Tour to New Zealand (2002)
紐西蘭之旅

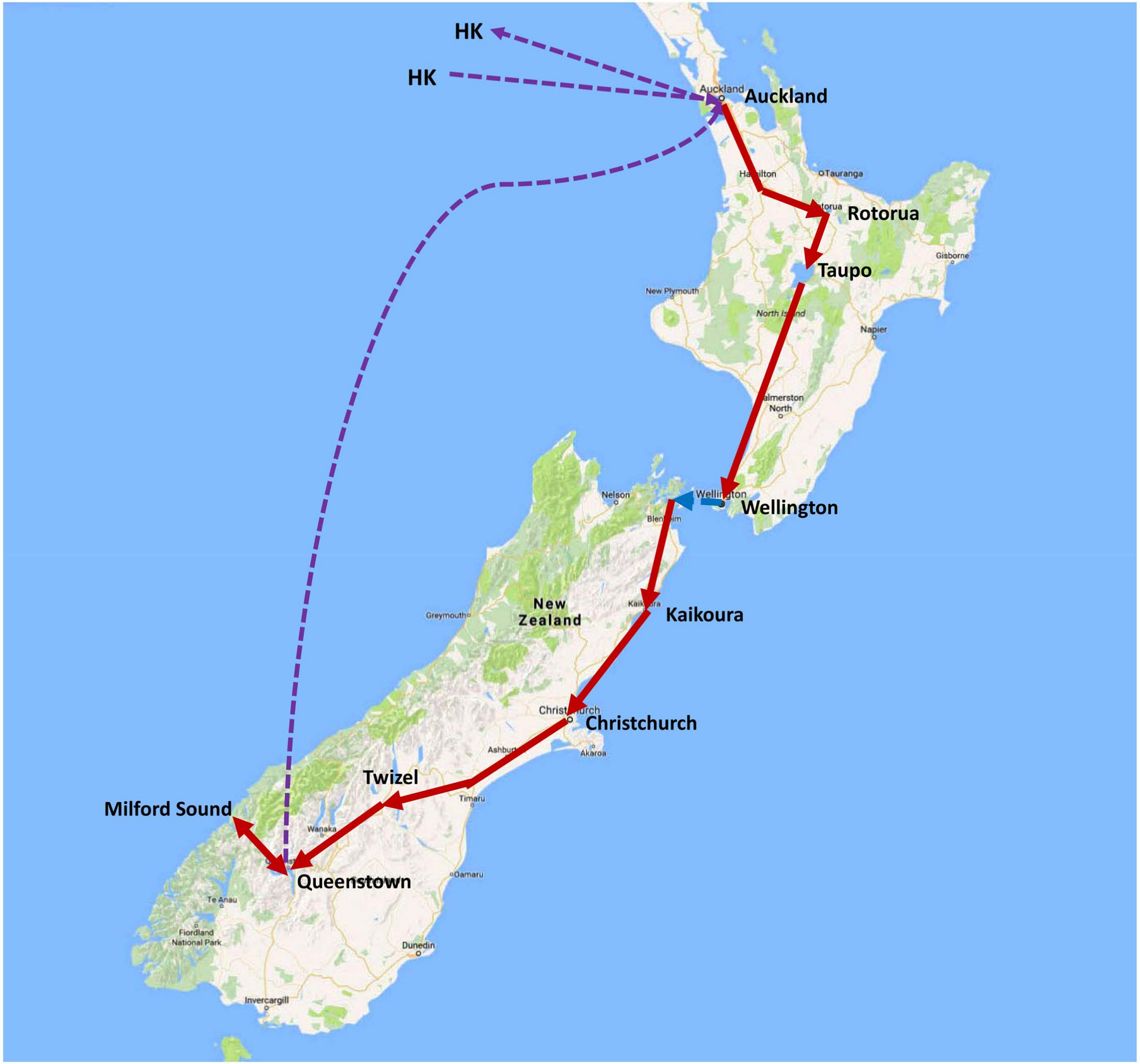






16.3.2002 - 30.3.2002

Tour to New Zealand (Mar 2002)



17.3.2002　Auckland　奧克蘭 (紐西蘭)



Mount Eden 伊甸山







17.3.2002　Auckland　奧克蘭 (紐西蘭)









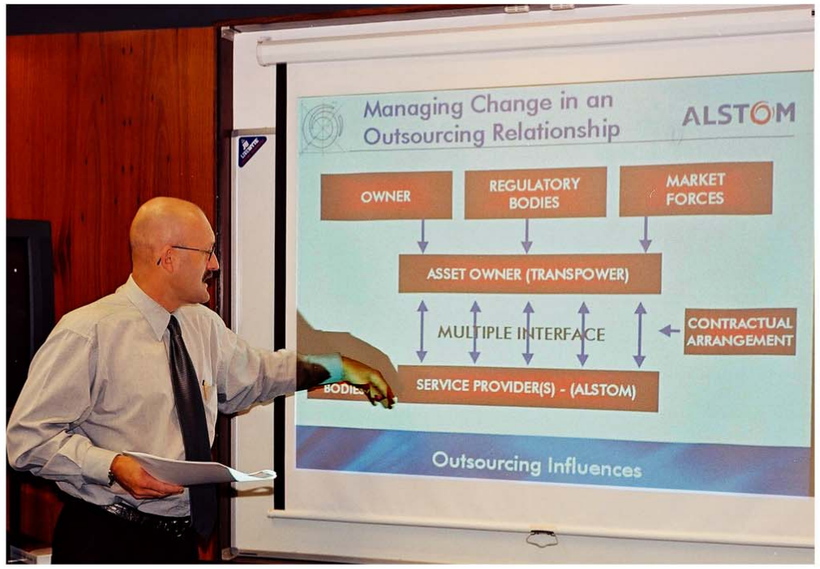




18.3.2002 Auckland 奧克蘭

Visit to Alstom

















18.3.2002　Auckland　奧克蘭















18.3.2002　Auckland　奧克蘭







Visit to NZ National Grid Control　參觀電網調度室



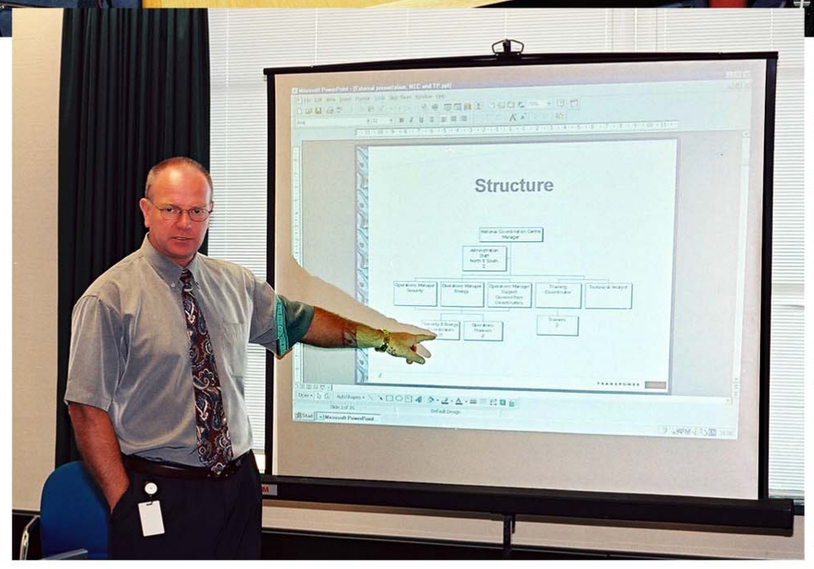




Visit to NZ National Grid Control (Hamilton)











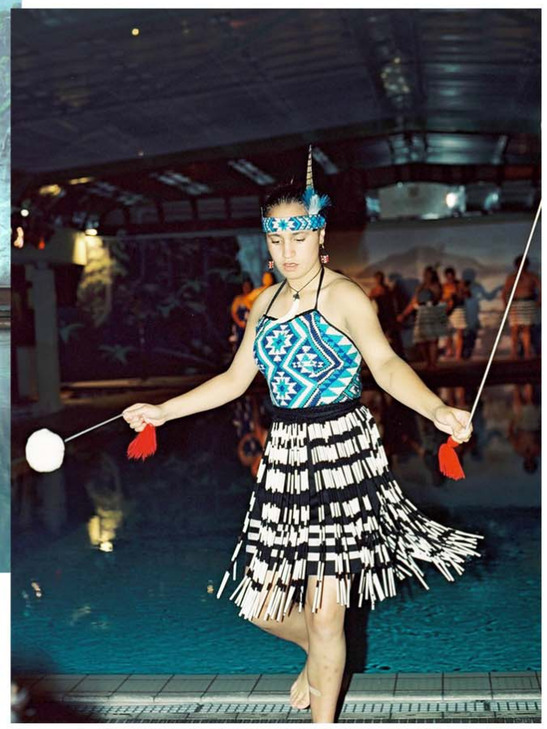






18.3.2002　Rotorua　羅托魯















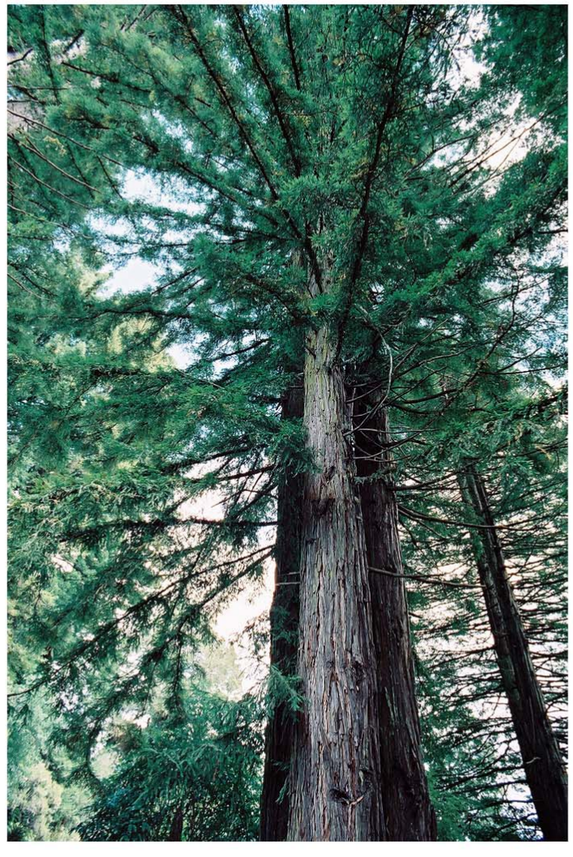


19.3.2002　Rotorua　羅托魯



Waitomo　懷托摩



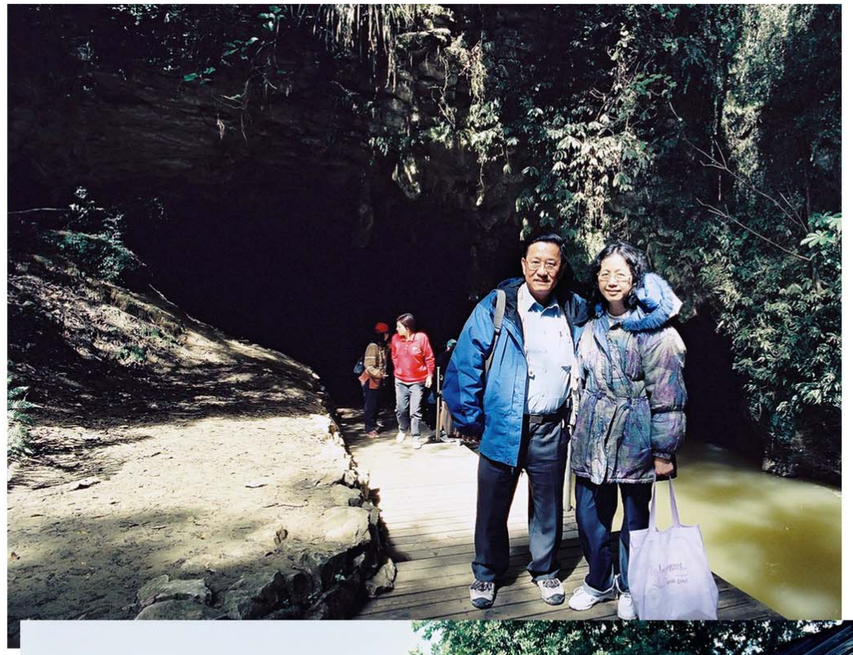






19.3.2002　Rotorua　羅托魯







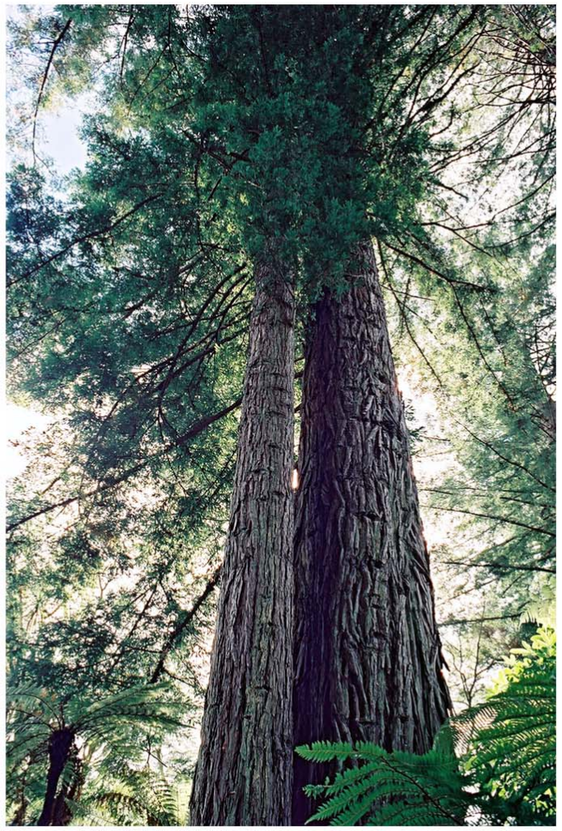














Rainbow Farm Show 參觀農場表演







19.3.2002　Rotorua　羅托魯

Rainbow Farm Show





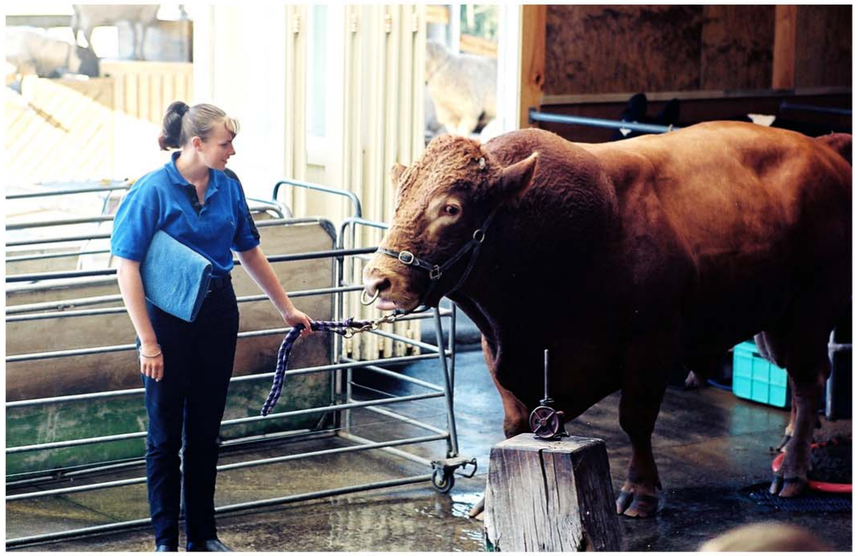




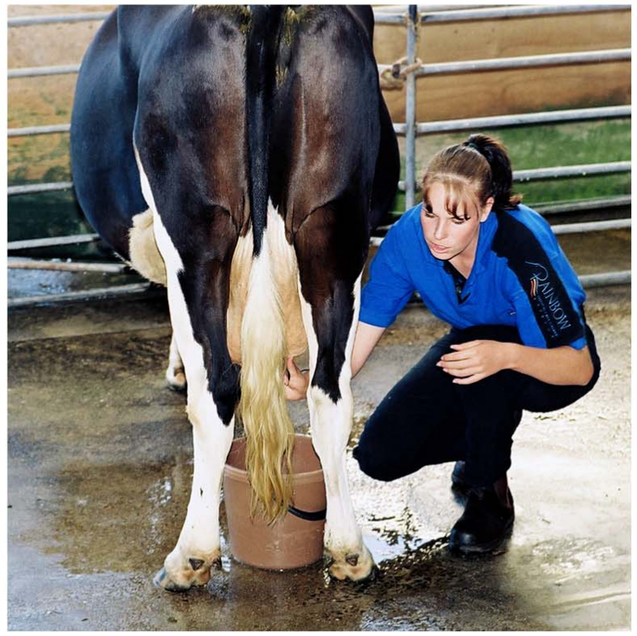


















19.3.2002　Rotorua　羅托魯



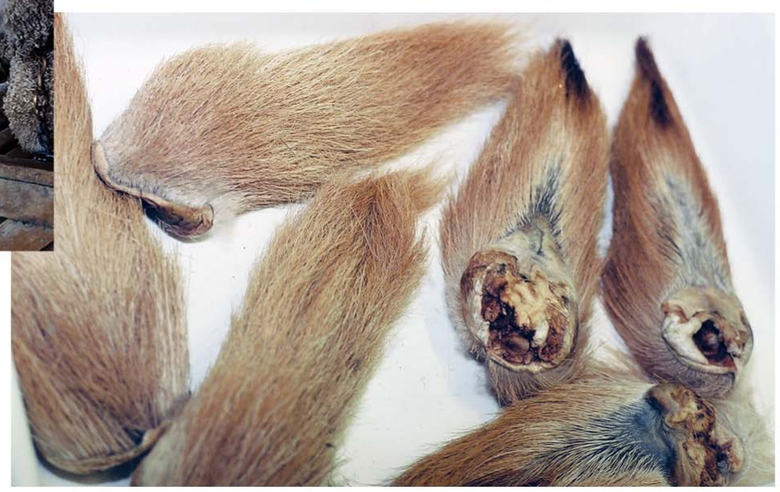














20.3.2002　Rotorua　羅托魯



Aratiata Dam











20.3.2002　Rotokawa



Visit to Mighty River Power　參觀地熱發電廠









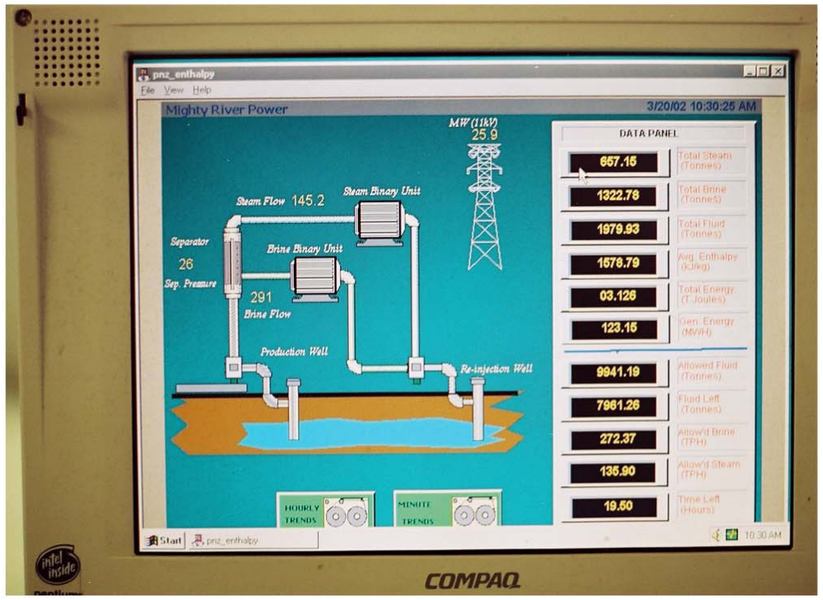









SWL 20 TONNE

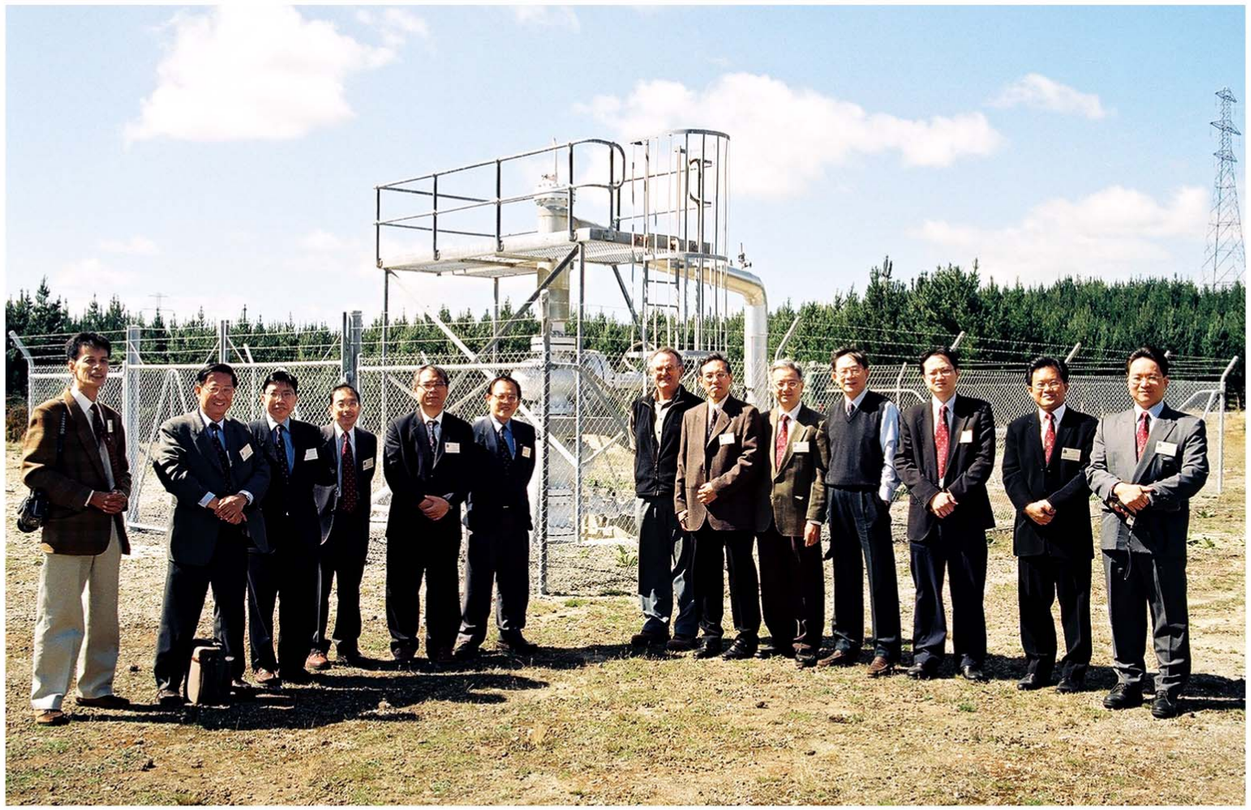

pnz_enthalpy
File View Help
Mighty River Power
3/20/02 10:30:25 AM
MW (11kV)
25.8
DATA PANEL
Steam Flow 145.2
Steam Binary Unit
Separator
26
Sep. Pressure
Brine Binary Unit
291
Brine Flow
Production Well
Re-injection Well
667.15
Total Steam (Tonnes)
1322.78
Total Brine (Tonnes)
1979.93
Total Fluid (Tonnes)
1678.79
Avg. Enthalpy (kJ/kg)
03.126
Total Energy (T Joules)
123.15
Gen. Energy (MWH)
9941.19
Allowed Fluid (Tonnes)
7981.26
Fluid Left (Tonnes)
272.37
Allow'd Brine (TPH)
135.90
Allow'd Steam (TPH)
19.50
Time Left (Hours)
HOURLY TRENDS
MINUTE TRENDS
Start
pnz_enthalpy
10:30 AM
COMPAQ

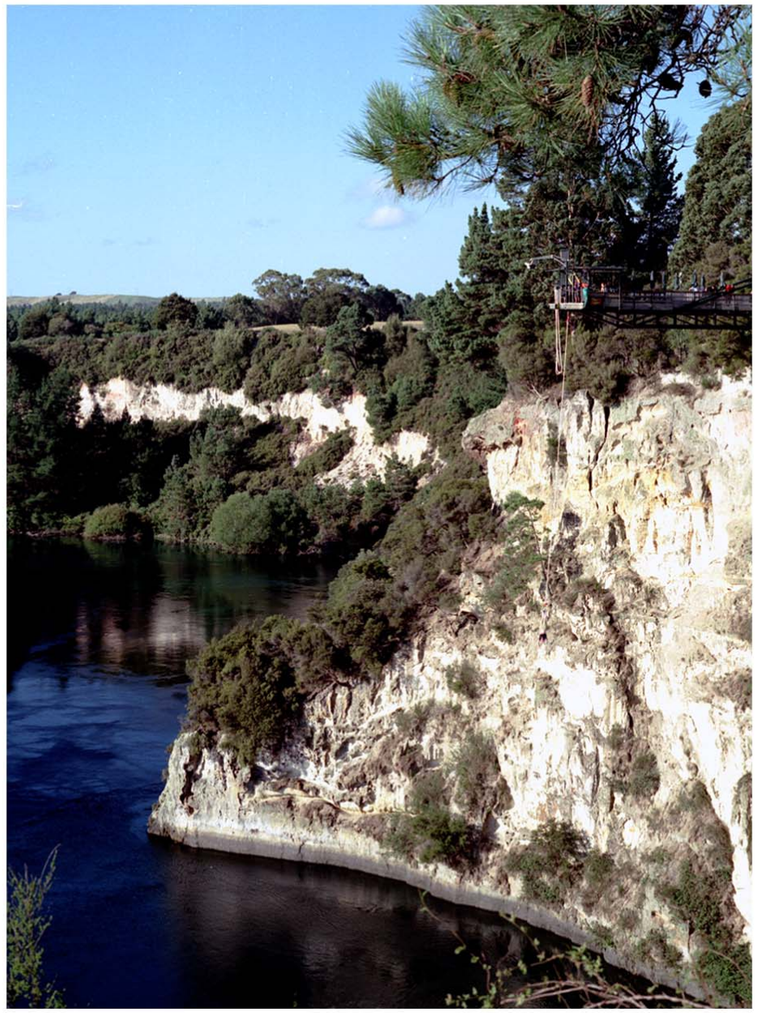












Bungy Jump Lookout

20.3.2002 Wairakei

Huka Jet Boat Ride 快艇之旅













20.3.2002　Taupo　陶波













Lake Taupo　陶波湖



21.3.2002　Taupo　陶波



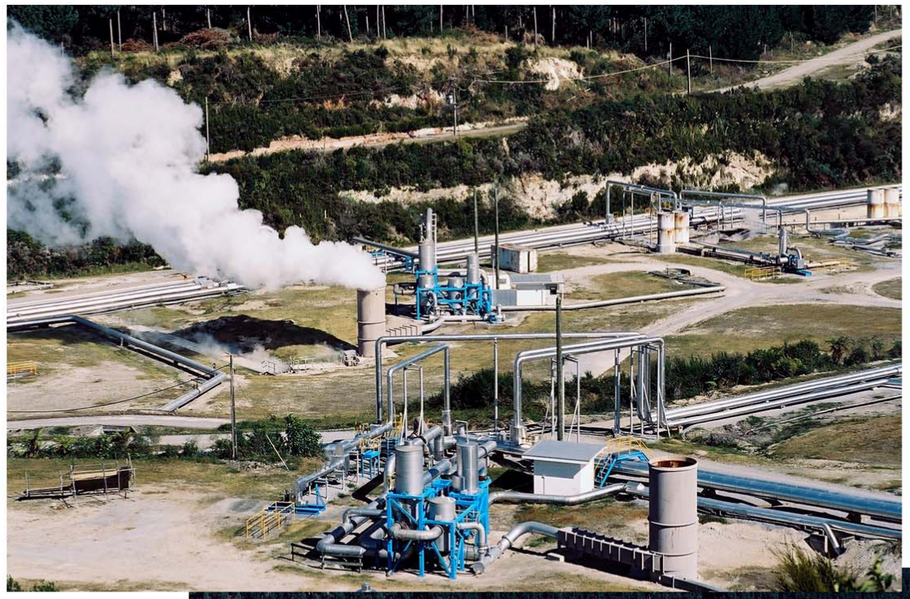











Diagram of typical wellhead equipment, Wairakei
DIAGRAMMATIC LAYOUT OF STEAMFIELD PLANT WAIRAKEI
DIAGRAMMATIC LAYOUT OF STEAMFIELD PLANT, OHAAKI
KEY
1. High pressure production well
2. Intermediate pressure production well
3. High pressure separator
4. Relief tank
5. Intermediate pressure separator
6. Silencer
7. Separated water reinjection pumps
8. Reinjection well
9. Vent valves



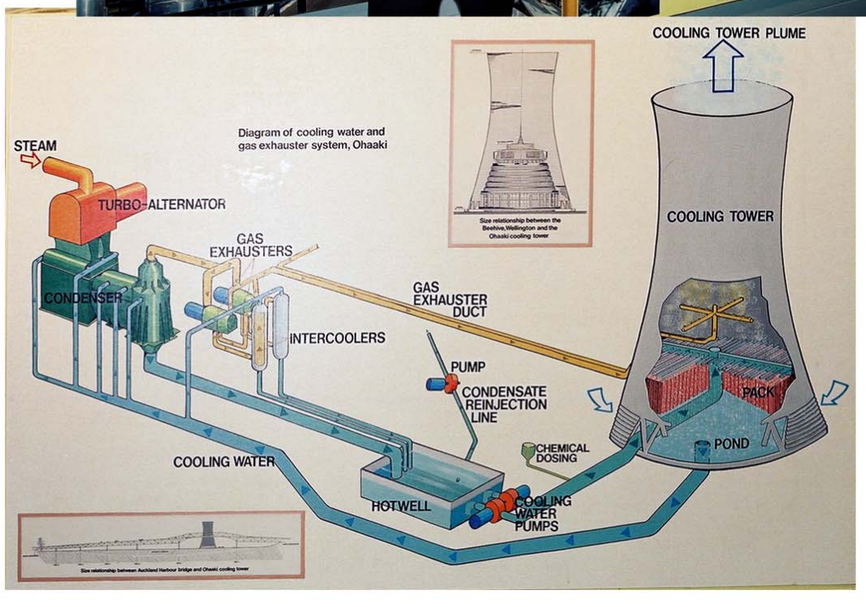

KEY
1. From IP water tanks
2. IP/LP separator (cyclone)
3. IP/LP water tank
4. Float-controlled discharge valve
5. Silencer
6. IP steam main
7. IP/LP steam main
8. Vent houses
9. Safety valves
10. Water tank
11. Orifice plate
12. Bursting disc
13. Bypass valve (closed)
14. Separator (cyclone)
15. Ball check vessel
16. Boreholes 120m to 1500m deep
17. Reinjection well
18. Expansion loop
DIAGRAMMATIC LAYOUT OF STEAMFIELD PLANT WAIRAKEI


DIAGRAMMATIC LAYOUT OF PLANT BY POWER STATION WAIRAKEI
STEAM
TURBO-ALTERNATOR
CONDENSER
GAS EXHAUSTERS
INTERCOOLERS
GAS EXHAUSTER DUCT
COOLING TOWER
PUMP
CONDENSATE REINJECTION LINE
PACK
POND
CHEMICAL DOSING
COOLING WATER
HOTWELL
COOLING WATER PUMPS


SPRINT JET






COOLING TOWER PLUME
Diagram of cooling water and gas exhauster system, Ohaaki
STEAM
TURBO-ALTERNATOR
GAS EXHAUSTERS
CONDENSER
GAS EXHAUSTER DUCT
INTERCOOLERS
COOLING TOWER
PUMP
CONDENSATE REINJECTION LINE
PACK
POND
CHEMICAL DOSING
COOLING WATER
HOTWELL
COOLING WATER PUMPS
Size relationship between the Beehive,Wellington and the Ohaaki cooling tower
Size relationship between Auckland Harbour Bridge and Ohaaki cooling tower

21.3.2002 Wellington 威靈頓







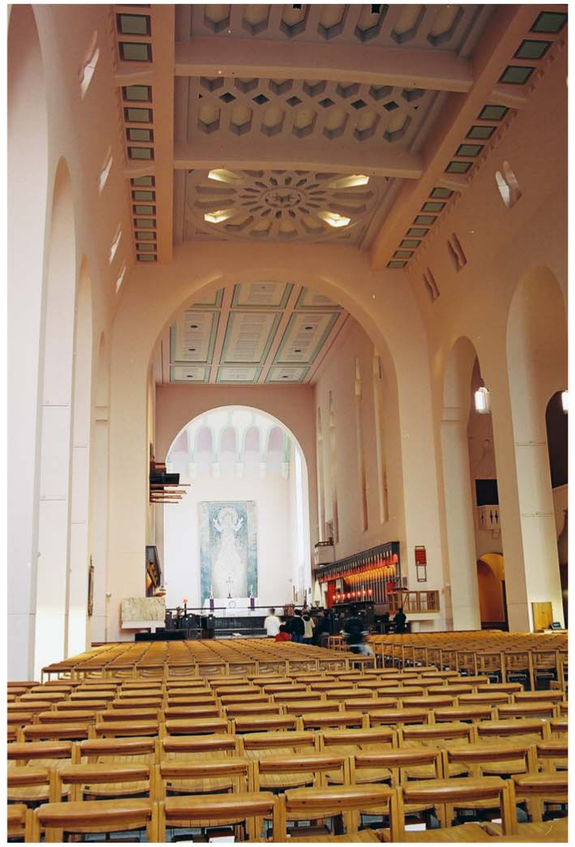






21.3.2002 Wellington 威靈頓



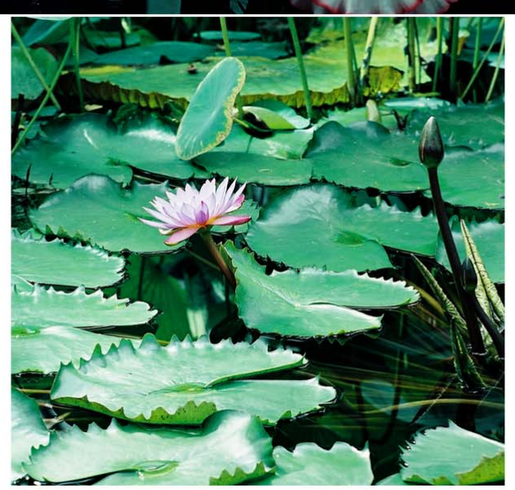














22.3.2002 Wellington 威靈頓

Visit to Pacific Plastics 參觀塑膠廠



















22.3.2002 Wellington 威靈頓

Visit to Pacific Plastics

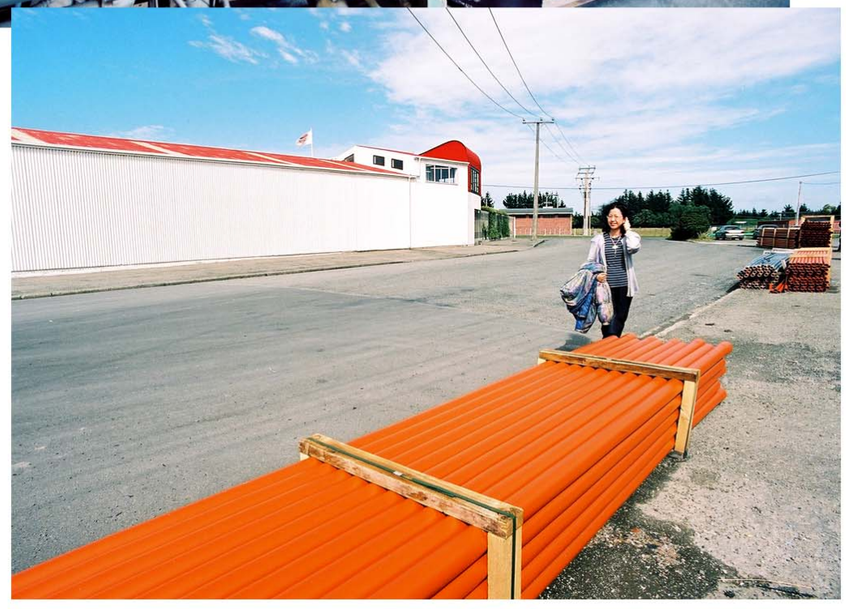












22.3.2002　Wellington　威靈頓



Mount Victoria　維多利亞山







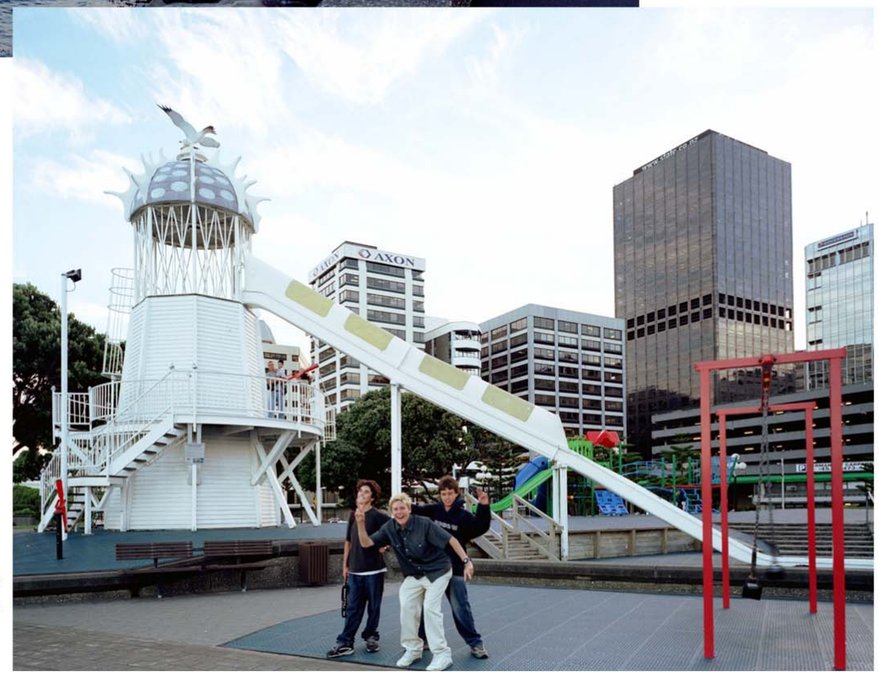






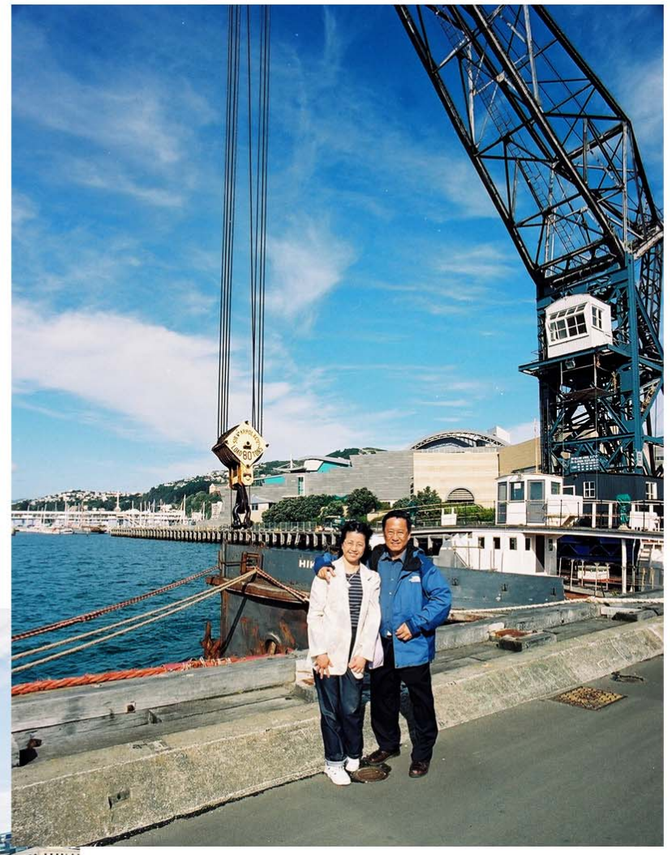




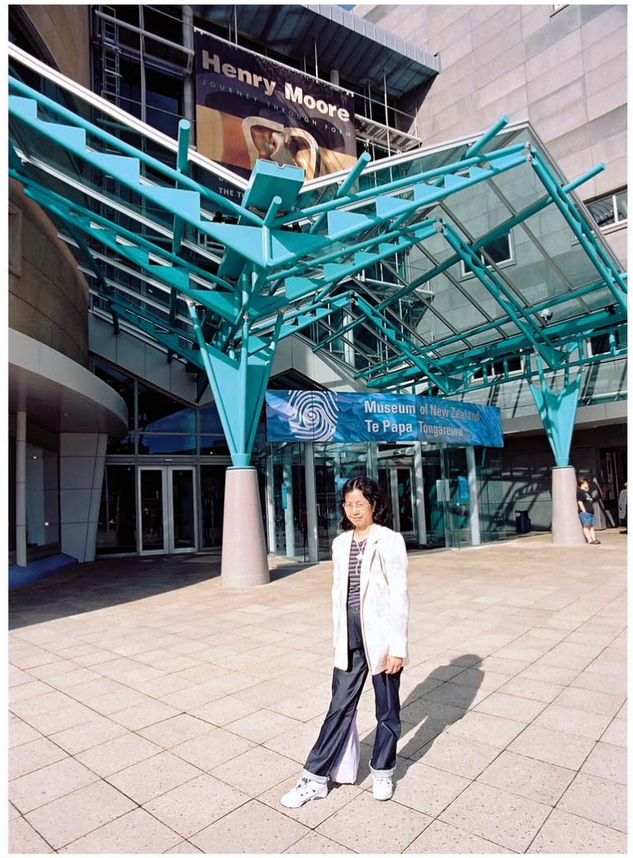


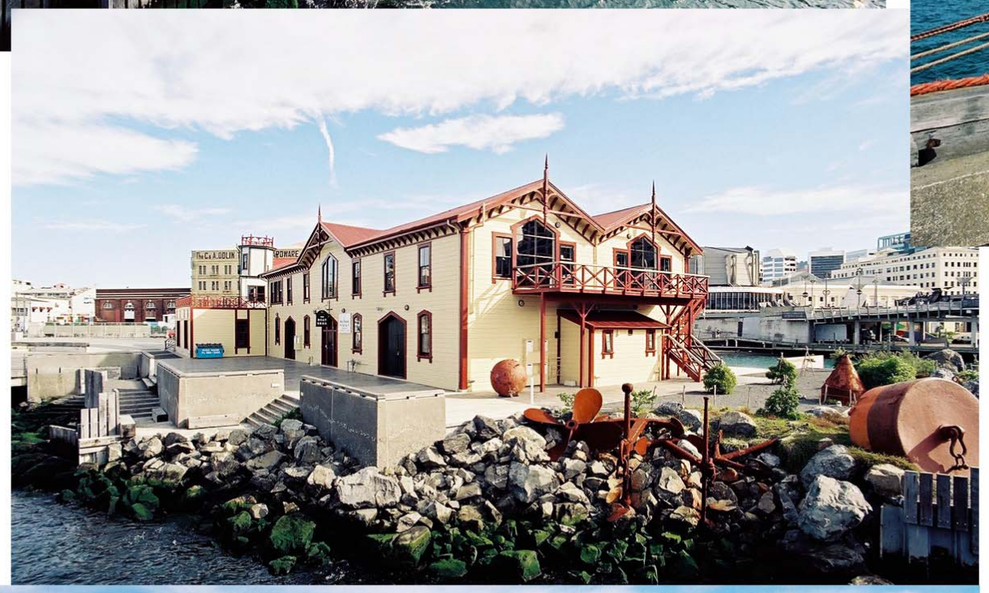
Lambton Quay 蘭伯頓碼頭





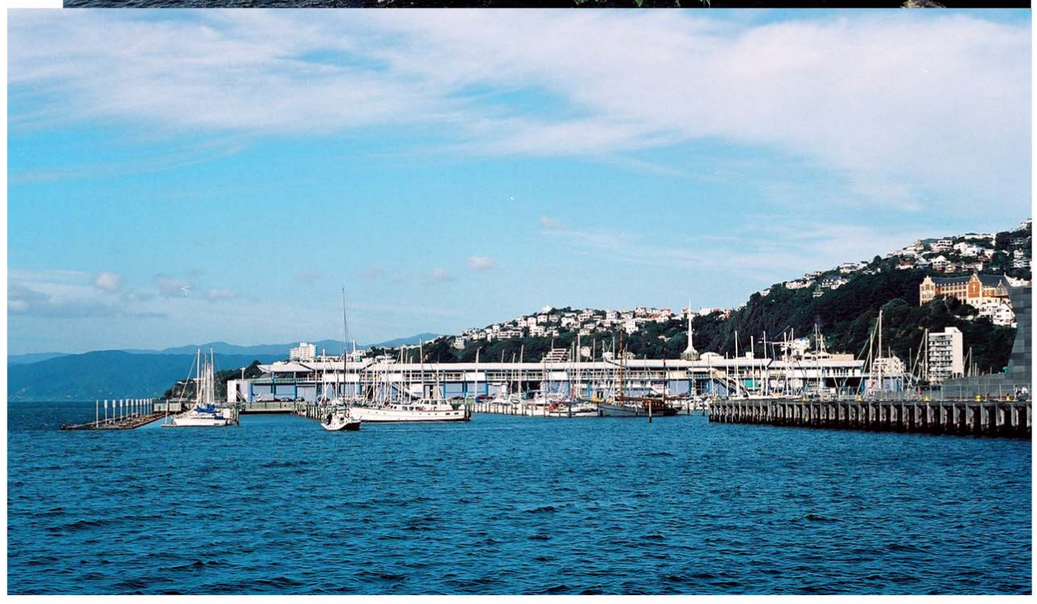
Te Papa Museum 國立博物館





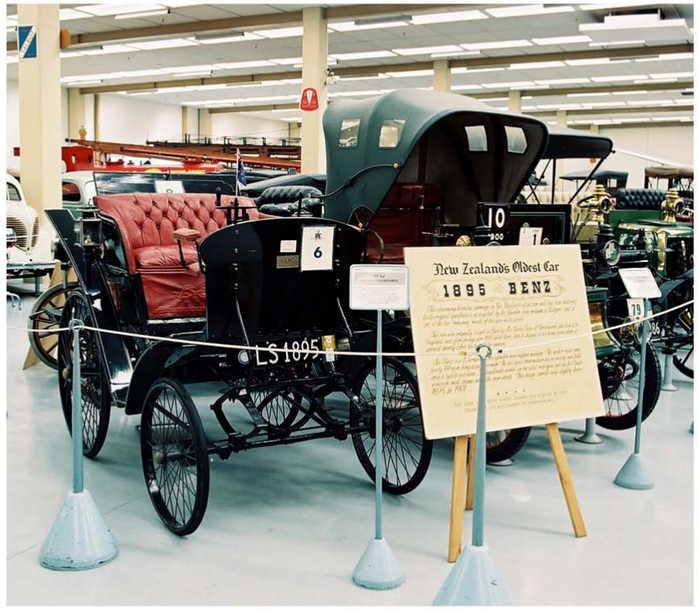


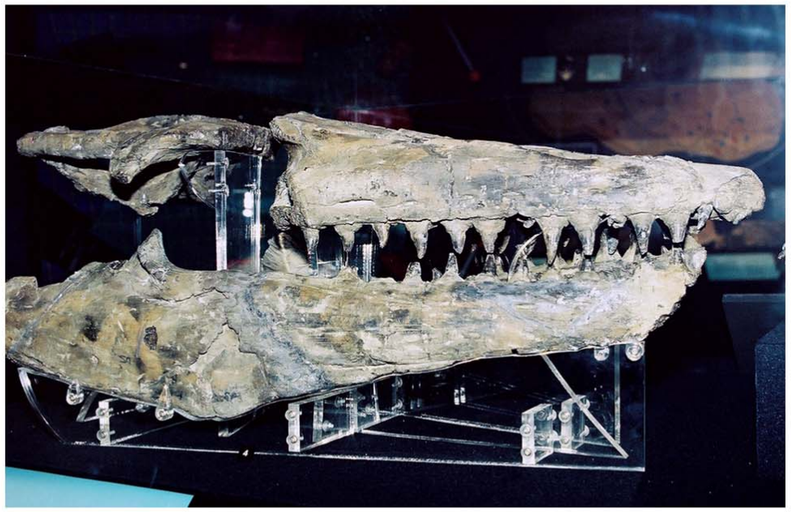


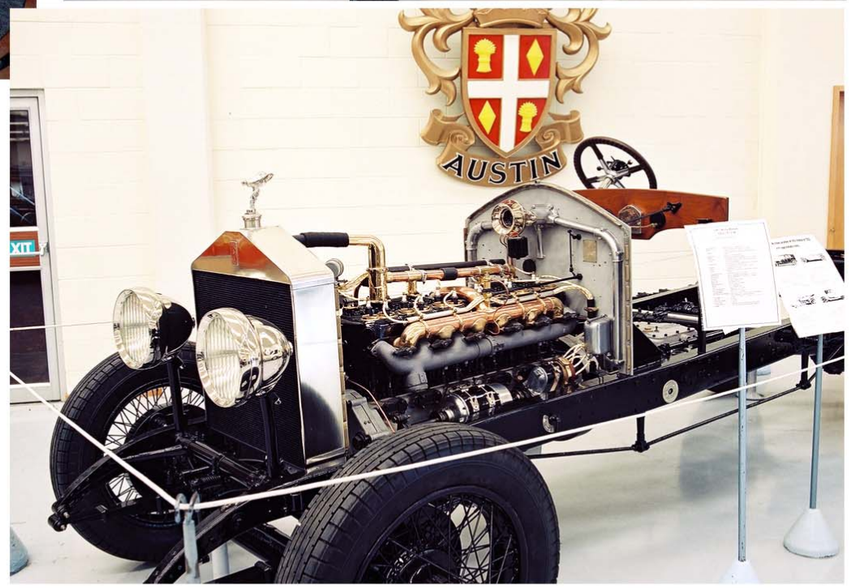





CK 1904


New Zealand's Oldest Car
1895 BENZ
LS 1095




AUSTIN






JJ 933

23.3.2002 Kaikoura 威靈頓 -> 開科拉







Ferry to South Island 渡輪往南島











23.3.2002　Kaikoura　開科拉



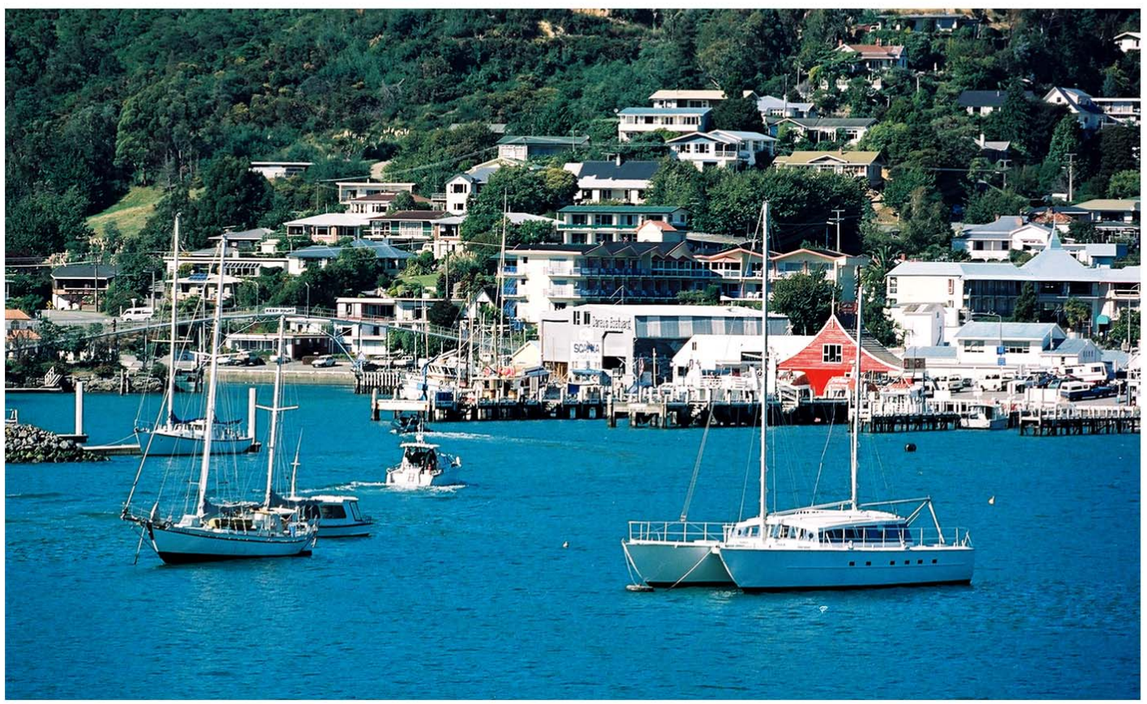




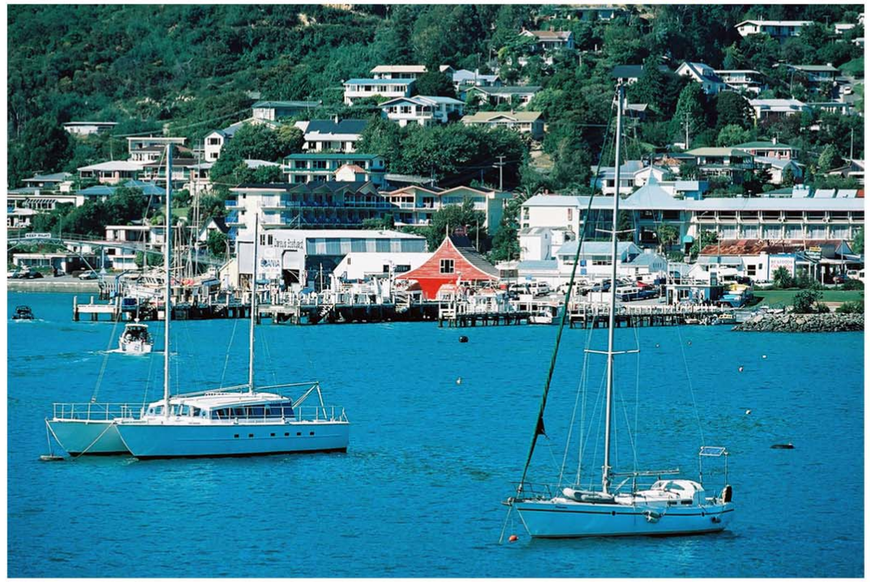




Picton City　皮克頓



23.3.2002　Kaikoura　開科拉

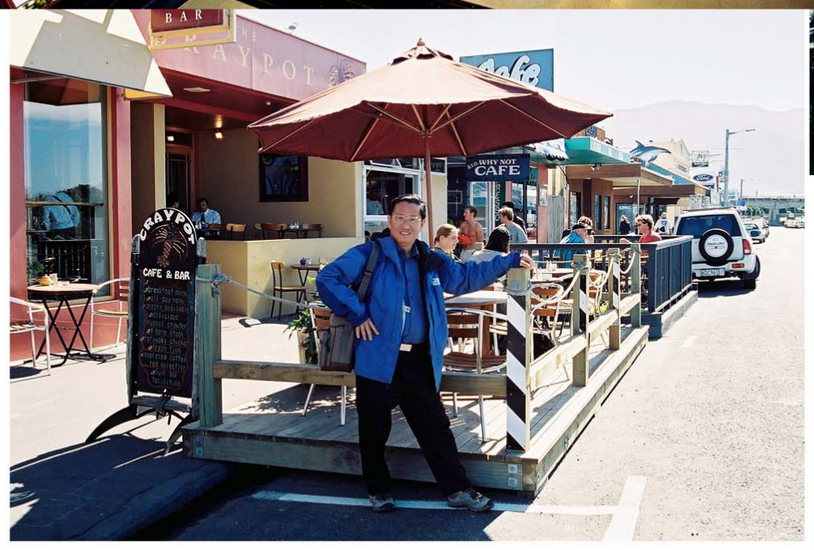




參觀酒莊





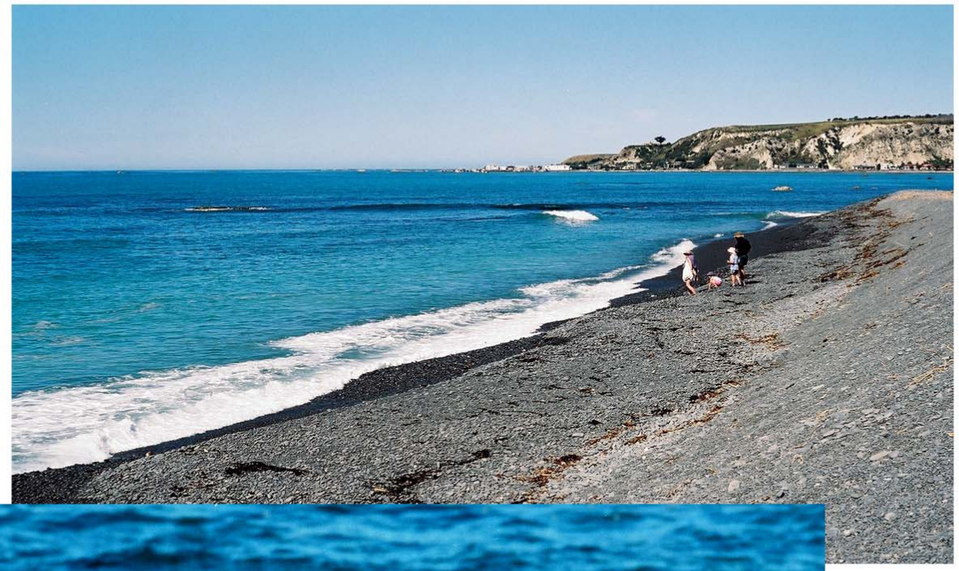








23.3.2002　Christchurch　開科拉 -> 基督城















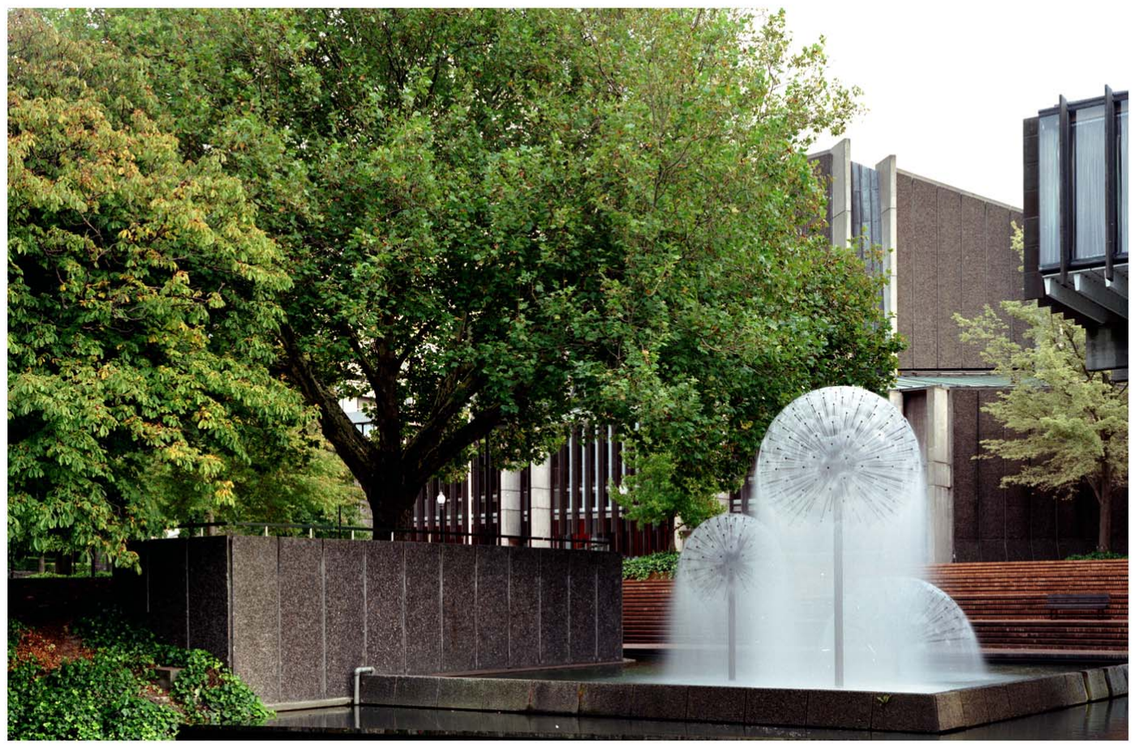
24.3.2002　Christchurch　基督城



Avon River　雅芳河







24.3.2002　Christchurch　基督城





Canterbury Museum　坎特伯里博物館





24.3.2002 Christchurch 基督城







Botanic Garden 植物園







24.3.2002　Christchurch　基督城

Cathedral Square 大教堂廣場







24.3.2002 Christchurch 基督城





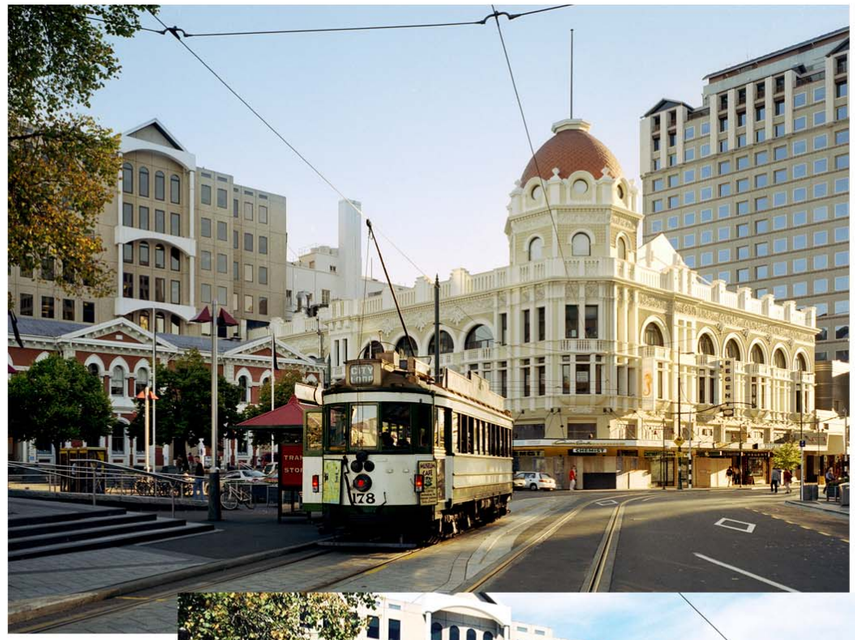






24.3.2002 Christchurch 基督城











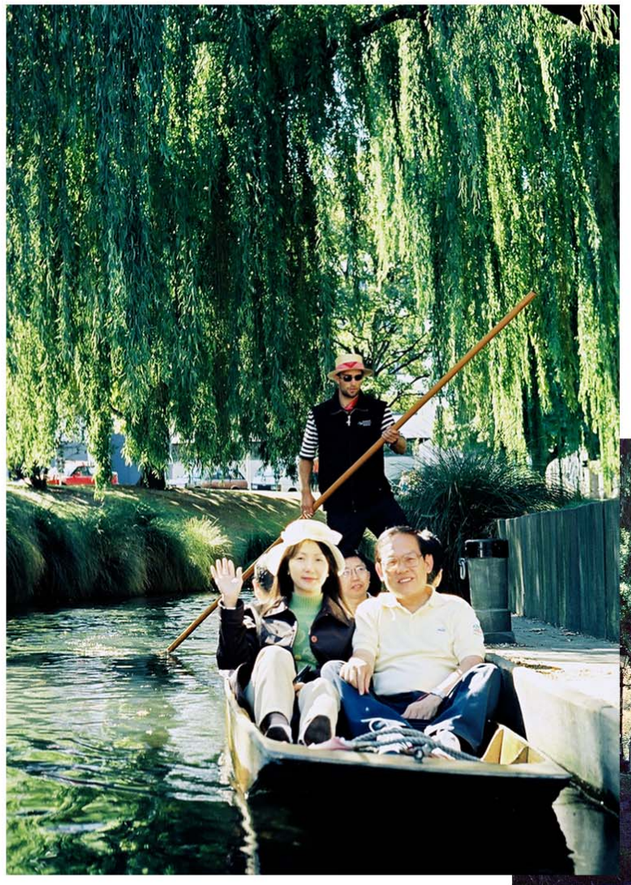


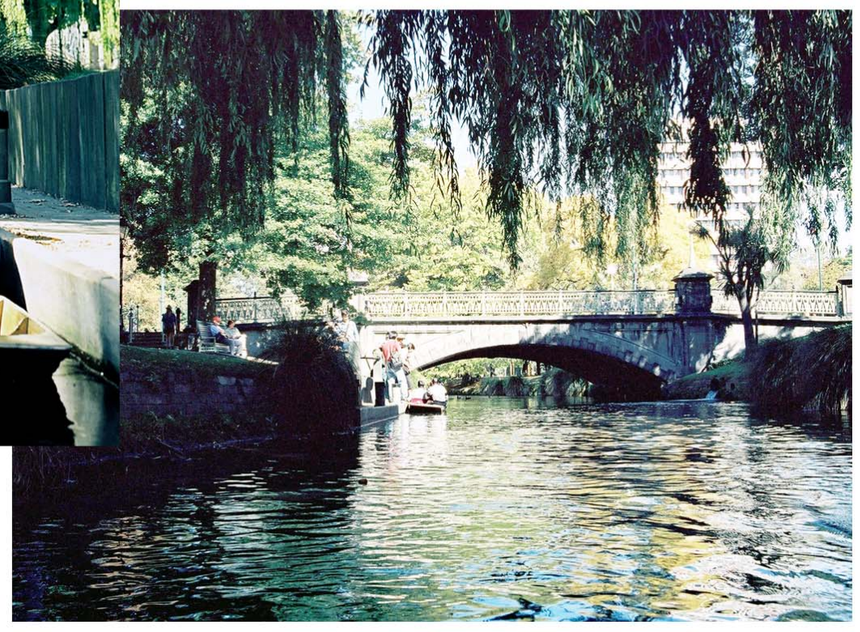


Avon River 雅芳河











Antarctic Centre 南極中心

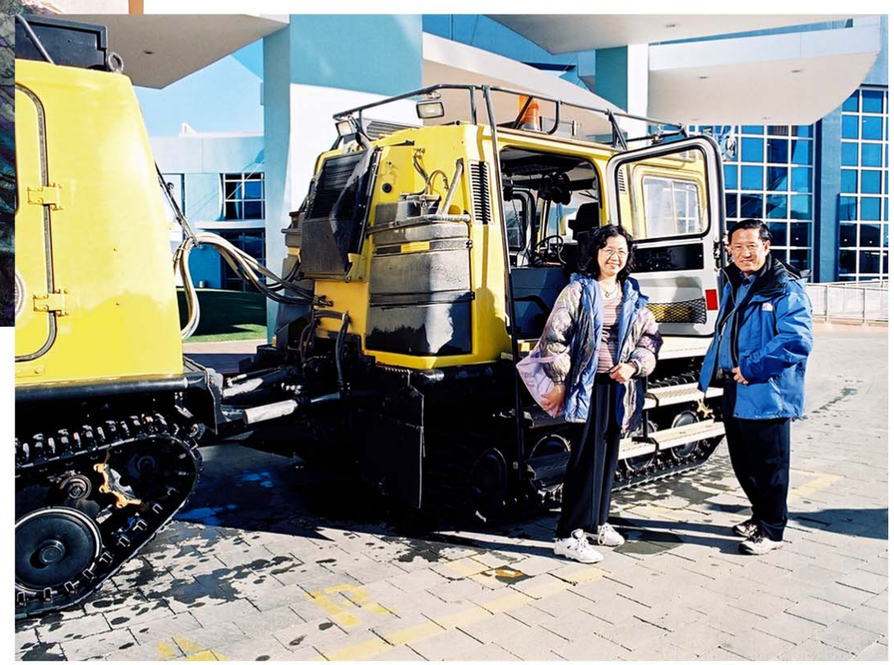






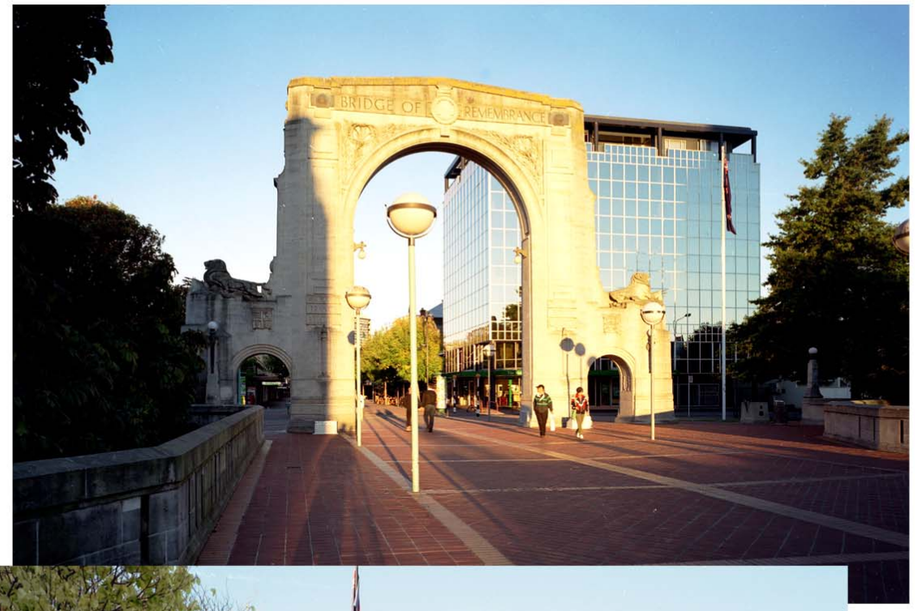






25.3.2002 Christchurch 基督城

Visit to MM Cable 參觀電纜廠















25.3.2002 Christchurch 基督城

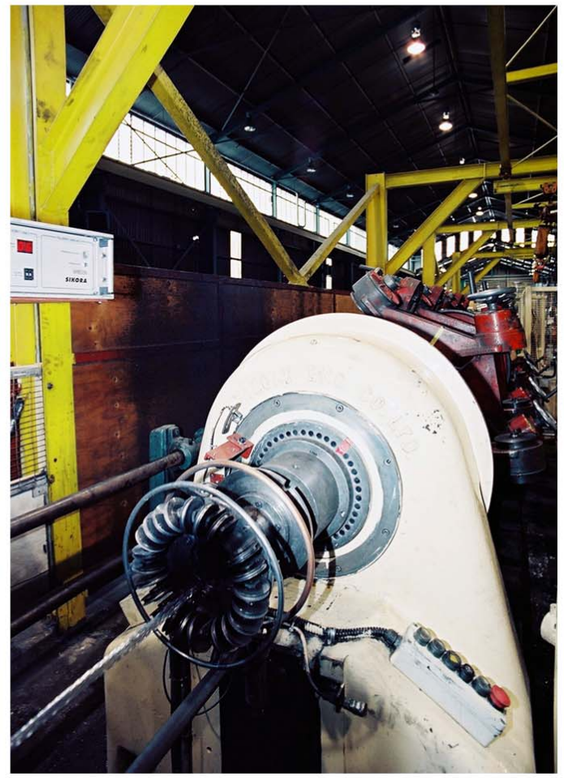








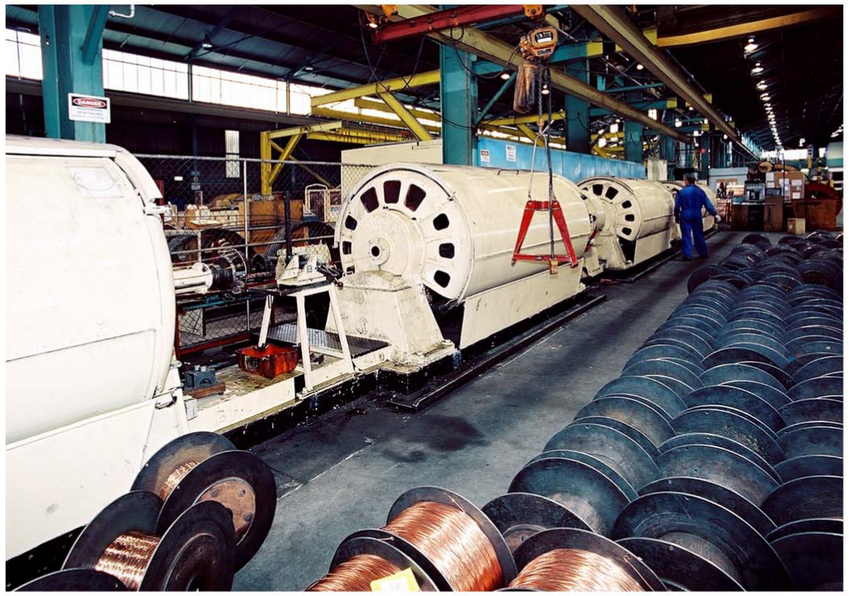
Visit to MM Cable

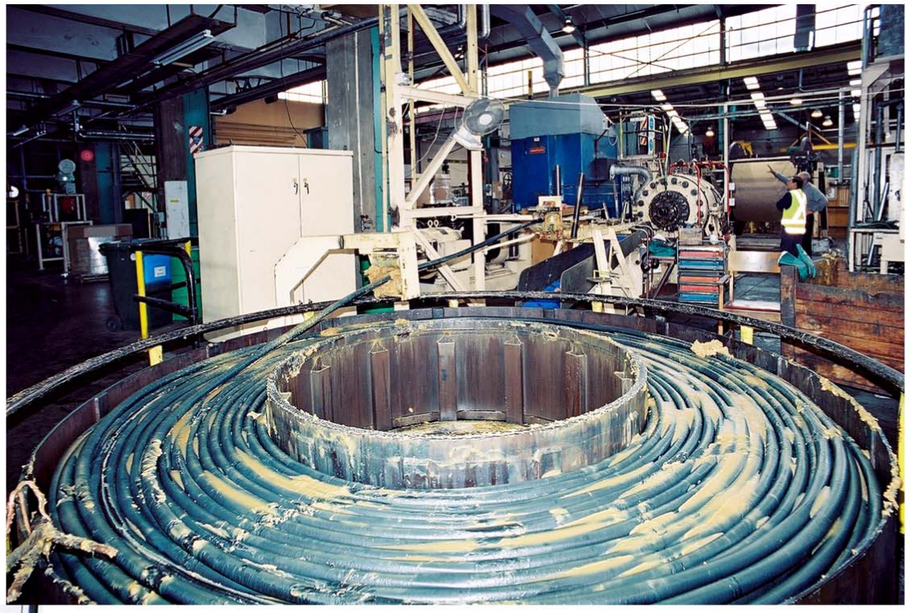


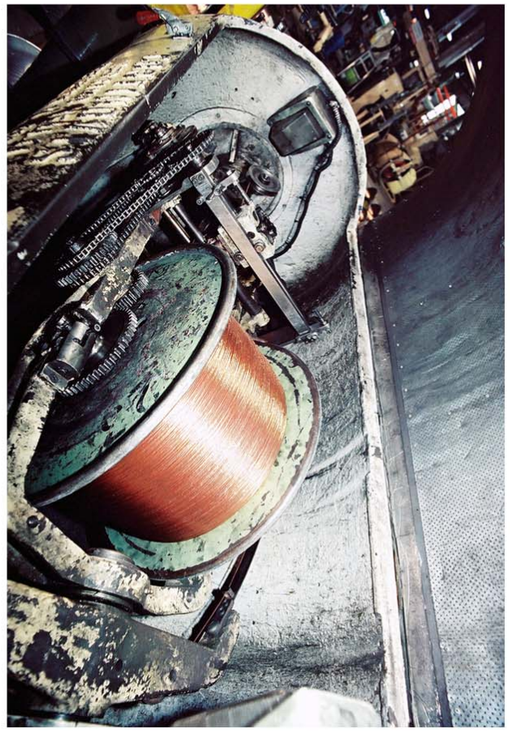








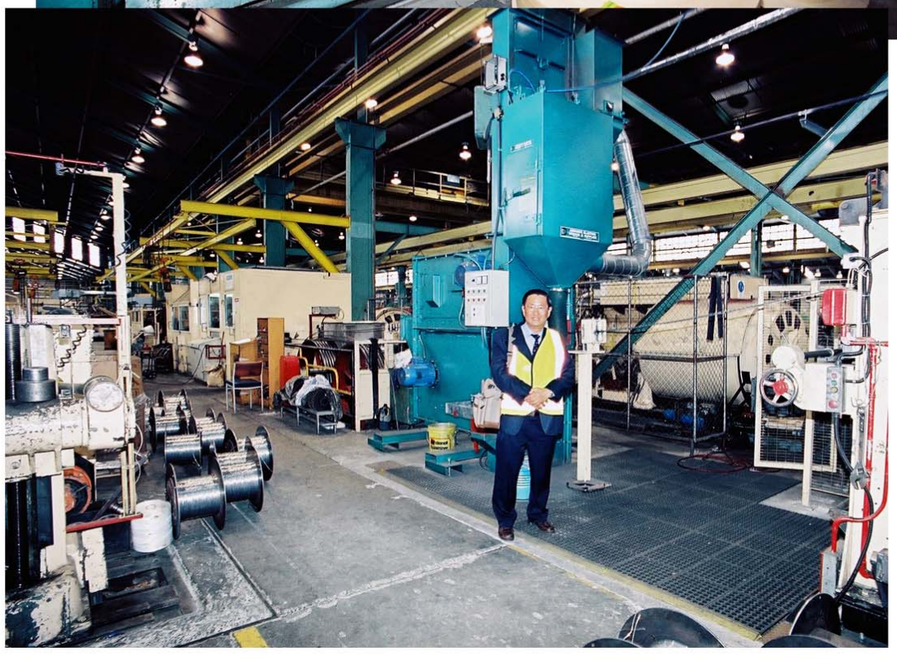







8
7
10
12
6
DO NOT
PROCEED ONTO
SWD PLANT
WHEN
ORANGE LIGHT
IS FLASHING







25.3.2002　Twizel　德威扎爾

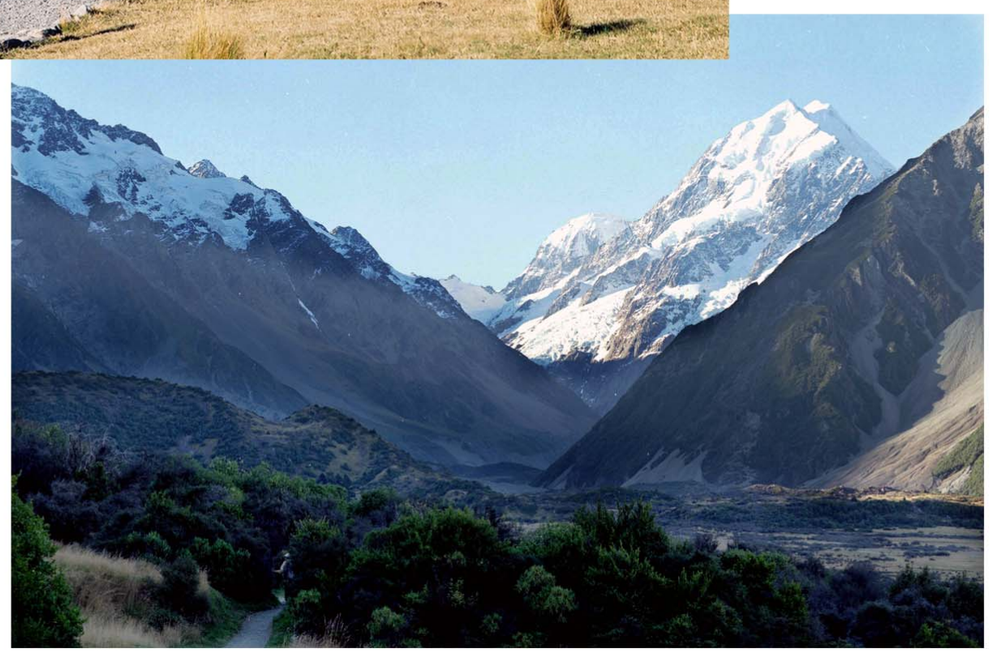






Mount Cook 庫克峰國家公園





26.3.2002　Twizel　德威扎爾







Visit to Benmore Hydro Power　參觀水電廠及電站

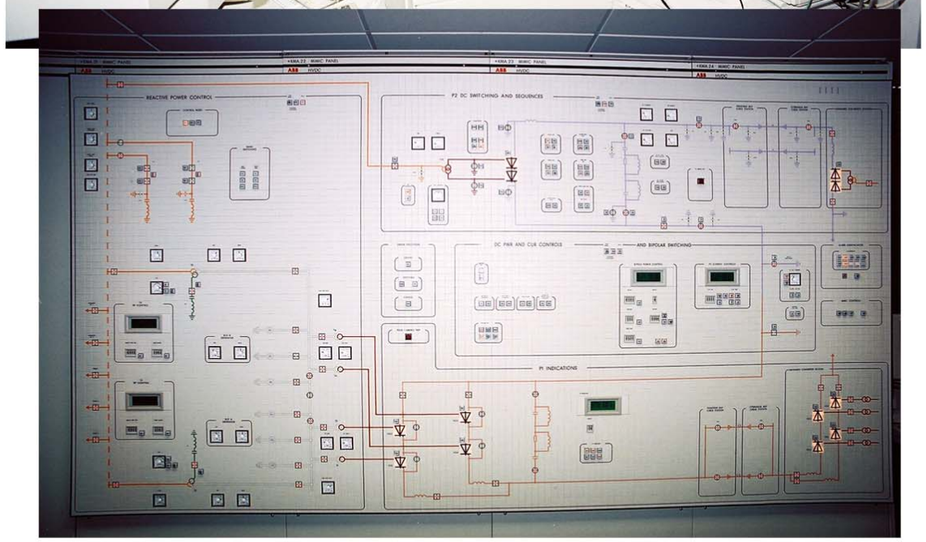






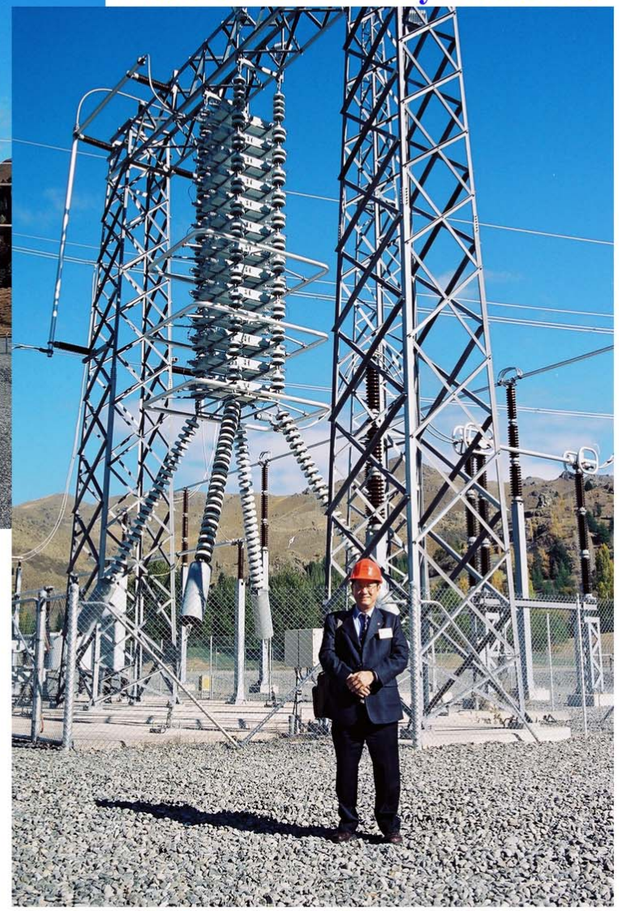
Visit to Benmore Hydro Power

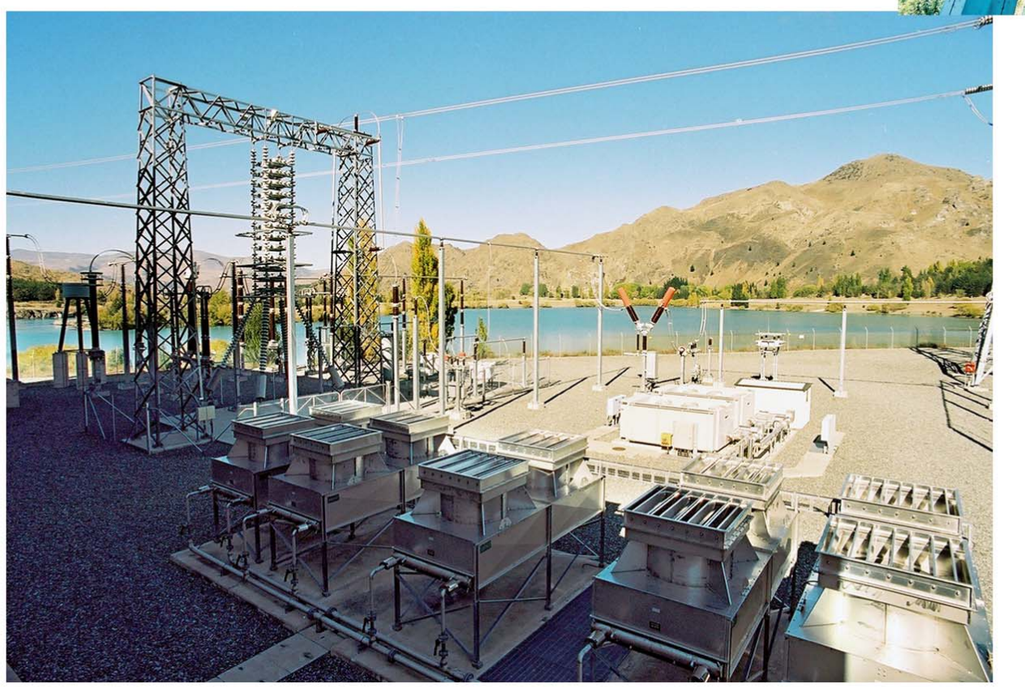








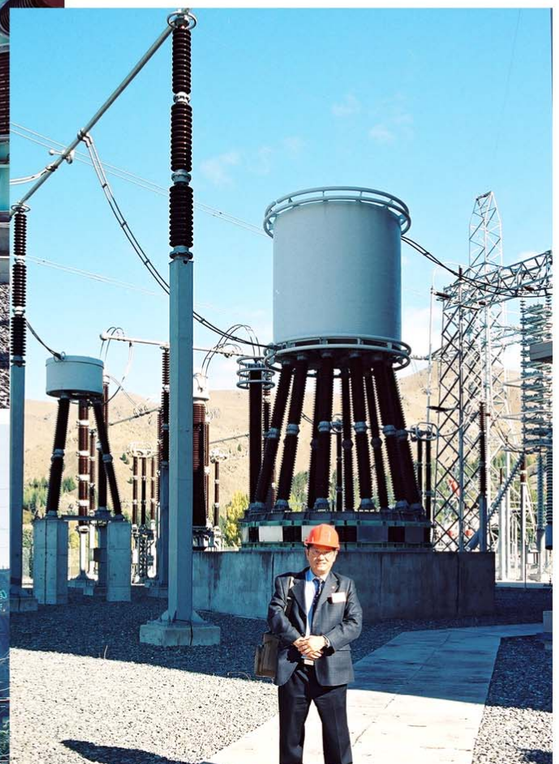










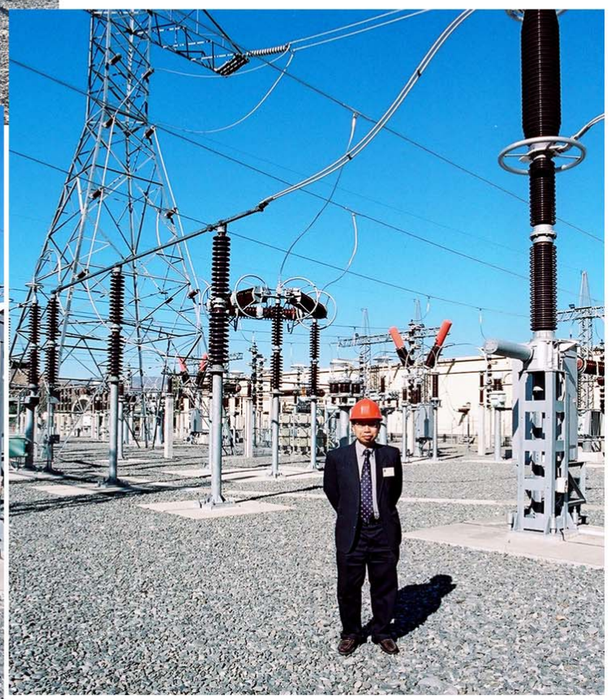



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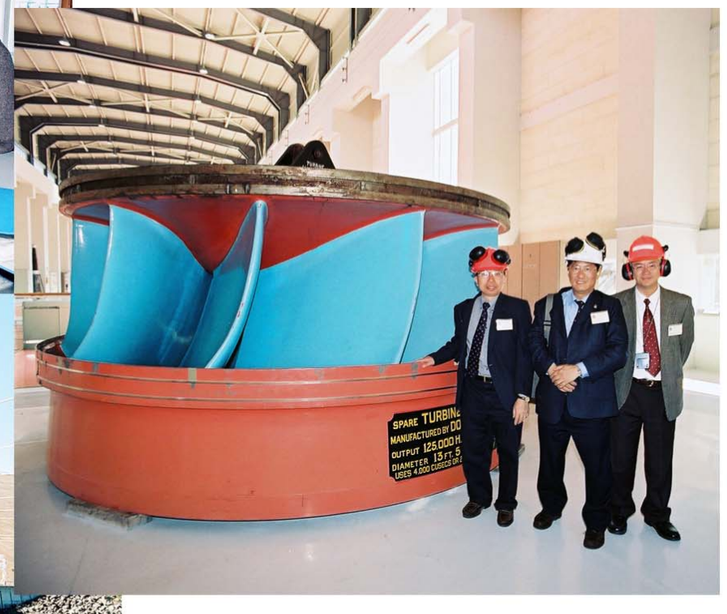

SPARE TURBINE RUNNER TYPE VERTICA
MANUFACTURED BY DOMINION ENGINEERING W
OUTPUT 125,000 H.P. SPEED 166·7 R.P.M.
DIAMETER 13 FT. 5 INS. HEAD 302 FT.
USES 4,000 CUSECS OR 25,000 GALLONS OF WATER PER SE





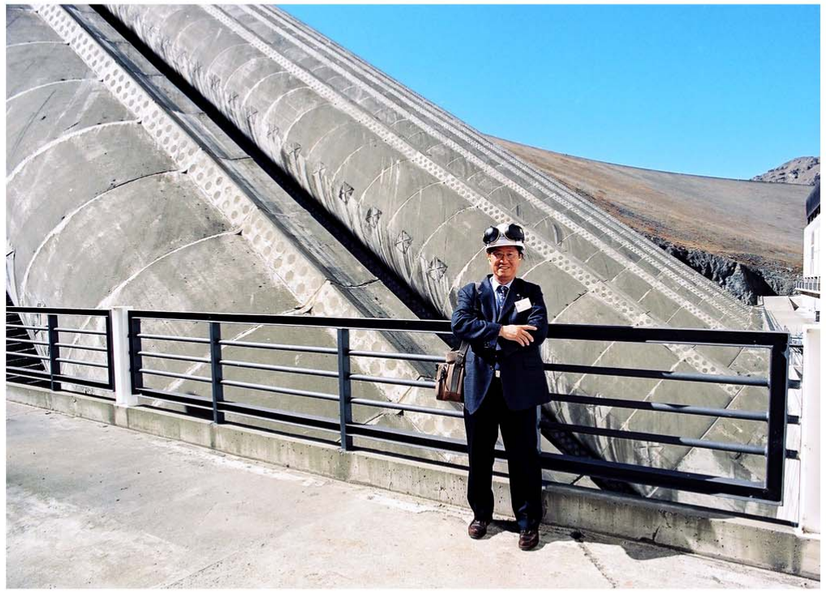





SPARE TURBINE
MANUFACTURED BY DO
OUTPUT 125,000 H
DIAMETER 13 FT. 5
USES 4,000 CUSECS OR













26.3.2002　Twizel　德威扎爾











Gold Field Mining Centre 金礦

27.3.2002 Queenstown 皇后鎮

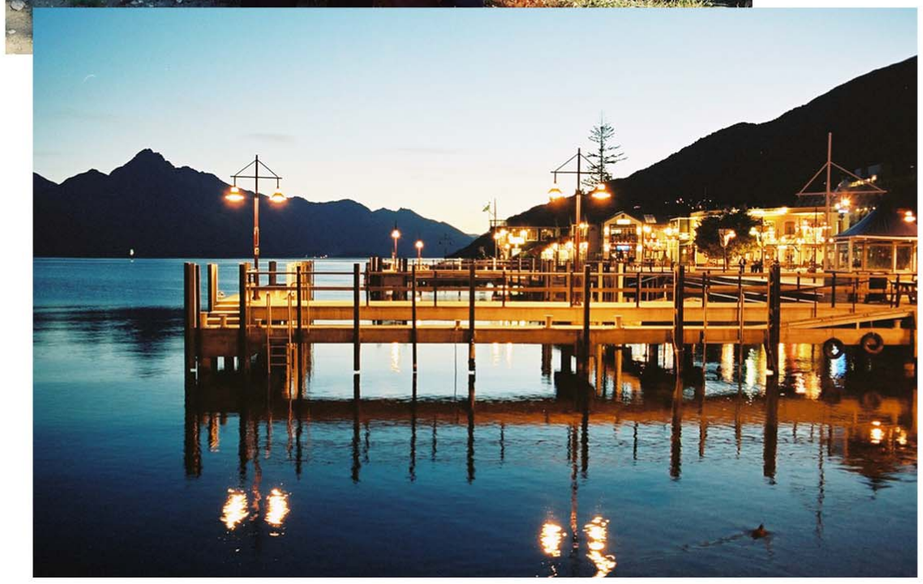
Milford Sound 密爾福峽灣













27.3.2002　Milford Sound　密爾福峽灣

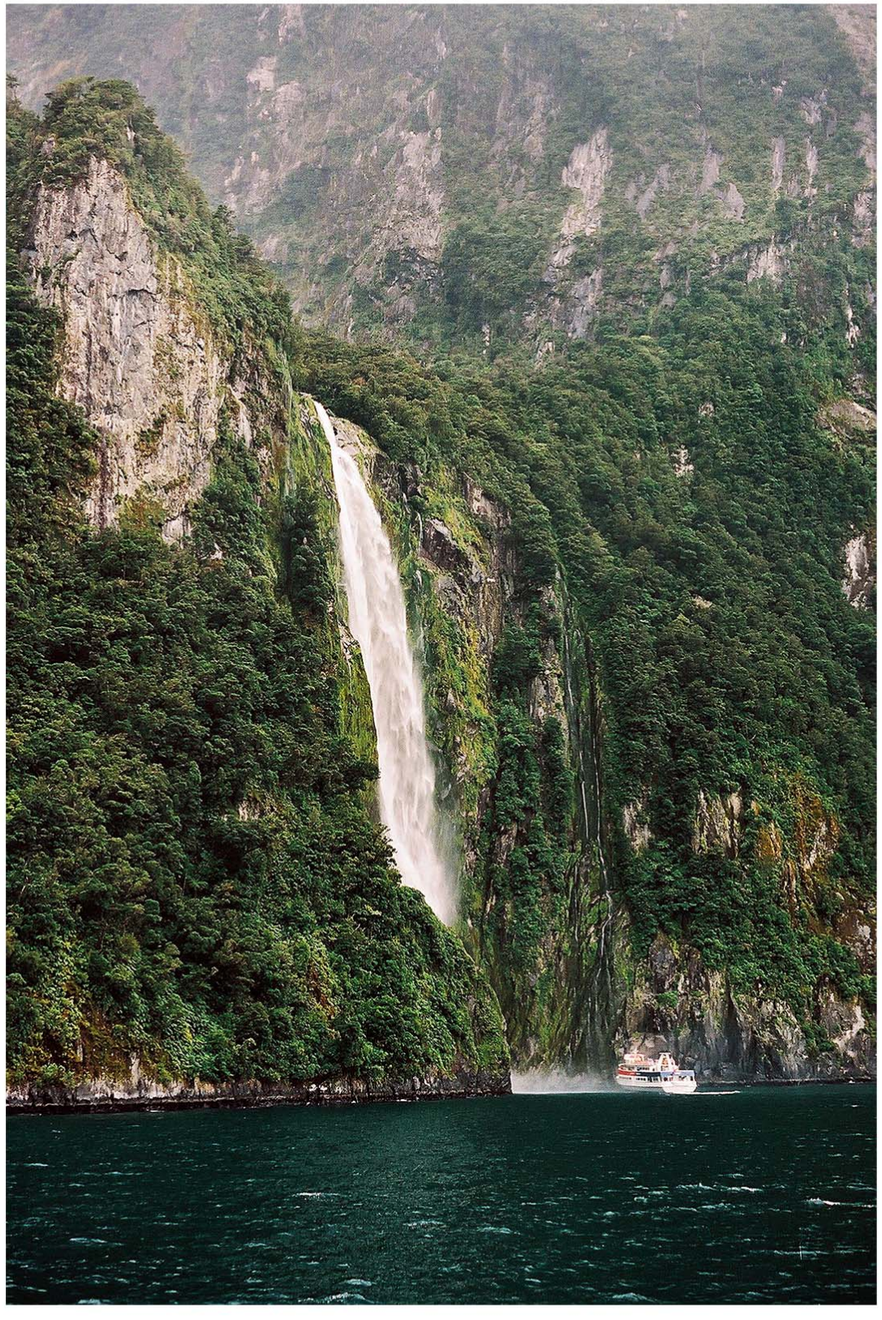








27.3.2002 Milford Sound 密爾福峽灣













27.3.2002　Queenstown　皇后鎮











28.3.2002　Queenstown　皇后鎮













28.3.2002　Queenstown　皇后鎮





Queenstown Hill　皇后鎮山









28.3.2002　Queenstown　皇后鎮

















Flight to Auckland 飛奧克蘭











29.3.2002　Auckland　奧克蘭













29.3.2002　Auckland　奧克蘭



Devonport　德文港










McLAY
FISHERMAN
McLAY BOATS by Glen Eden Marine

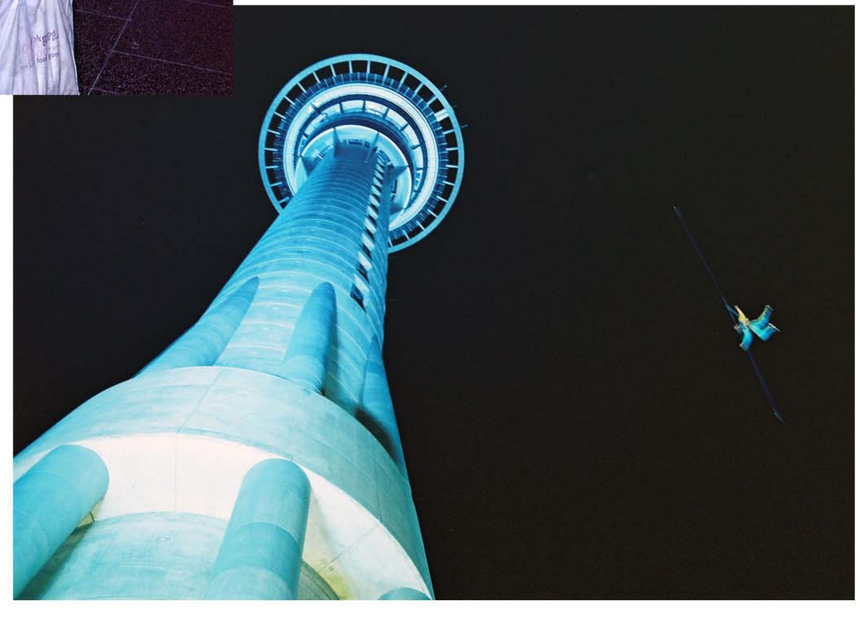




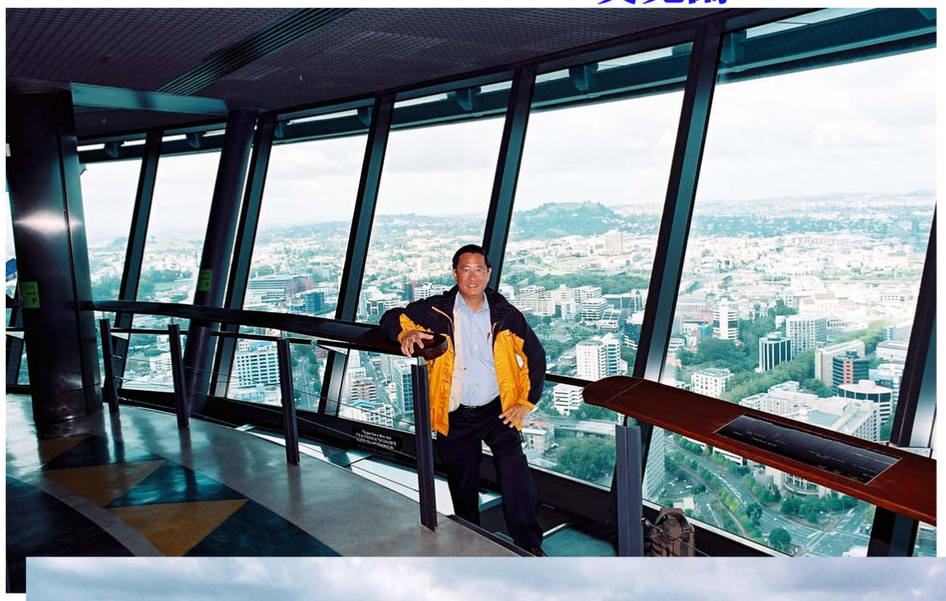



SKYCITY
Sky City is proud to support over
220 community projects each year.


Waitakere Ranges Regional Park
This natural masterpiece is cared for by the Auckland Regional Council



30.3.2002　Auckland　奧克蘭







Sky Tower　天空之塔





