

The Hong Kong Institution of Engineers

Young Members Committee

SINCE 1985

HK工E THE HONG KONG
INSTITUTION OF ENGINEERS
香港工程師學會

4th Anniversary
Your Dreams 群策群力
Our Goals 建未來

THE HKIE

Established in 1947, incorporated in 1975
HKIE Ordinance, Chapter 1105 of Law of HK

Two Roles

(1) Qualifying Body:

- Sets standards for training and admission of professional engineers
- Governs conduct of Members

(2) Learned Society:

- Keeps members abreast of latest engineering development through seminars, visits, delegations, etc.

21 Qualifying Disciplines

Aircraft

Biomedical

Building

Building Services

Chemical

Civil

Control, Automation & Instrumentation

Electrical

Electronics

Energy

Environmental

Fire

Gas

Geotechnical

Information

Logistics & Transportation

Manufacturing & Industrial

Marine & Naval Architecture

Materials

Mechanical

Structural

YOUNG MEMBERS COMMITTEE

> 5,000

Registered Young Members

Around 8,000

Eligible Members

1. **Community Services**
2. **Graduates Promotion**
3. **Human Resources**
4. **Non-technical Programme**
5. **Public Relations**
6. **Publicity and Webmaster**
7. **Seminars**
8. **Social, Cultural and Arts**
9. **Sports and Recreations**
10. **Students Promotion**
11. **Visits**
12. **Special Events**

ENGINEERING IN HONG KONG

- **Climate Change**
- **Land Supply**
- **Rapid Growth and Urbanization**



CLIMATE CHANGE

FLOODING PROBLEM IN URBAN DISTRICTS



07.06.2008 摩理臣山道及皇后大道東交界
Junction of Morrison Hill Road and Queen's Road East



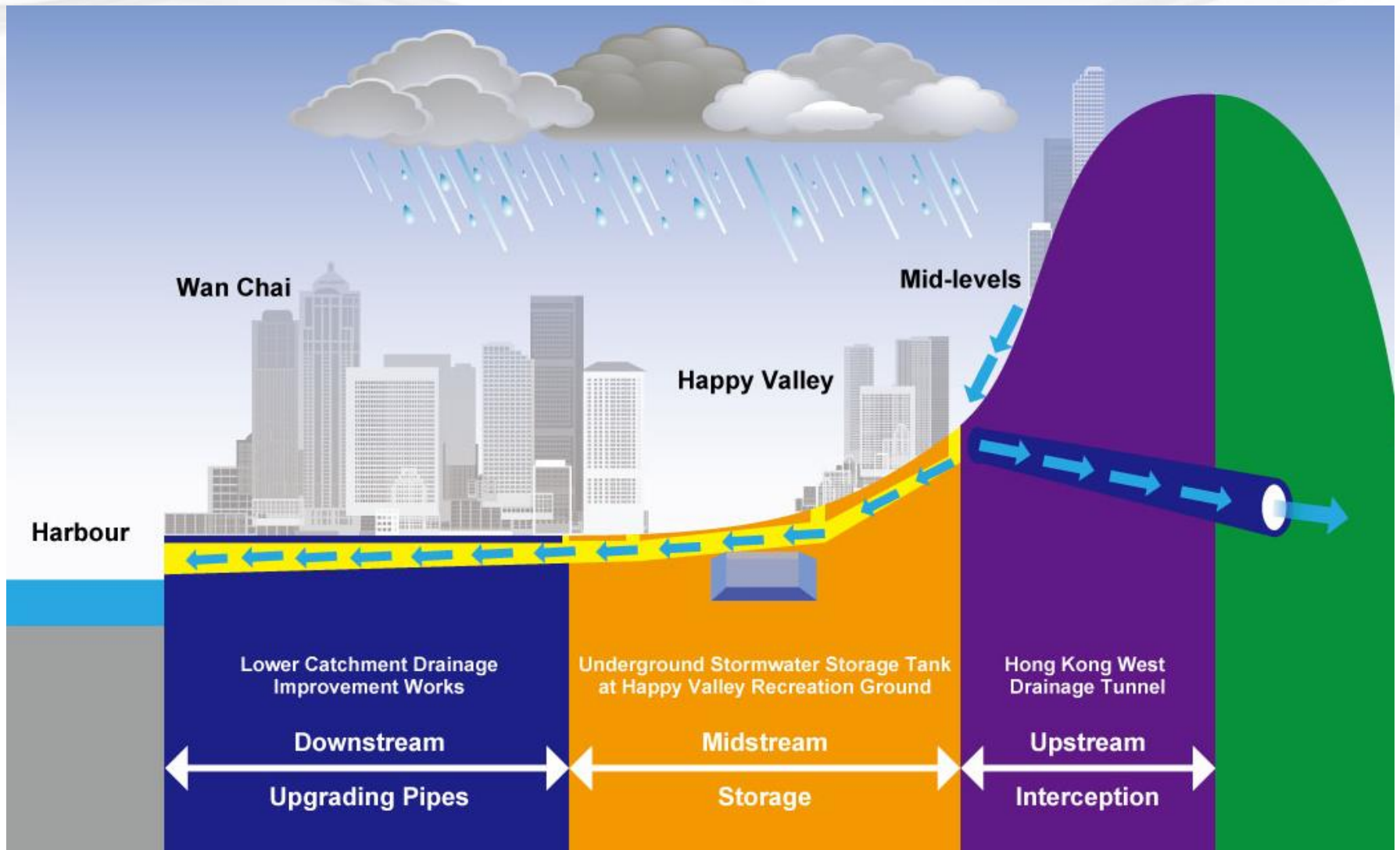
07.06.2008
軒尼詩道
Hennessy Road



07.06.2008 跑馬地馬場場中 Infield of Happy Valley racecourse

CLIMATE CHANGE

Three approaches to alleviate flooding risks:



LAND SUPPLY

HKU CENTENNIAL CAMPUS & RE-PROVISIONING OF WATER RESERVOIR



RAPID GROWTH AND URBANIZATION

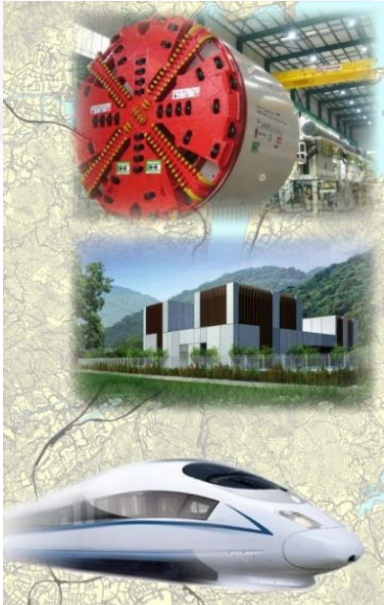
| | |
|-------------------|--------|
| From Hong Kong to | Time |
| Beijing | 10 hrs |
| Shanghai | 8 hrs |
| Wuhan | 5 hrs |
| Xiamen | 4 hrs |
| Guangzhou | 48 min |



Mainland High-Speed Rail Network

RAPID GROWTH AND URBANIZATION

WEST KOWLOON TERMINUS



END

CLIMATE CHANGE

- Increasingly heavy rainfall events, causing flash flooding and landslide hazards
- Aging drainage system
- Highly developed urban area calls for higher drainage capacity
 - Ensure slope safety and reduce landslide danger
 - Replace existing system with more robust engineering
 - Install stormwater storage tanks

LAND SUPPLY

NATURE AND HERITAGE CONSERVATION

