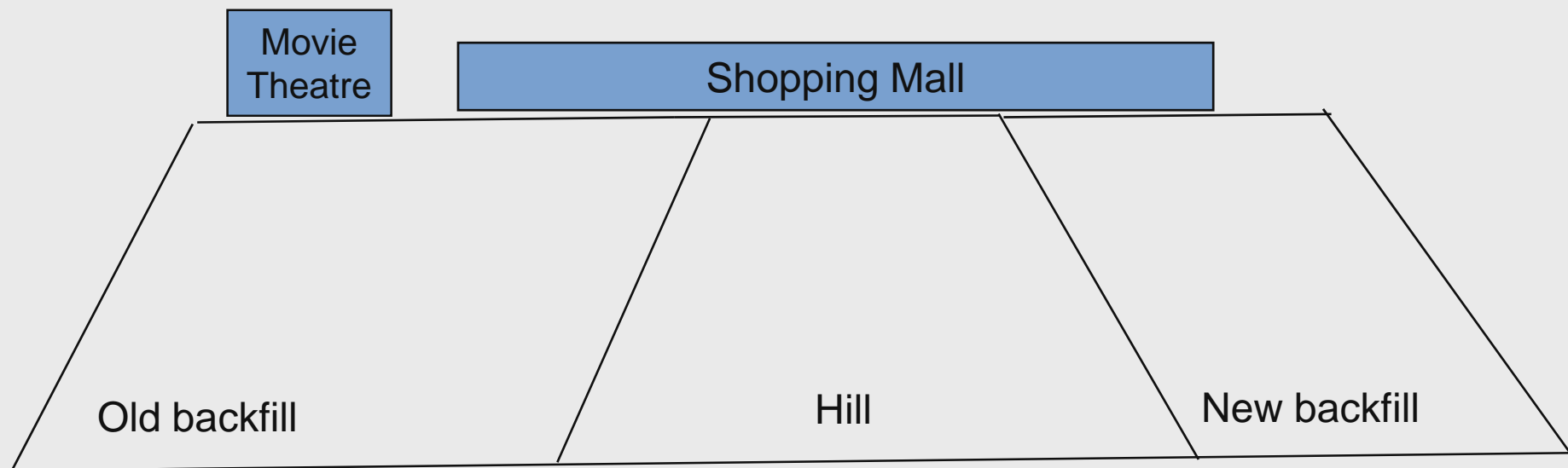


Decennial Insurance: Major losses

Movie Theatre and Shopping Mall (Marseille)

Severe settlements of parts founded on old backfill

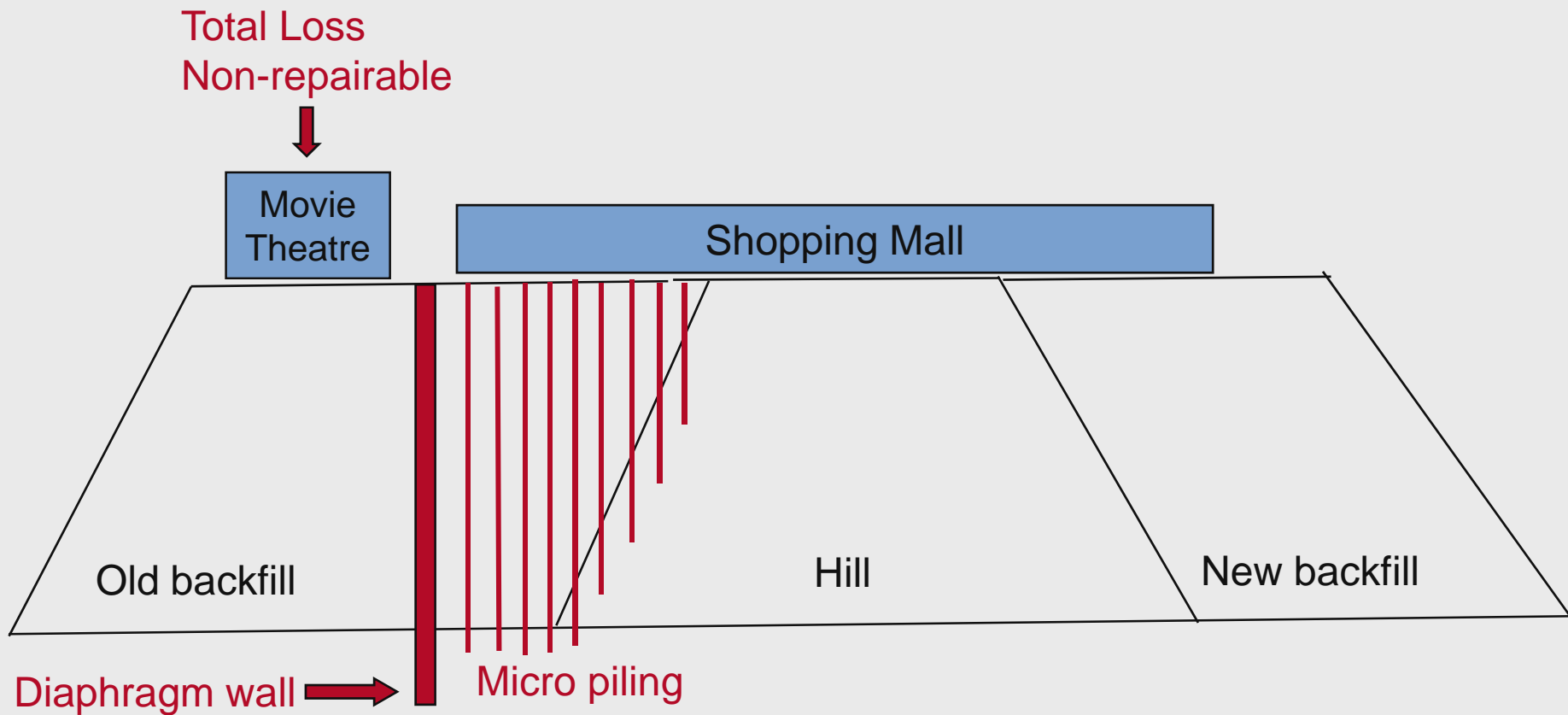
EUR 76m



Decennial Insurance: Major losses

Movie Theatre and Shopping Mall (Marseille)

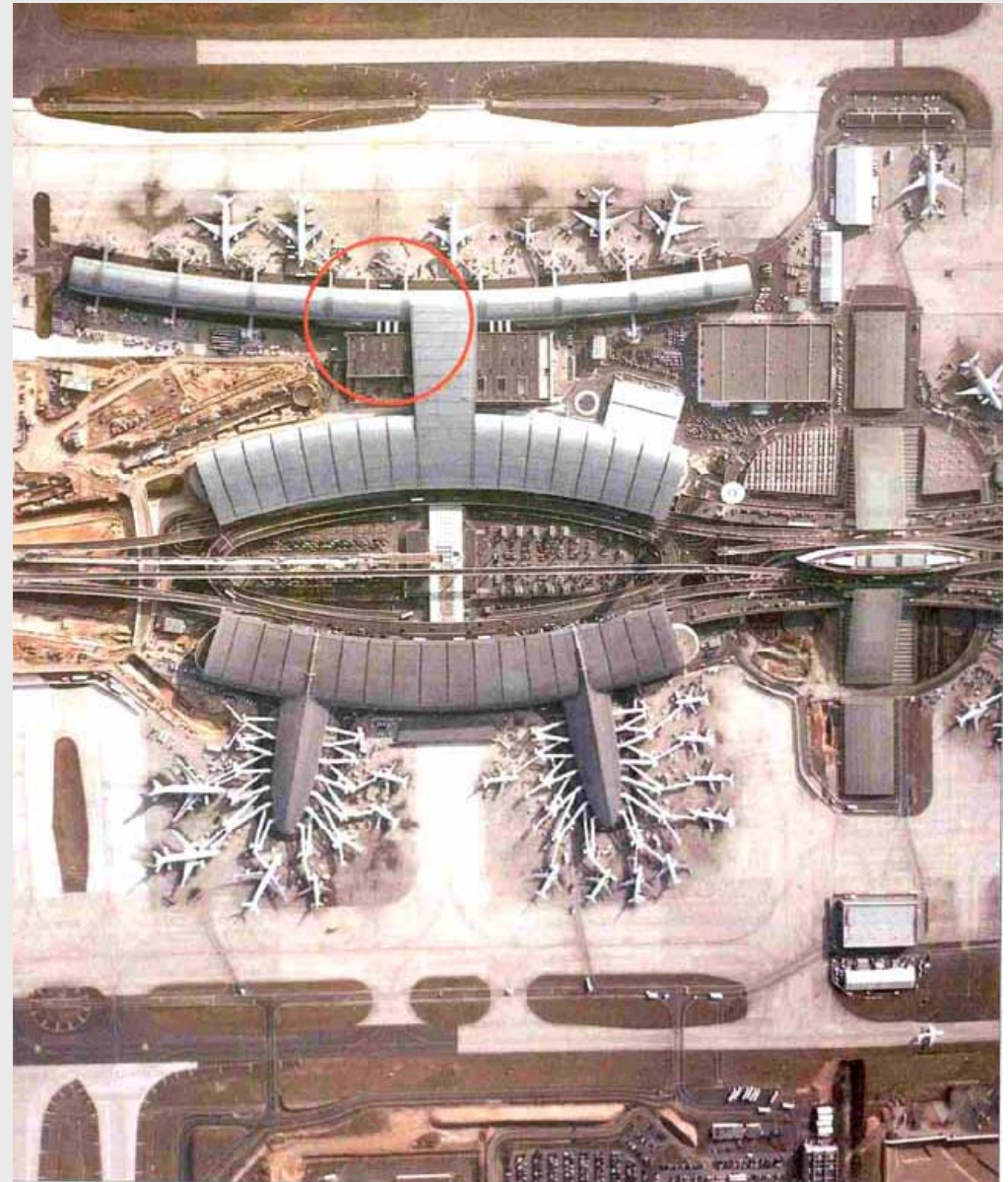
EUR 76m



Decennial Insurance: Major losses CDG Airport (Paris)

4 people killed in the sudden
collapse of a 24 meter section
of a 650 meter long concourse

EUR 112m



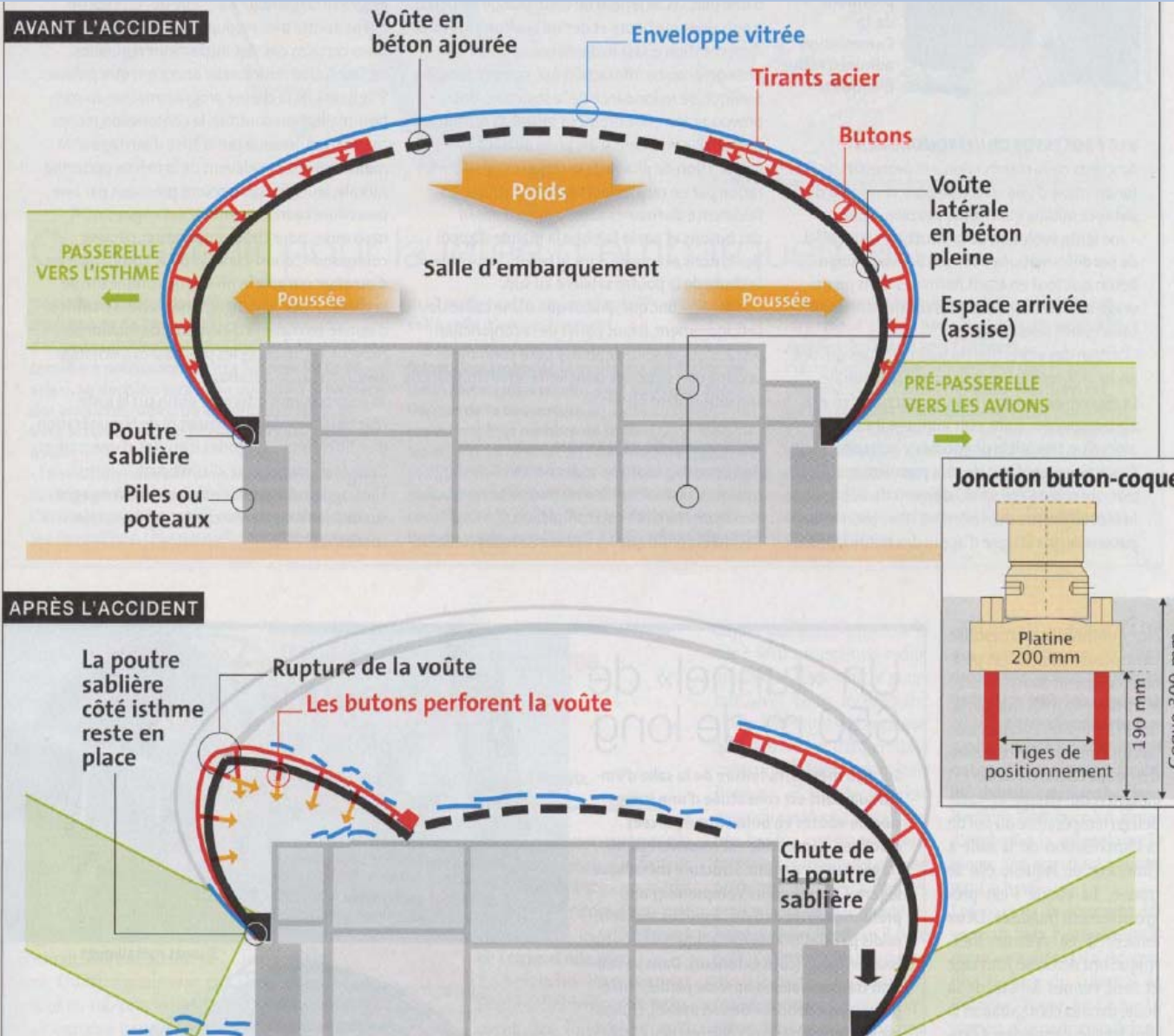
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Decennial Insurance: Major losses Lessons learned

- Prestigious buildings are not free of loss
- TIS should be involved since the design stage
- Too low the fees of TIS, the more losses you can expect
- Very modern architecture can cause unexpected losses
- Are prototypes insurable?

Decennial Insurance: Major losses

Lessons learned



Is this building likely to be insured?



Thank you for your attention!

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