



昇捷控股有限公司 Synergis Holdings Limited

新型自製手提式水浸警報器 Novel homemade portable flood alarm

解決方法 SOLUTION

- 因應升降機槽底環境，工程部門自行設計及製作手提式水浸警報器，7x24全天候監察機槽情況。
- 當警報器偵察到滲水情況，警報顯示屏會亮燈及發出聲響，通知職員跟進。
- Technical staff designed and made a portable flood alarm to suit the lift environment. It provides 7x24 monitoring.
- When water comes in contact with the sensor, it activates the alarm at the security control room. The blinking light and an audible sound would alert the staff in charge to follow up.

成果及效益 ACHIEVEMENT & BENEFIT

- 減低升降機槽底積水損壞升降機零件的風險。
- 減少維修升降機的支出，同時亦減輕屋邨財政負擔。
- 減少升降機停用待修對業戶帶來的不便。
- 新水浸警報器物料及裝置費用便宜，較傳統類似功能的設備優勝。
- 法團及住戶讚賞創意。
- Reduce the risk of lift parts damage by water at the bottom of the lift shaft.
- Reduce lift repairing cost as well as the financial burden of the estate.
- Reduce the inconveniences caused by lift service suspension.
- The new device is cheaper but more superior than the traditional product.
- Appreciated by the incorporated owners and residents.



團隊名稱 Team Name	太和圈 Tai Wo Circle
成立日期 Date of Formation	2002年 2002
業務單位 Business Unit	太和邨 Tai Wo Estate
部門促進員 Team Facilitator	劉鎮聲 Jason Lau
隊長 Team Leader	簡德昌 岑文標 Ken Kan Bill Shum
團隊 Team Members	羅俊昌 麥暉明 謝倩婷 陳詠琪 蘇雪盈 梁健恆 張德宗 葉映瑜 Rex Law Daniel Mak Zora Tse Vicky Chan Yennis So Hang Leung Terence Cheung Amy Yip

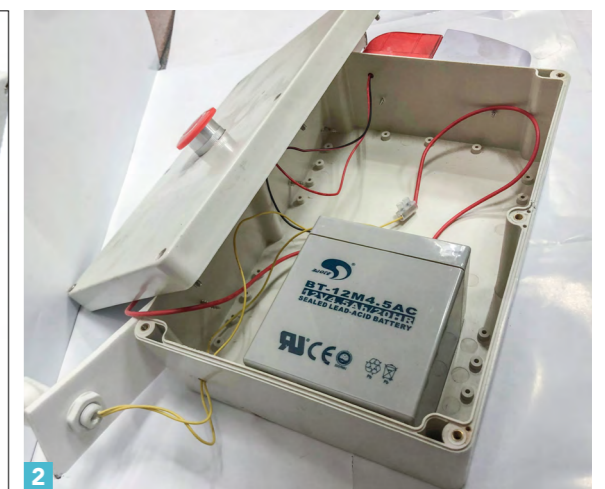
背景 BACKGROUND

位於大埔的太和邨樓齡屆30年，屋邨設施包括地底喉管等開始老化，間中會出現滲漏。當位處升降機底的地底喉管爆裂，導致嚴重滲漏時，升降機槽可能會出現積水及水浸，損壞升降機機件，升降機需停用待修。維修不但增加屋邨的財政負擔，升降機停用待修期間亦會為住戶帶來不便。

Facilities including piping of the 30-year-old Tai Wo Estate in Tai Po has been aging and would cause leakage problem from time to time. When one of the underground pipes beneath of lift shaft burst with serious leakage, it may cause water immersion and damages to the lift parts. Lift service would therefore be suspended for repairing. Frequent repairing would not only increase the financial burden of the estate, but also cause inconveniences to residents.

問題成因 CAUSE OF THE PROBLEM

- 升降機底的喉管老化問題不容易察覺，單靠升降機保養公司每兩個星期一次的日常升降機保養檢查，往往未能及時發現升降機槽有否積水及水浸。
- 屋苑沒有合資格技術員可自行升高升降機以進行槽底檢查。
- 傳統水浸警報器較為昂貴，亦不適合升降機槽環境使用。
- It is not easy, if not impossible, to detect aging problem of underground pipes beneath of lift shaft nor find out if there is any water or flooding in the lift shaft during the bi-weekly regular lift maintenance service.
- There is no qualified technician in the estate to operate the lift and perform the checking.
- Traditional flood alarms are expensive and not suitable to use in lift shaft.



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2 新水浸警報器的設計並不複雜，但功能較傳統類似功能的設備優勝。
The design of the new device is not complicated, but its performance is much better than similar products.