

WHAT IS DESIGN FOR SAFETY

Design for Safety or DfS in short, is about identifying and managing risks right from the design and planning of a building project, to the construction and maintenance phases. Any foreseeable risks should be communicated to all stakeholders throughout the project lifecycle.



Risks should be **eliminated and reduced to As Low As Reasonably Practicable (ALARP)** from project design to construction and maintenance phases.

The WSH (DfS) Regulations will be **effective from 1 August 2016** and is applicable for all construction projects with contract value of \$10 million and above.

Any **residual risks are to be made known** to all stakeholders, including Developer, Designer, Contractor, Building owner, Occupier, Workers etc.

WHO ARE THE STAKEHOLDERS AND WHAT ARE THEIR DUTIES?

Risk Mitigation Principles:

- 1 Eliminate all foreseeable risks at the design stage
- 2 Where it is not reasonably practicable to eliminate, to reduce design risks to ALARP, taking into account:
 - i) Reduce design risks at source
 - ii) Collective protective measures instead of individual protective measures
- 3 The person who creates the risks must be responsible to manage the risks

TOGETHER, WE CAN ACHIEVE



REDUCED DESIGN RISKS



BETTER COORDINATION



IMPROVED PRODUCTIVITY



SAFER & HEALTHIER WORKERS



DEVELOPERS

- Together with the Designer, ensure foreseeable design risks are eliminated or reduced
- Communicate foreseeable design risks, allocate sufficient time and appropriate resources for Designers and Contractors to perform their duties



DfS PROFESSIONALS

- Convene DfS Review Meetings on behalf of Developer
- Keep an updated copy of DfS Register
- Provide all relevant information on each foreseeable risk identified and its mitigation to the Developer



DESIGNERS

- Ensure foreseeable design risks are eliminated or reduced through the design plan
- Collective protective measures are taken to manage any residual design risks
- Ensure all relevant information on the design, construction and maintenance are available to stakeholders



CONTRACTORS

- Inform Developer or Main contractor of any foreseeable risks
- Provide all relevant information and ensure persons hired are competent to carry out their duties



OWNERS

- Keep a copy of the DfS Register, communicate all foreseeable risks to persons carrying out maintenance and future works
- Hand over DfS Register to future owners

* For more information, please refer to www.wshc.sg/designforsafety

* For information on "DfS for Professional" course and list of Accredited Training Providers, please refer to https://www.wshc.sg/files/wshc/upload/cms/file/DfS_Professionals_Course.pdf