

Designing Out Fall Hazards: Safe Access in Buildings & Infrastructure

WAH Symposium . 05.02.2026

Ar. Jeremy Chan
Architectural Director . Design for Safety Professional
Thymn Pte Ltd

What is Design for Safety (DfS)?

Process introduced to look for ways to improve Design before construction, in order to enhance safety of upcoming construction and future occupancy and maintenance.

1. Are fall hazards intuitive?



Are fall hazards intuitive?

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Is this intuitive?



Was this intuitive?



Source: Today Online



Source: The Straits Times



Jonathan's father, mechanical engineer Matthew Chow, 55, was in court on Thursday and he told reporters that "time will heal".

He added: "We are all very sad and miss him. I hope this incident will have a higher purpose. Hopefully, public spaces will be more safe for everyone."

Mr Chow had earlier called for more safety measures at the walkway.

The Straits Times reported in March that according to experts, Orchard Central's owner Far East Organisation had complied with safety standards and building codes.

Still, some said extra precautions may be helpful.

Associate Professor Chui Yoon Ping, head of the human factors in safety programme at SIM University, had then said that a "false perception" might be created when the structure in question, which was long, solid and wide, looked like a concrete structure that could bear weight.

"Say if it was thinner or slanted at an angle, or narrower, or looked flimsy - someone would think twice before standing on it or jumping on it," she said.

However, architect Zahidi Abdul Rahman felt that extra safety measures such as warning signs would be superfluous.

"The barrier is more than sufficient to tell people that this is something they should not cross over. Accidents are unfortunate, but common sense should prevail, and we should not over-regulate," he said.

The Building and Construction Authority had said that building features such as ledges that are not load-bearing and made of lightweight material are not considered structural elements, and are therefore not regulated.



What about less regulated areas?

2. Can these hazards be designed out?



Can these hazards
be designed out?



Can these hazards
be designed out?

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29 households in Boon Keng HDB block affected by burst wastewater pipe

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The Jalan Besar Town Council was informed of the burst pipe at Block 1B Kempas Road at about 8.30am on Jan 21.

PHOTOS: INTELLIGENTHOME2342/REDDIT

Is this safer?



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Is this safer?

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Is this safest?



3. Can you be *too* safe?

Can you be *too* safe?



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Is this *too* safe?

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Is this still safe?

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Is this the safest?



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