World Sustainable Built Environment Conference 2017 Hong Kong

A Discussion on the Benefits of Environment Performance of the Promotion of Kaohsiung Green Building Specialties Policy

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International Co-owners:







INTRODUCTION 10/14 15:20

Central Weather Bureau



Source: :20161014 website of Central Weather Bureau

Flood



Meinung town in Kaohsiung county

Drought

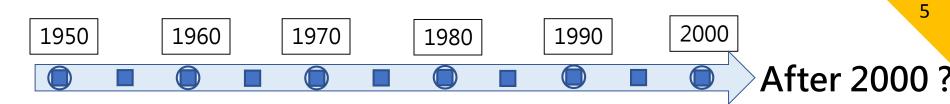


Zengwun Reservoir

To respond the changes of global climate
Think Locally · Act Globally
Faced at the problems of high carbon emission, alternations of floods and droughts, the air pollution of PM 2.5

Industrial city

PM2.5





Problem solving resolution---Kaohsiung Housing project





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Sustainable. Green energy. Health. Happy. Care



International Exchange-signed a cooperation agreement with Japan Osaka, Singapore, the Netherlands and other five cities



2014 同 4日 和 Kaohsiung LOHAS Building: nat

national Conference 準暦MOU簽署會議・高

2014 SBS Sustainable Building Center in Netherlands

in Singapore

13 SEMI International Semiconduc

Kaohsiung Housing project

高市一公寓大火(-名男童(左圖)逃生時從6樓 墜至2樓遮雨棚·送醫無礙。 侯昌騰攝







caused 17 casualties 6 child fell on the house 報105083 N

窗,不慎跌落遮雨棚,幸無大礙,警消正調並送醫,其中一名十一歲男童在逃生時爬待救援,情況危急,警消急忙救出十七傷患火海和濃煙中,不少人爬出陽台在鐵窗內等年老舊公寓昨晨發生火警,近百名住戶受困【地方中心/高雄報導】高市一棟三十 查是否有人為縱火。窗,不慎跌落遮雨棚

爬窗時從六樓墜下

礙, 台, 百分之 **高樓層竄**升 獲救的徐姓婦 至十五, 棟七樓公寓失火 嚴重燒傷 - 林姓男子(二十九歲); - 毛姓男子(三十五歲); 警消調查, 其他都是輕微嗆傷及擦傷。 他爬窗逃生 消防 呂姓男童 昨晨二時許 (五十 人員衝入火 , 五歳) 樓陷入 從六 減緩衝力,送醫無 燒傷面積百分之 燒傷面積百分之 (火海・濃煙)、鳳山區福祥) (場救) 雙腳百分之五(場救人,率先 歳し **樓**跌落二樓露 燒傷面積 濃煙往

我媽縱火」 2、小心情愉快,且父母平日感情融洽,没缓缓縱火」,強調自己剛生產,母親當阿嬷(,但徐婦的女兒林小姐喊冤:「不可能是住戶懷疑住在七樓的徐婦可能涉及縱

警方調查, 聖由縱火。 場殘骸化驗,要盡速查明起火原因。查。消防火調人員調閱監視器畫面並採集火無法確認起火是否和她有關,將進一步調 徐婦插管治療不能說話, ~ 將進一步調



到窗台等待救援。■近百人受困火場,

General Balcony



Kaohsiung Housing project

Universal Design



Un age	iversal for all	

Executive Summary	Reach rate 2012 to 2017	Efficiency	
1. Total carbon reduction	Reduce carbon 5,045tons	11.65 million trees carbon fixation	
2. Building rainwater collection and storage	Storage339,290m ³	Approximately 180 international standard pools	
3. Solar photoelectric energy	Set up18,611kWp	About 17.9 seats in the Kaohsiung National Stadium	
4. All-age appropriate space	It has 17,673 residential use for universal bathroom design		
5. Vertical greening volume	total265,139m ²	About 40 international standard football fields area	

Kaohsiung Housing project

Kaohsiung Megawatts(MW) Photoelectric Project

Solar Photovoltaic



4 years to set 150 million

Mega Watt •2015/22.5 million kWh electricity •2016/30million kWh electricity •2017/45million kWh electricity •2018/52.5 million kWh electricity **Increase energy**

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208 million kWh electricity

Reduce carbon 13.23 million tons







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Warmly welcome you to visit Kaohsiung Thank You for Listening

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