

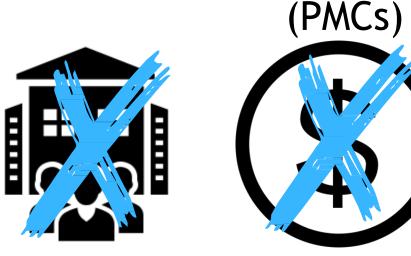
Applicability of Fire Services Installation in "Three-nil" Buildings

Miss IP Wai Lam, BSc (Hons) in Surveying, Faculty of Design and Environment Supervisor: Sr Prof HO Chi Wing Daniel, Associate Dean





Property Owners' Corporations management (OCs) companies



Residents' Cash flow organisations



Fire services installation

Aging of

structural

External Factors



Cap. 572 Fire Safety (Buildings) Ordinance Code of practice for fire safety in

buildings



Fire Safety Ambassador Promotion for portable equipment & Stand-alone fire detectors (SFD)

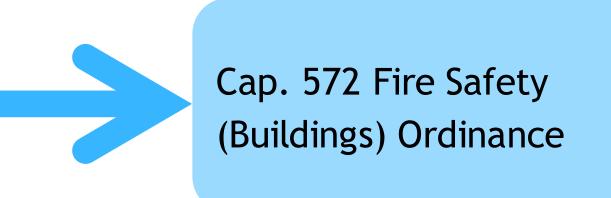
Community Care Fund-Subsidy for Owners' Corporations of Old Buildings



Fire Safety Direction Support Service Scheme Fire Safety Improvement Works Subsidy Scheme

Operation Building Bright 2.0 Lift Modernisation Subsidy Scheme

For "Three-nil" buildings

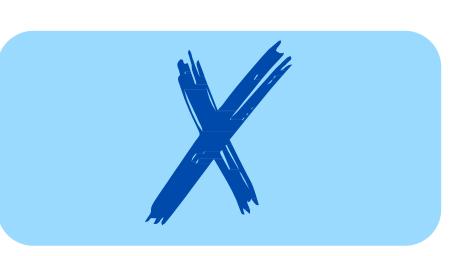




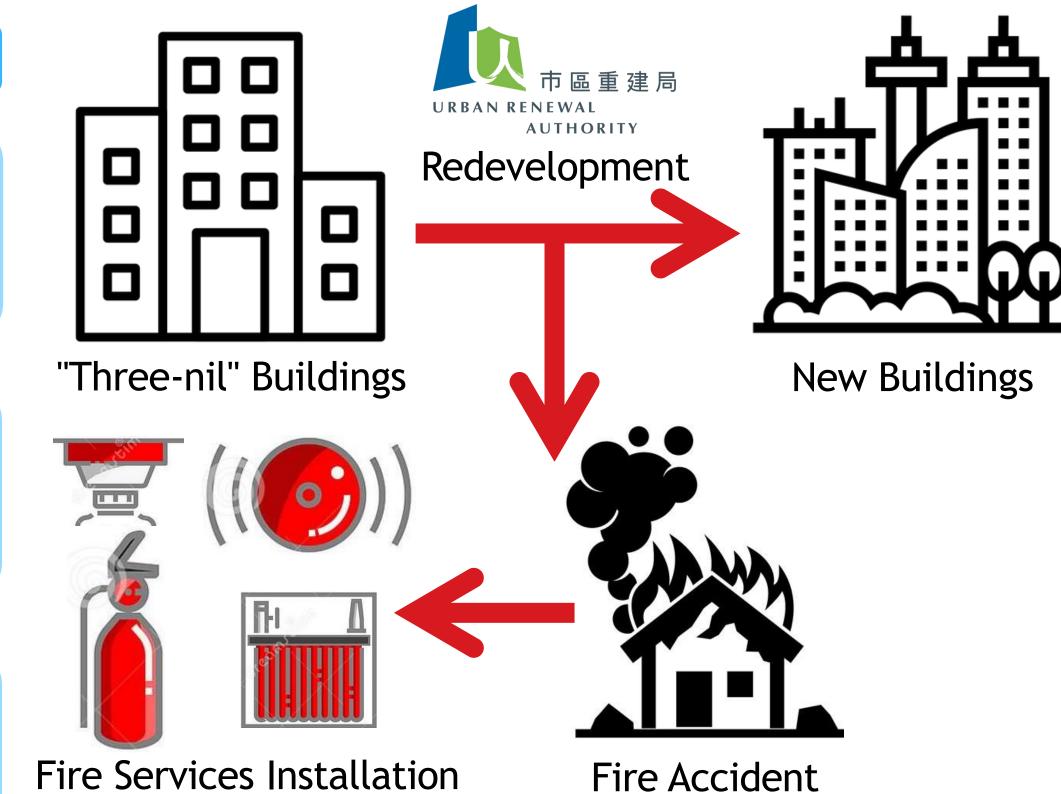
Portable equipment



- **RLA Scheme**
- Cleansing of Common Parts of Buildings



Objectives of the study



Hypothesis

- 1. The fixed fire services installation can assist "three-nil" buildings
- Residents willing to use portable fire equipment than oppose to fixed fire services installations

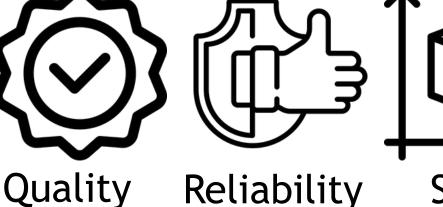
Methodology

The Standard of Selection



Cost





Reliability Size

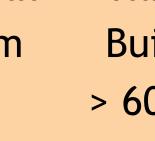
Power source

Quantitative Method



Yau Tsim Mong

District



Buildings



> 60 years; < 10 storeys



Q1: Do you think the building needs to install fire services? Q2: Assume you had a fire, can you think of any difficulties in the escape route?

Qualitative Method

Interviews -Contractors

-Fire supplies retailers



service construction work for "three-nil" buildings before? Q2: What difficulties did you face when fighting the fire in "three-nil" buildings?

Findings and Discussions

Questionnaire Survey

Current "three-nil" buildings conditions

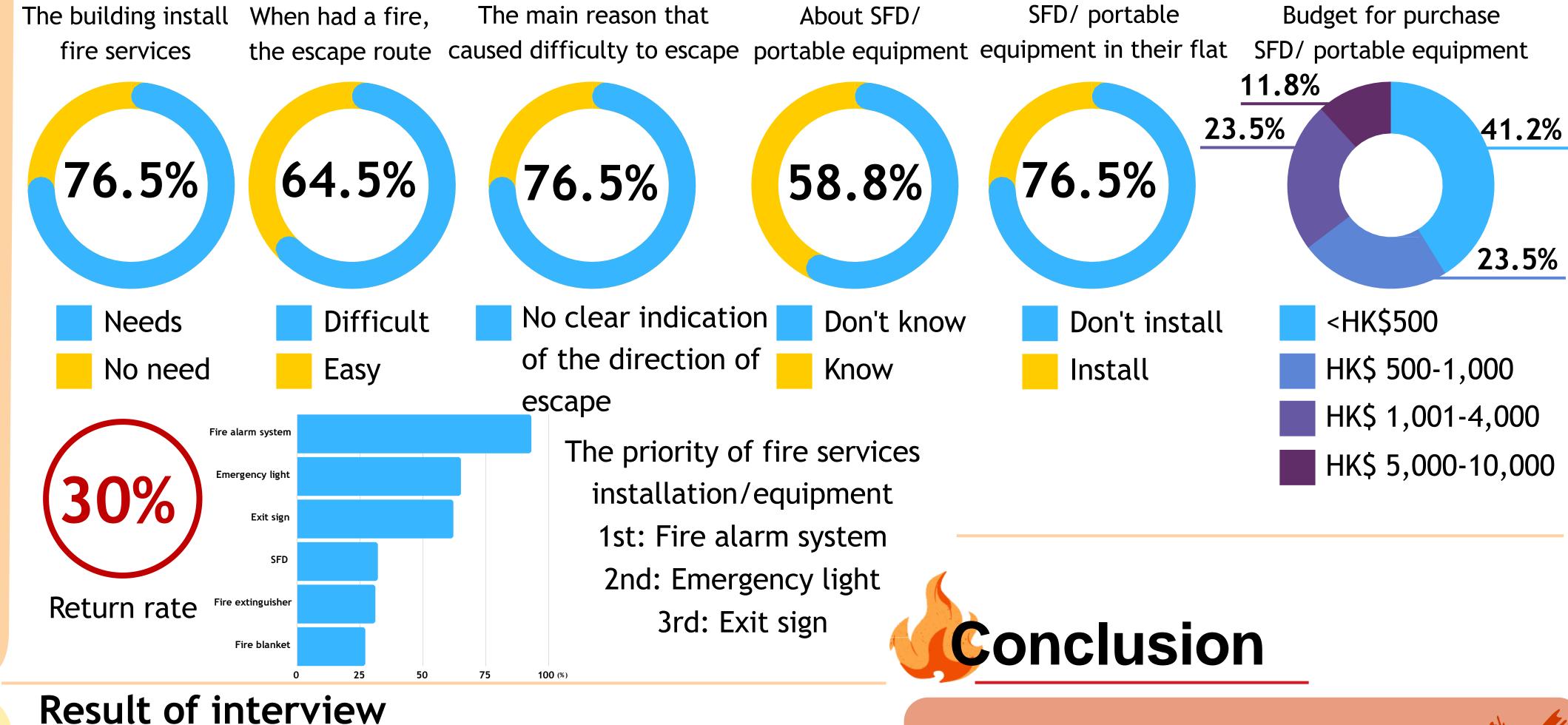


Figure 1: Exposed reinforcement on ceiling

Figure 2: The garbage placed in the staircase

(Photo taken on 04-02-2023) (Photo taken on 09-02-2023)

Result of questionnaire survey







retailers

Fire supplies

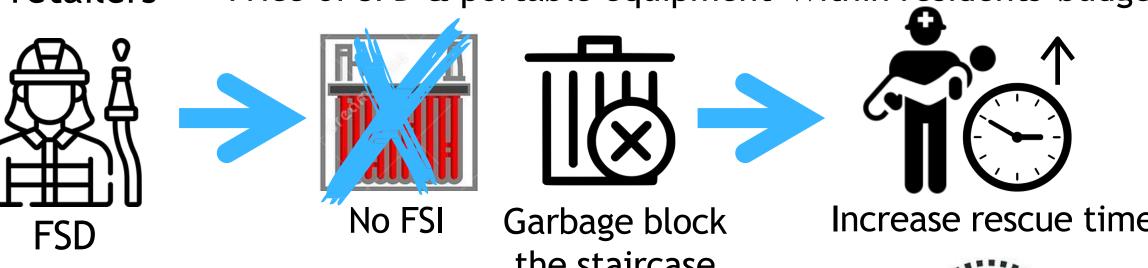








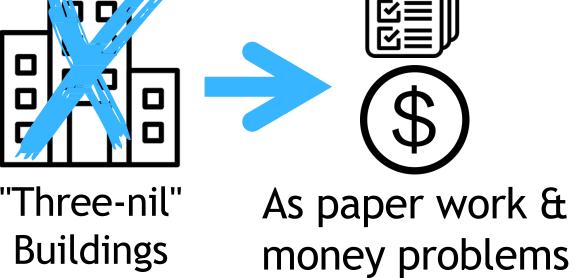
Price of SFD & portable equipment Within residents' budget

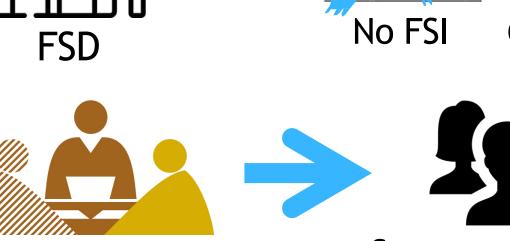




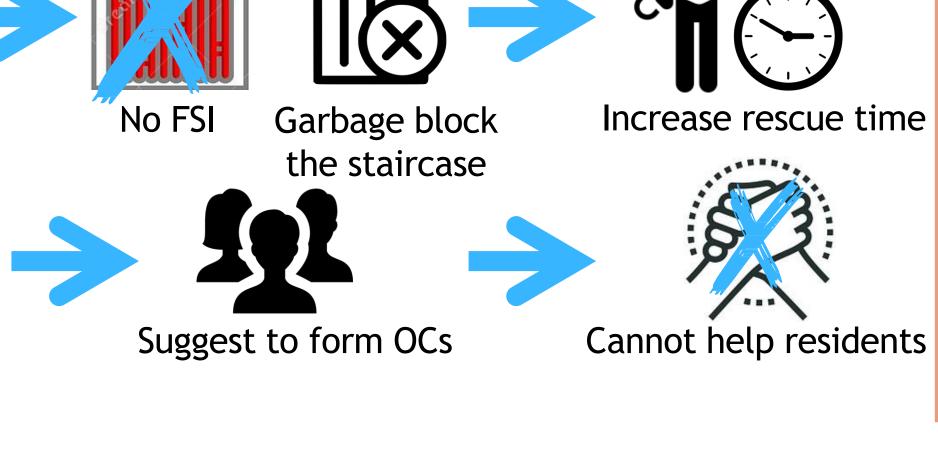


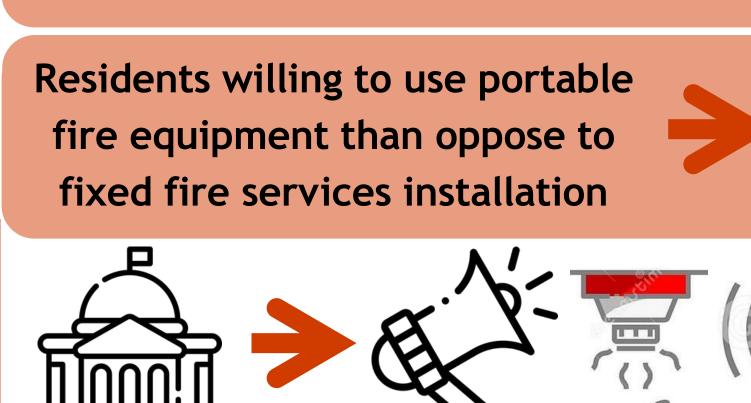
Result of interview





HAD





The fixed fire services installation

can assist "three-nil" buildings.



Member of **VTC** Group