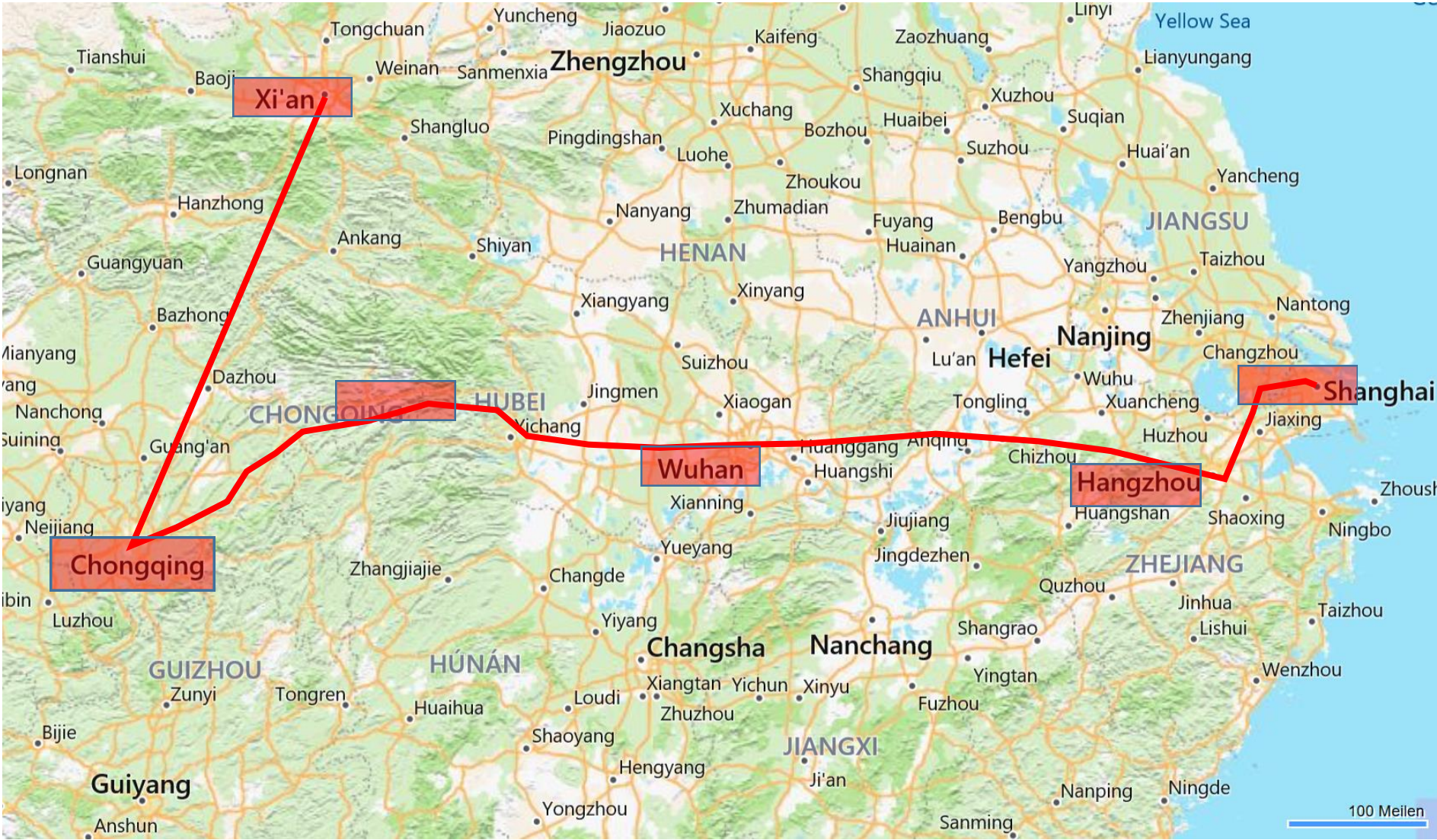


From Xi `An in the West towards Shanghai in the East

From Xi `An in the West towards Shanghai in the East



If you want to see directly the pictures from selected cities, please go directly to the following slide:

XiAn	4
ChongQing	27
FengDu	36
Three Gorges	
Power Station	44
Wuhan	52
Hangzhou	62

Remark at the beginning

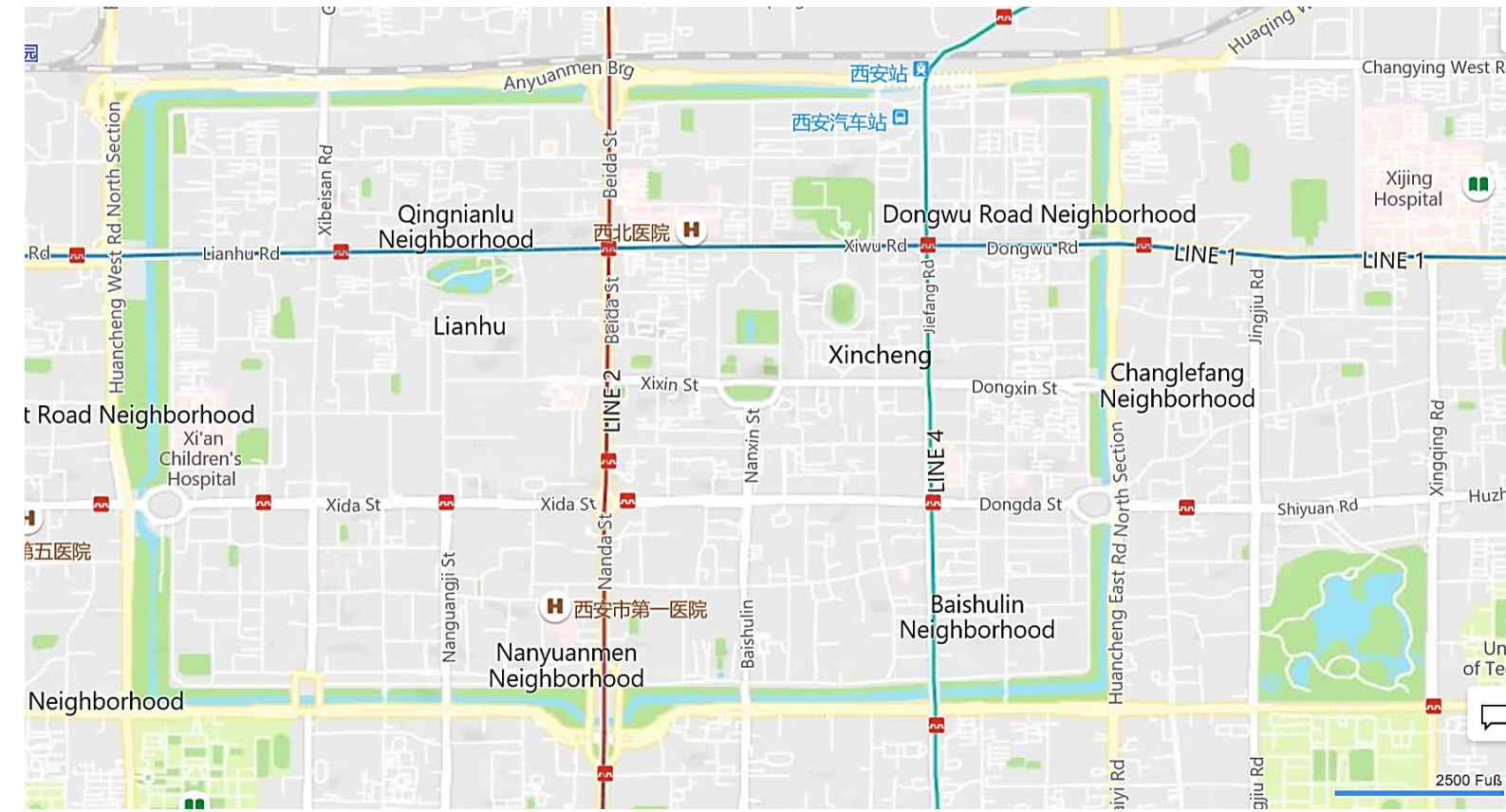
Please note that the pictures in the following presentation are taken by Prof. Schwarz and other participants of a VDE-group (German Association of Electrical Engineers) during an excursion to China in 2006.

Please also note that China is an extremely fast developing country. So several details you can see in the presentation meanwhile totally may changed.

And finally please note, that this excursion took place in the mid of November. Due to the weather situations so late in the year, pictures sometimes looked as you can see aside. So Photoshop did its very best to separate as much as possible information from the taken photos. Nevertheless sometimes you can see that some details in the pictures are „optimized“.



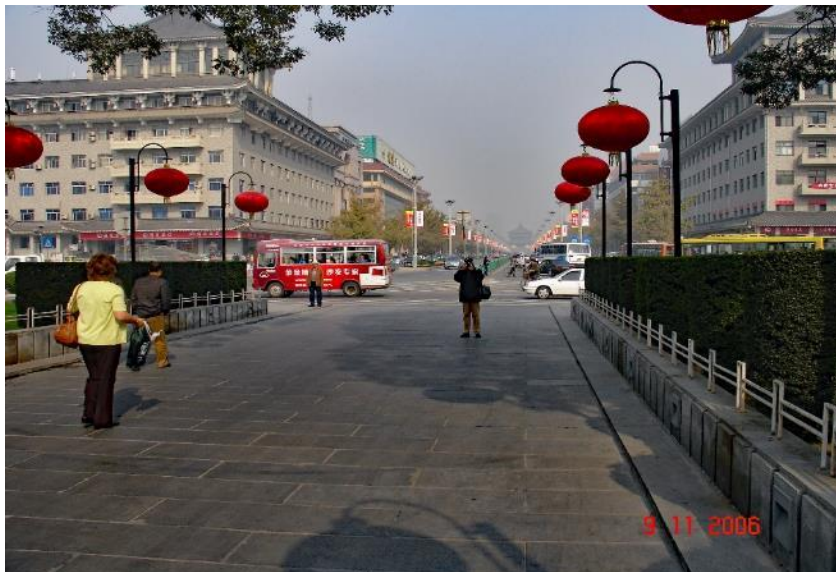
In the map you can see the ancient part of Xi 'An with its today more that 12 million inhabitants



"Xi'an" is the Mandarin pronunciation of its name 西安, which means "Western Peace" in Chinese. The name was adopted in 1369 under the early Ming dynasty. Jesuit missionaries recorded its name as "Si-ngan" or "Si-ngan-fou" from its status as the seat of a prefecture. The name was later romanized as "Hsi-an" and as "Sianfu" or "Sian" by the Qing imperial post office, both of which were common until the general adoption of pinyin.

The area of present-day Xi'an has been the site of several important former Chinese cities. The capital of the Western Zhou were the twin cities of Feng and Hao, known collectively as Fenghao, located on opposite banks of the Feng River at its confluence with the southern bank of the Wei in the western suburbs of present-day Xi'an. The Qin capital Xianyang was erected north of the Wei during the Warring States period and was succeeded by the Western Han capital of Chang'an, meaning "Perpetual Peace", which was located south of the Wei and covered the central area of present-day Xi'an. During the Eastern Han, Chang'an was also known as Xijing or the "Western Capital", relative to its position to the main capital at Luoyang. Under the Sui, its name became Daxing ("Greatly Prosperous") in AD 581. Under the Tang, the name reverted to Chang'an in 618. Under the Mongolian Yuan dynasty (13th & 14th centuries), it held a succession of names: Fengyuan, Anxi "Peaceful West" and Jingzhao. The Ming name "Xi'an" was changed back to Xijing ("Western Capital", as above) between 1930 and 1943.

Xi 'An old and new together in downtown of Xi 'An



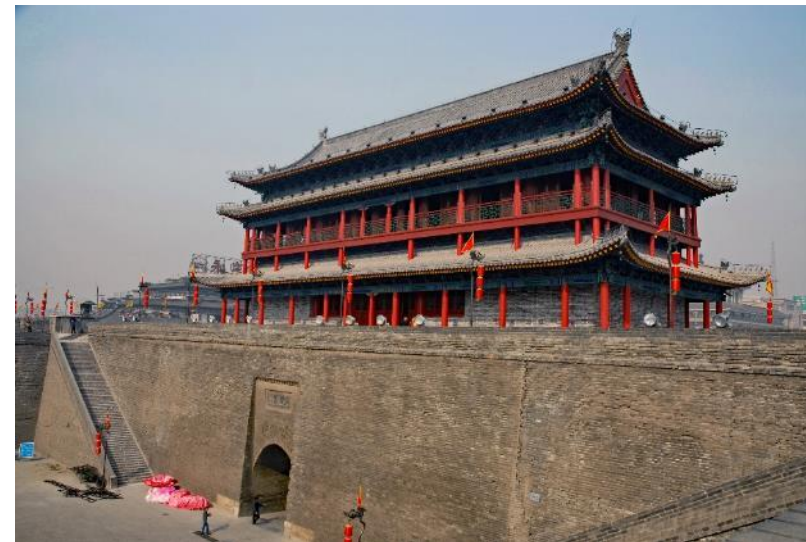
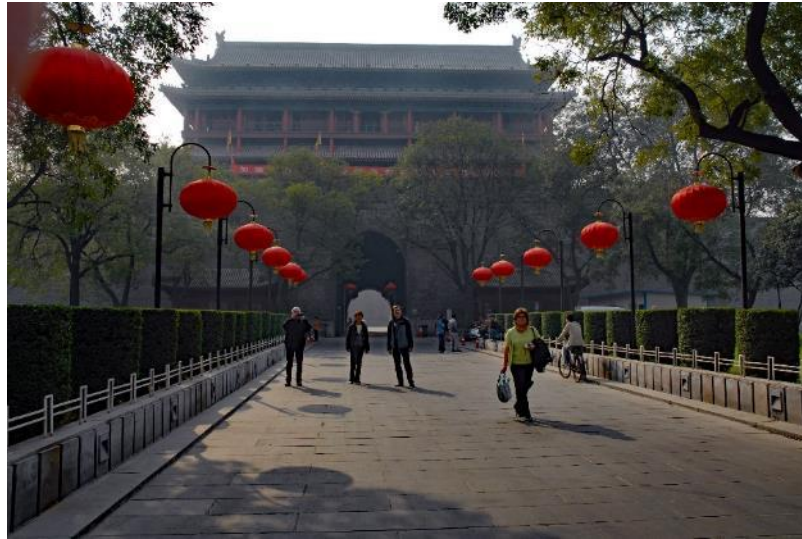
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi `An now entering into the ancient part of Xi `An



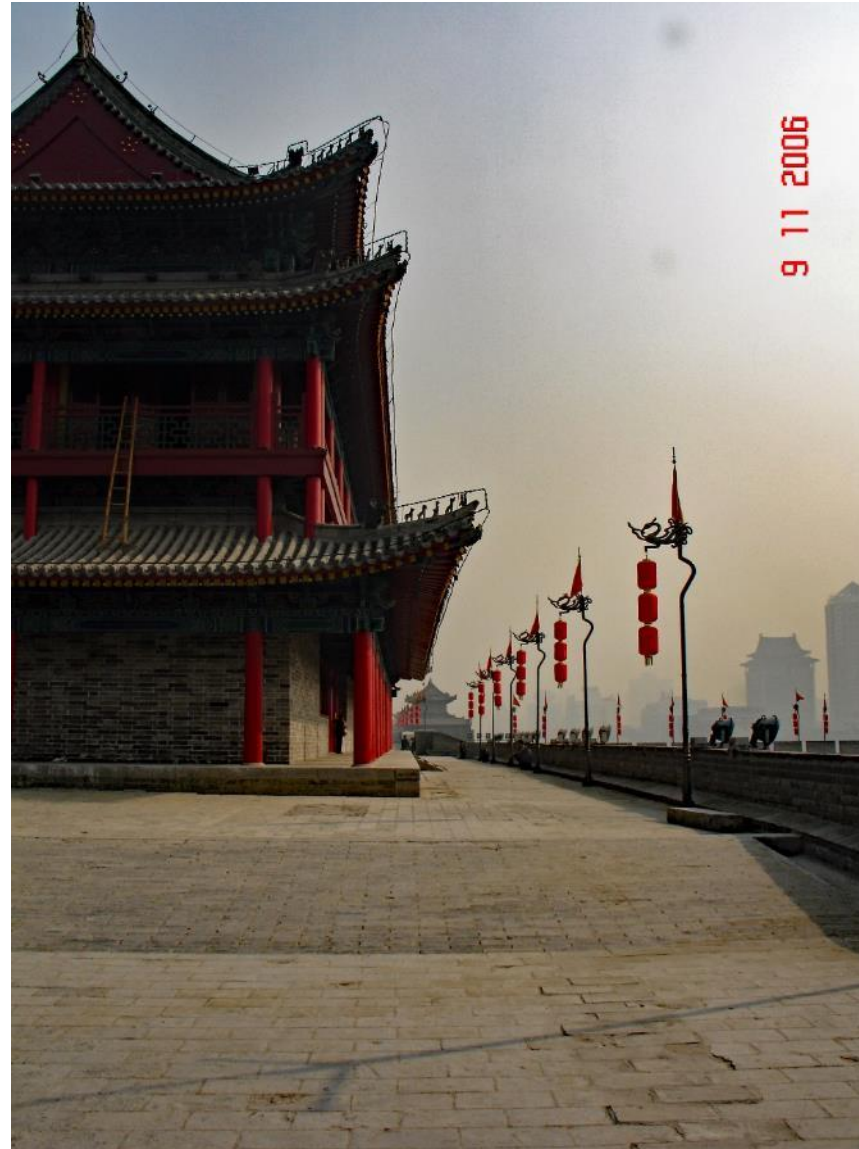
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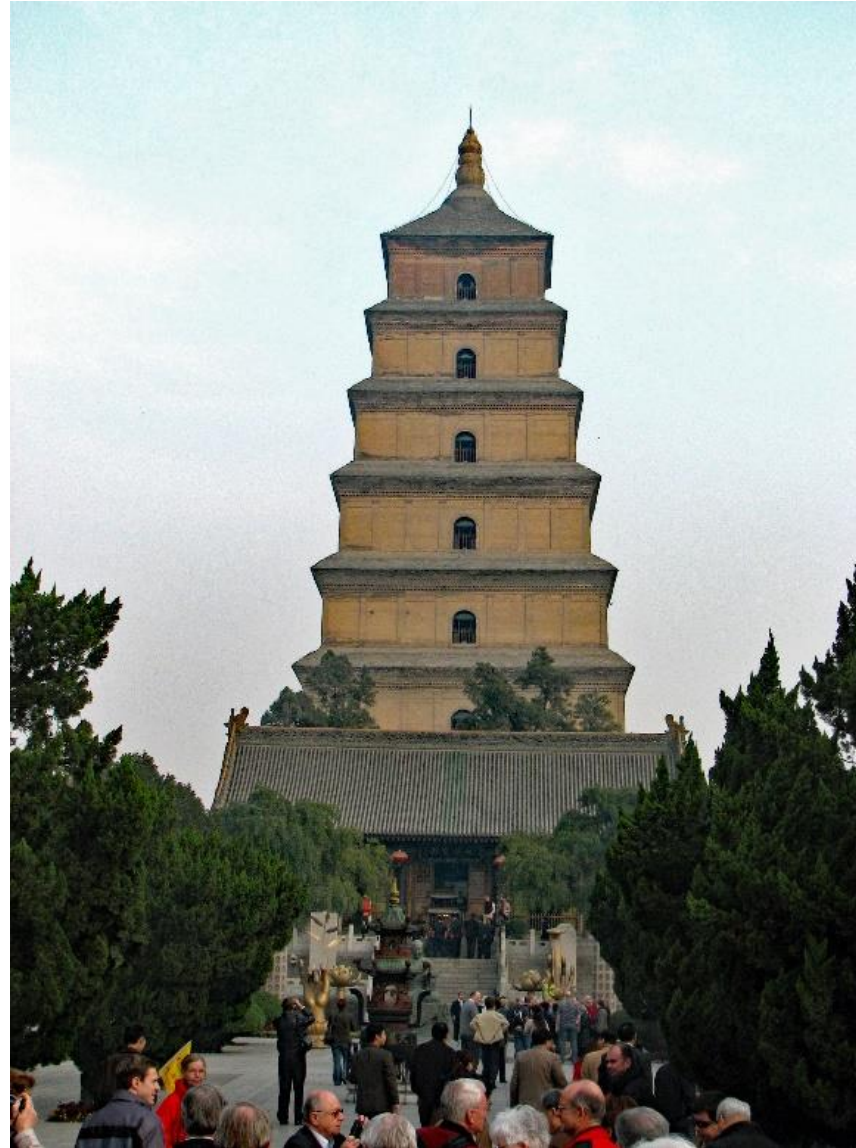
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi `An coming closer to the Drum and Bell Tower



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi`An Wild Goose Pagoda



Giant Wild Goose Pagoda or is a Buddhist pagoda located in southern Xi'an. It was built in 652 during the Tang dynasty and originally had five stories. The structure was rebuilt in 704 during the reign of Empress Wu Zetian and its exterior brick facade was renovated during the Ming dynasty.

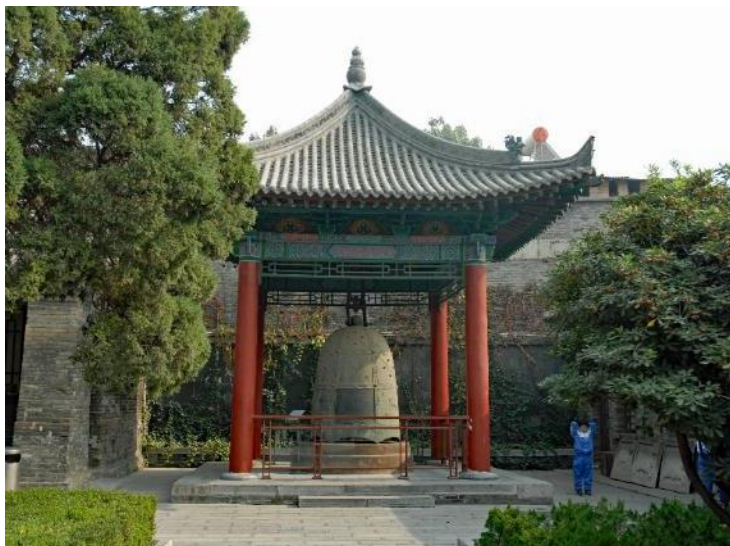


Pictures taken by members of VDE group visiting China 2006,
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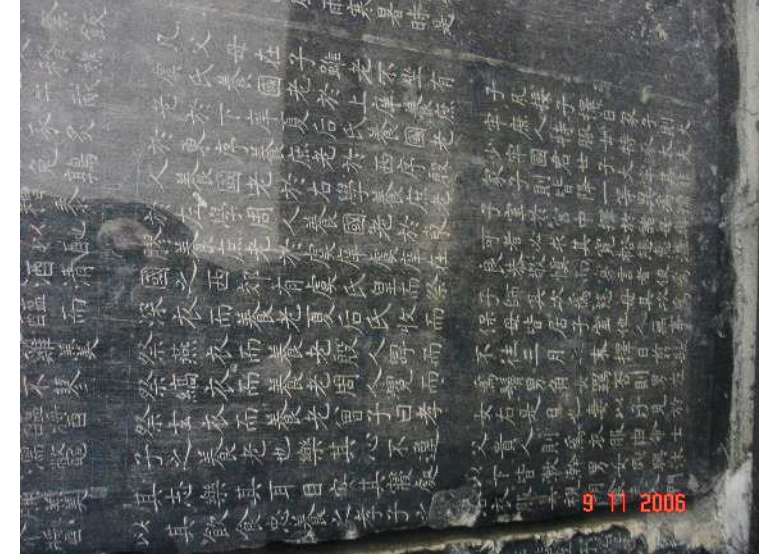
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi`An Stele Forest



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi`An Stele Forest



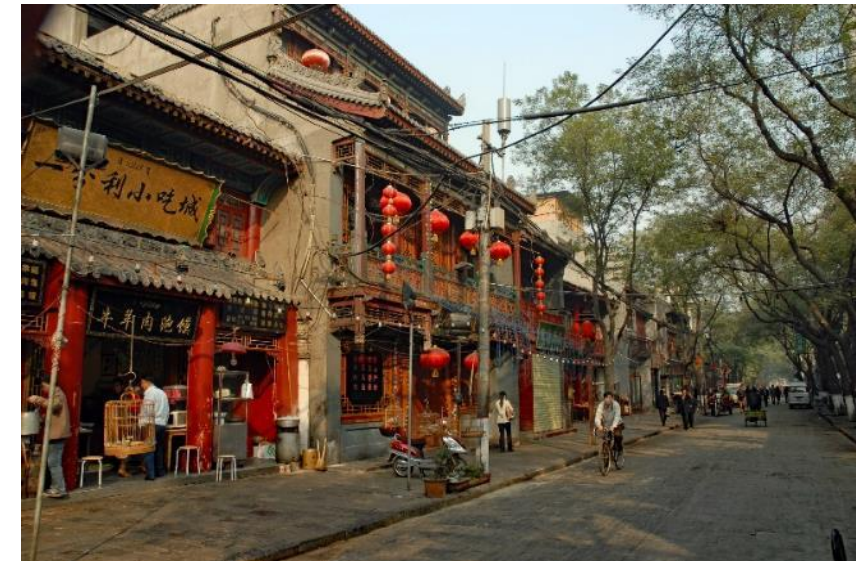
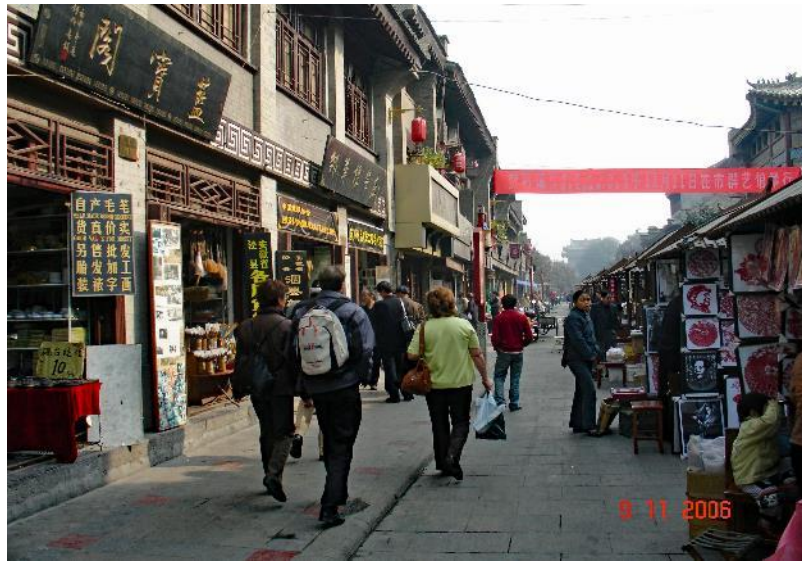
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi`An Stele Forest



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi`An Short tour through the old market



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi`An Short tour through the old market



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi `An „Street Workers preventing slippery floors“



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi 'An The Exhibition of the Terracotta Army outside Xi 'An



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

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Pictures taken by members of VDE group visiting China 2006,
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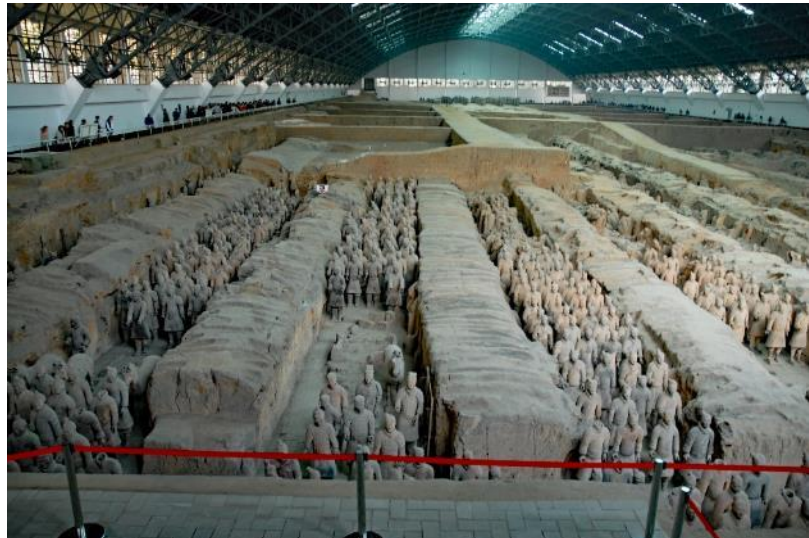
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi 'An The Exhibition of the Terracotta Army outside Xi 'An



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi 'An The Exhibition of the Terracotta Army outside Xi 'An



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi `An – XIHARI High Power Test Laboratory



XIHARI is an independent third-party laboratory and focuses on the type test, performance test, routine test, certificate test, arbitration inspection, quality appraisal, and metrological verification of electric equipment for worldwide. 93 catalogue electrical apparatus can be tested in XIHARI. With 439 employees, 333 of which are technical engineers, and 79 have senior or senior above professional qualification. Based on the testing experience for over 50 years, XIHARI has obtained a technical team of experts and engineering technicians on high voltage apparatus testing and technique research.

Let's have a short
trip through Xi `An to
see XIHARI High
Power Test
Laboratory



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi `An – XIHARI High Power Test Laboratory



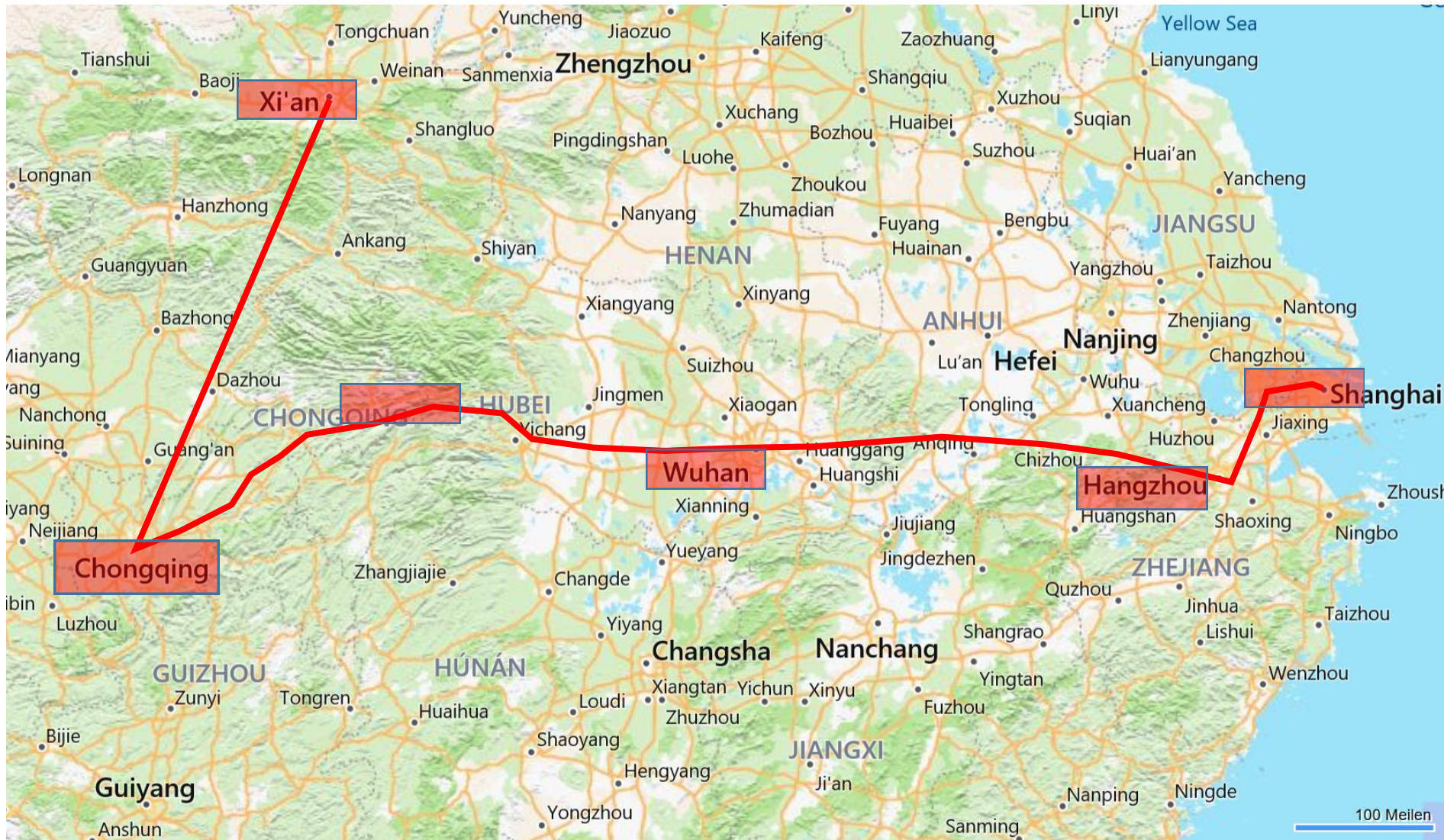
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Xi `An – XIHARI High Power Test Laboratory



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

From Xi 'An in the West towards Shanghai in the East



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

ChongQing – “The Capital in the Center”



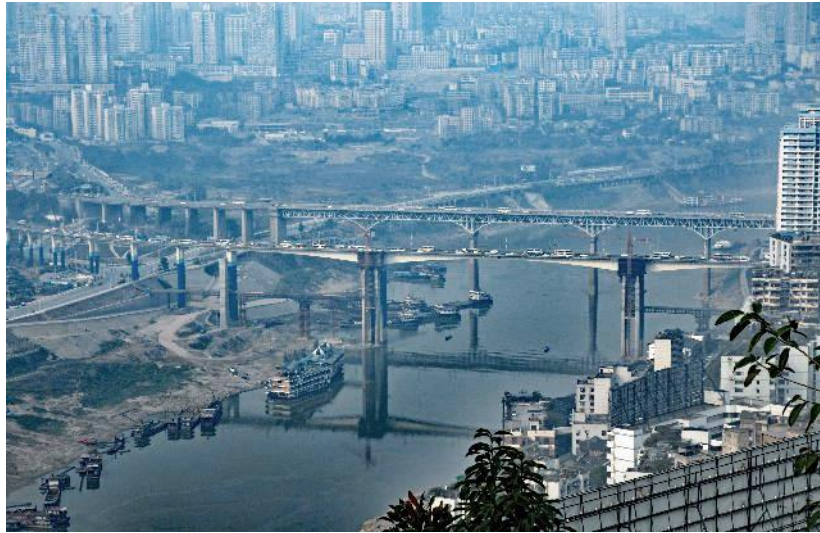
Pictures taken by members of VDE group visiting China 2006,
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ChongQing – “The Capital in the Center”



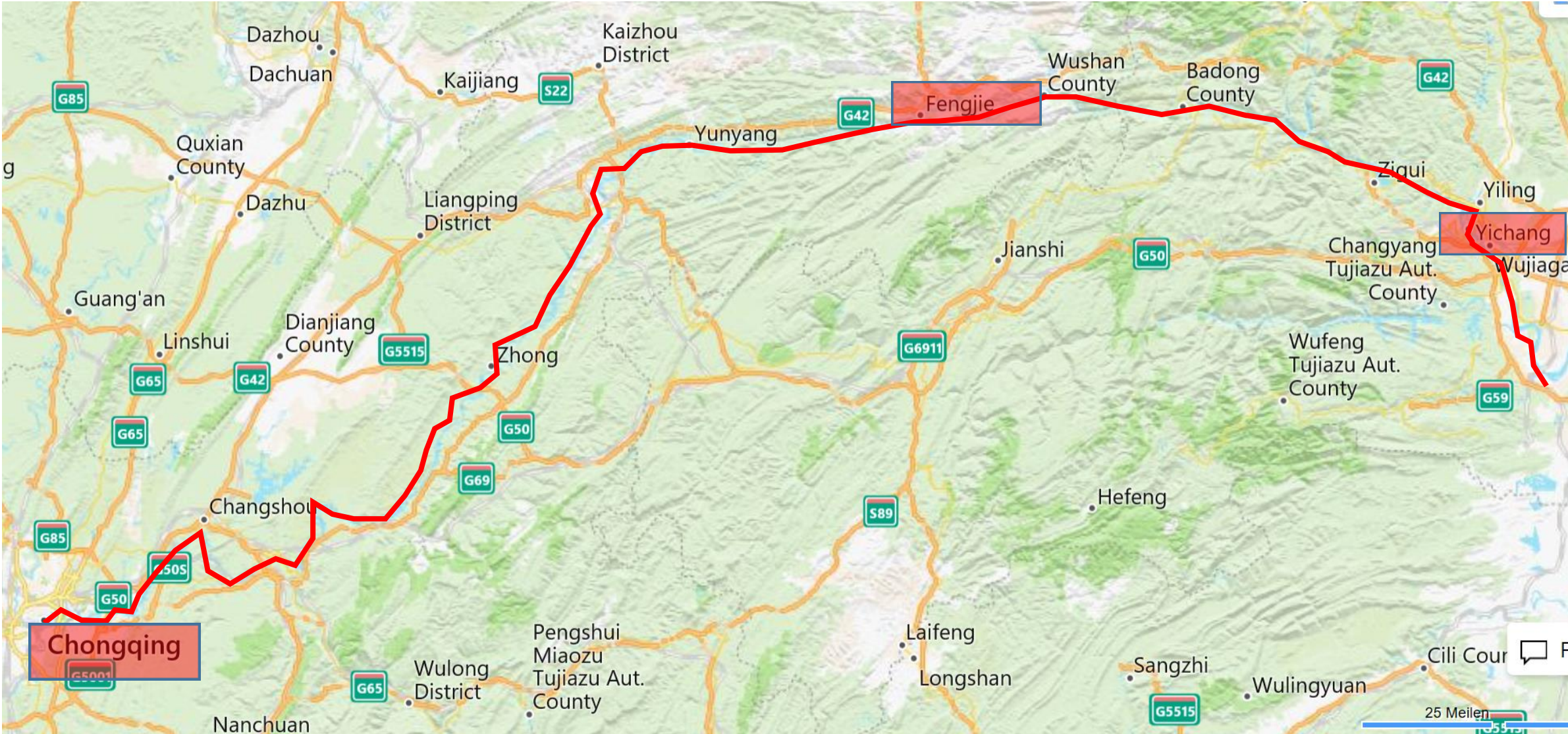
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

ChongQing – “The Capital in the Center”



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

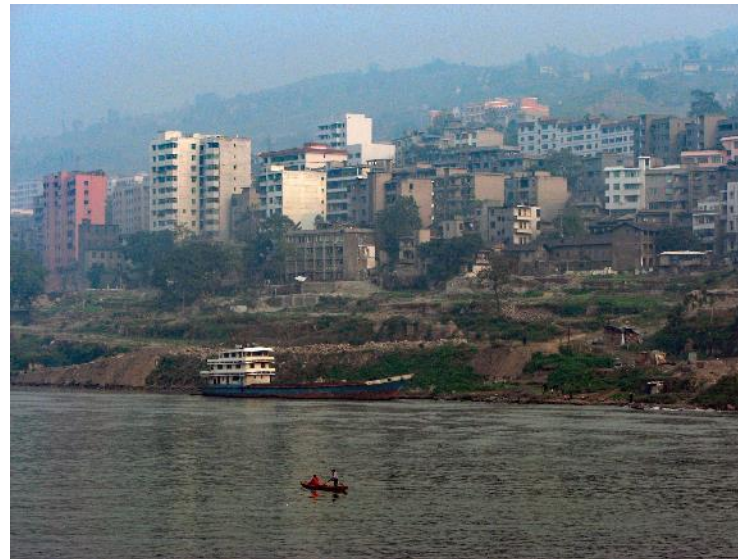
Downstream Chongqing the Yangtze is a very busy river



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

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Pictures taken by members of VDE group visiting China 2006,
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Yangtze River downstream to Three Gorges Power Station

Downstream Chongqing the Yangtze is a very busy river



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

As we are a group of engineers, the captain invited us to visit the bridge and the machine room of the river boat, which was originally built in Germany, then operated in Russia and finally exported to China



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

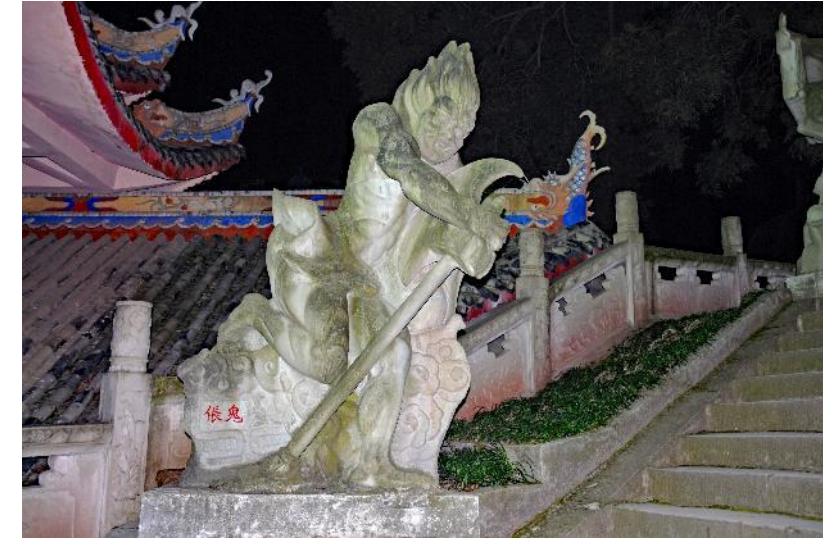
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Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

FengDu, the Ghost City on the northern bank of Yangtze with its more than 2000 years of history – and which time is better to go there than in the night



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

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Yangtze River downstream to Three Gorges Power Station

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Pictures taken by members of VDE group visiting China 2006,
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Yangtze River downstream to Three Gorges Power Station

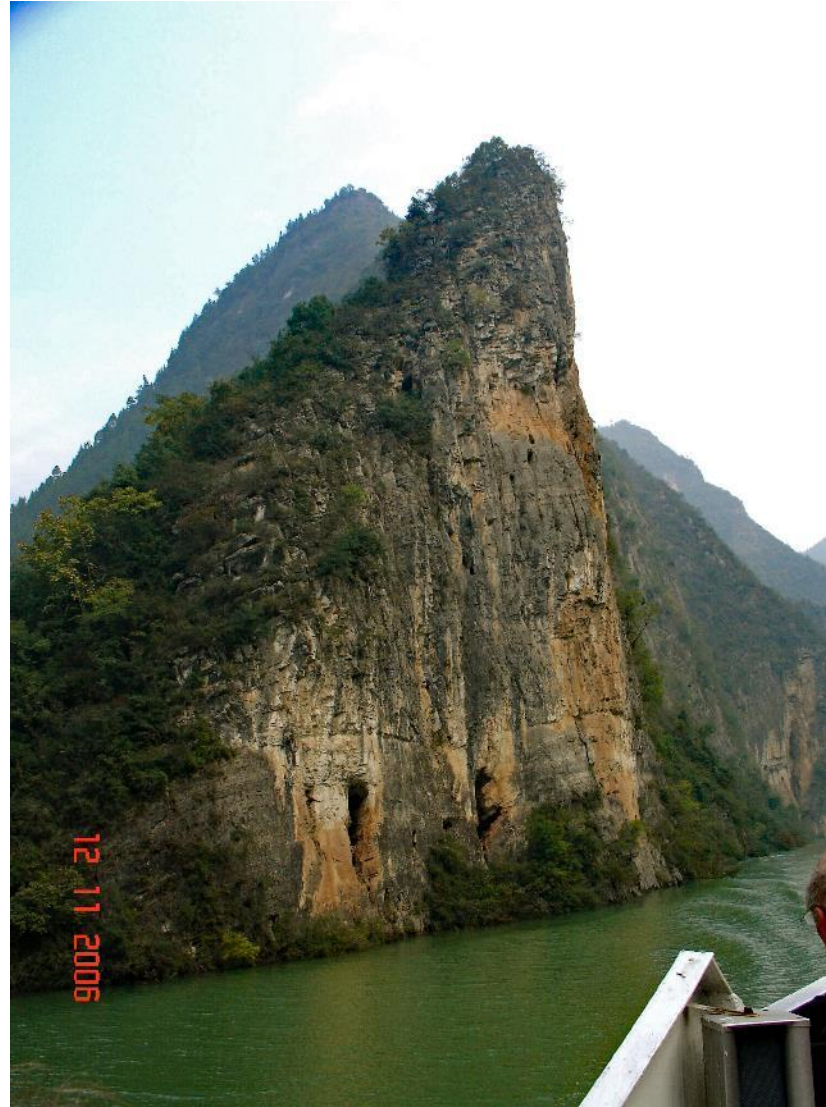
Coming closer to the Hydro Power Station we reached the „Three Gorges“



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

Coming closer to the Hydro Power Station we reached the „Three Gorges“



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

When reaching Three Gorges Power Station we first joined smaller boats to move as deep as possible into the side valleys of Yangtze River



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station

When reaching Three Gorges Power Station we first joined smaller boats to move as deep as possible into the side valleys of Yangtze River



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Yangtze River downstream to Three Gorges Power Station



Coming back to Chinese power supply, you can see here an example of coal mining in quite small hard coal mines in the mountain region of Yangtze River area. Coal will be collected in storages near the street and later on transported by river boats.



But now let's move into Three Gorges Power Station. With its 22.000 MW it is the largest Hydro Power Station in the world



The Three Gorges Dam is a hydroelectric gravity dam that spans the Yangtze River by the town of Sandouping, downstream of the Three Gorges. The Three Gorges Dam has been the world's largest power station in terms of installed capacity (22,500 MW) since 2012. The dam generates an average 95 ± 20 TWh of electricity per year, depending on annual amount of precipitation in the river basin. After the extensive monsoon rainfalls of 2020, the dam's annual production reached ~ 112 TWh, breaking the previous world record of ~ 103 TWh set by Itaipu Dam in 2016. The picture on the left side shows the situation with open valve of the spillway.

The dam body was completed in 2006. As mentioned before, we visited the Power Station in November 2006. The power plant of the dam project was completed and fully functional as of July 4, 2012, when the last of the main water turbines in the underground plant began production. Each main water turbine has a capacity of 700 MW. Coupling the dam's 32 main turbines with two smaller generators (50 MW each) to power the plant itself, the total electric generating capacity of the dam is 22,500 MW. The last major component of the project, the ship lift, was completed in December 2015.

Partly taken from Wikipedia



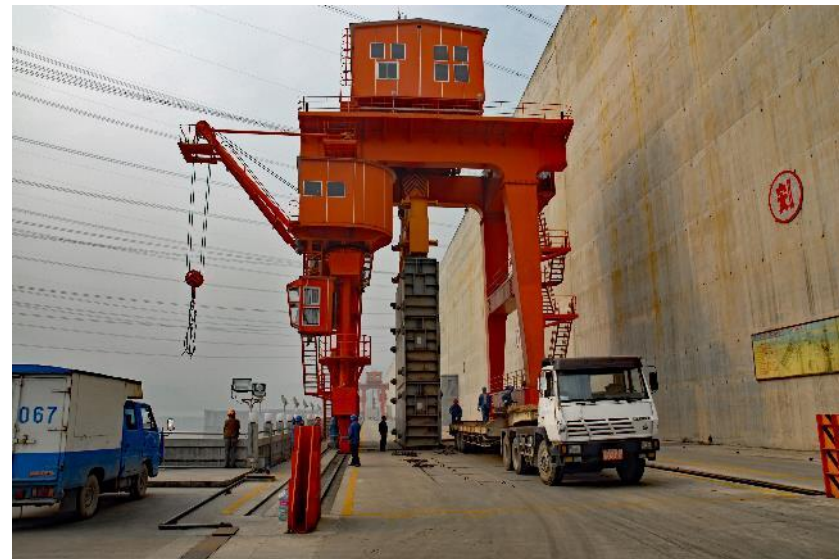
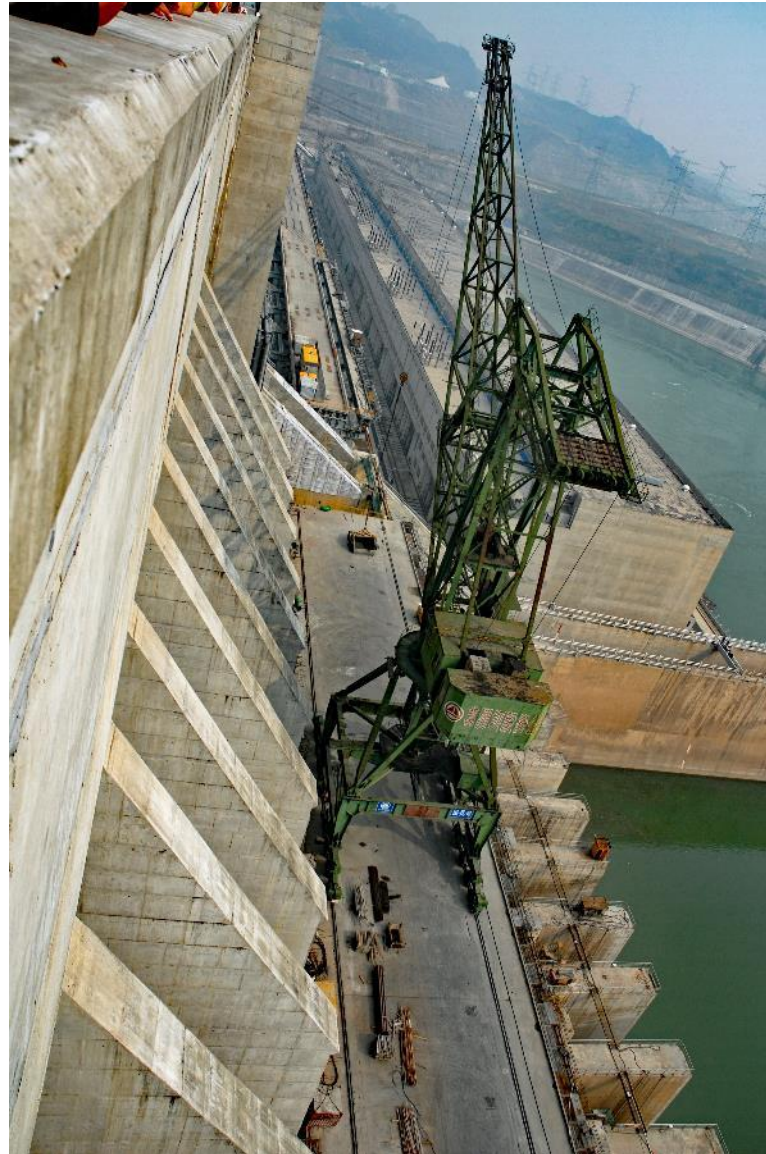
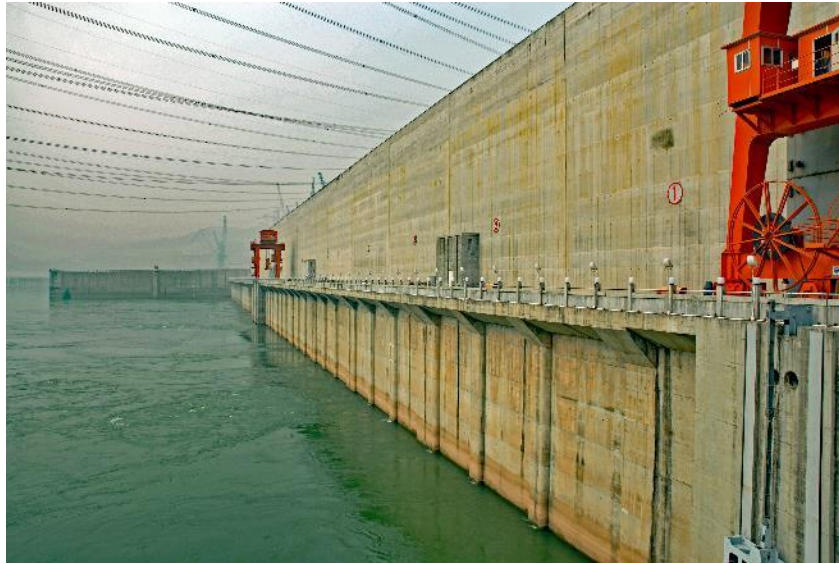
The turbine houses left and right the spillway and the ship lift on the right hand side



The dam, the ship lift and the ship locks (from right to left)

Three Gorges Power Station

The power station dam



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Three Gorges Power Station

The turbine house, inside and outside



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

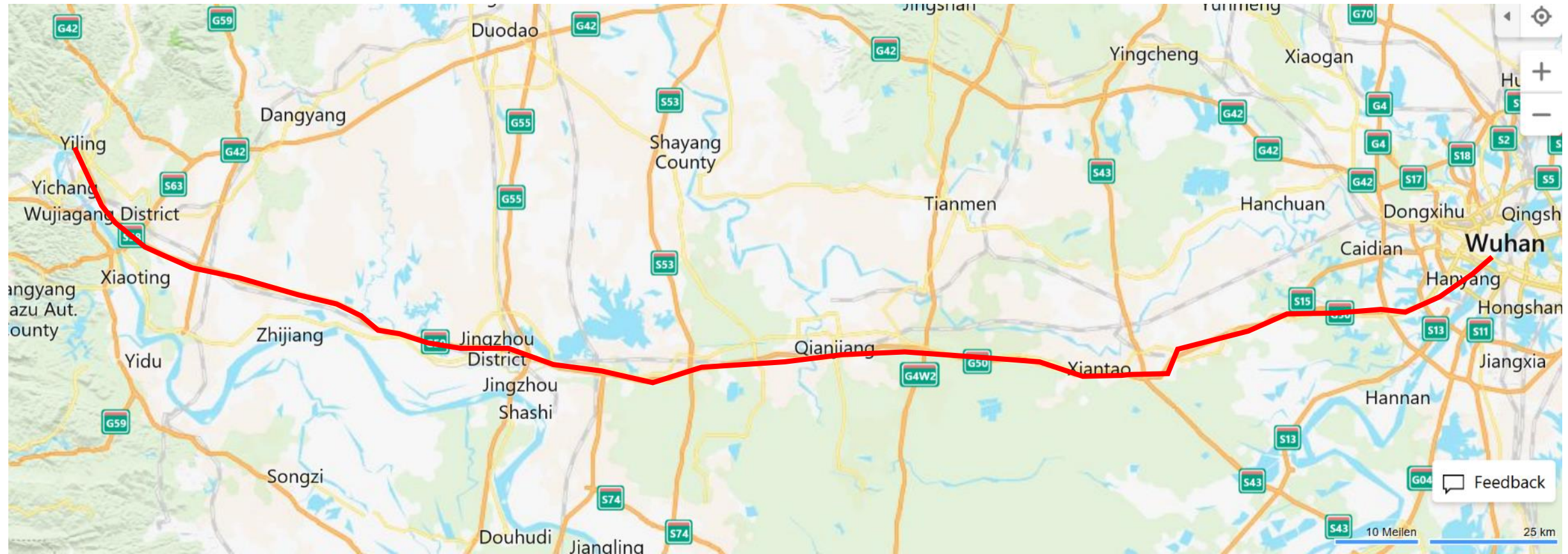
Three Gorges Power Station

The ship locks and the ship lift



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

From Three Gorges Power Station towards Wuhan



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

From Three Gorges Power Station towards Wuhan



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

From Three Gorges Power Station towards Wuhan



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING



Wuhan is the capital of Hubei Province in the People's Republic of China. It is the largest city in Hubei and the most populous city in Central China, with a population of over 11 million, the ninth-most populous Chinese city and one of the nine National Central Cities of China.

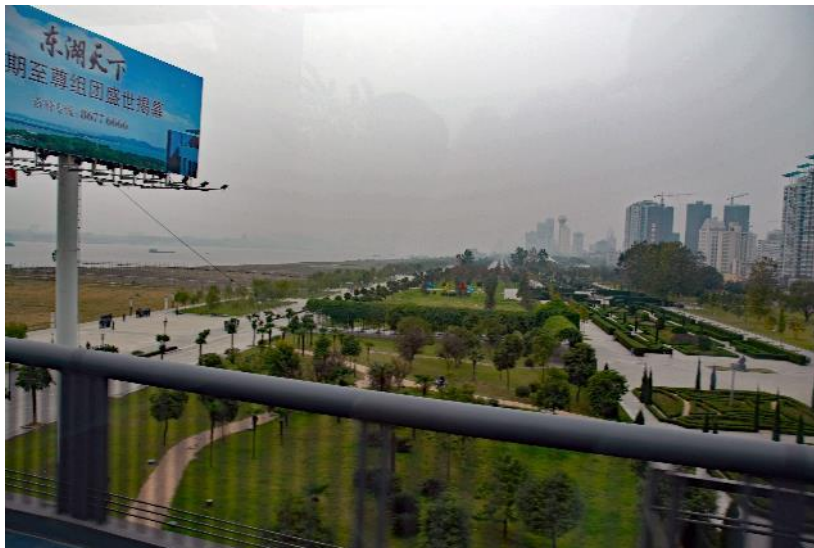
The name "Wuhan" came from the city's historical origin from the conglomeration of Wuchang, Hankou and Hanyang, which are collectively known as the "Three Towns of Wuhan".

Taken from Wikipedia

If you see the huge number of lakes in Wuhan area, you understand better, why The Gorges Power Dam was mainly built as a flood protection of Wuhan and its surroundings



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING



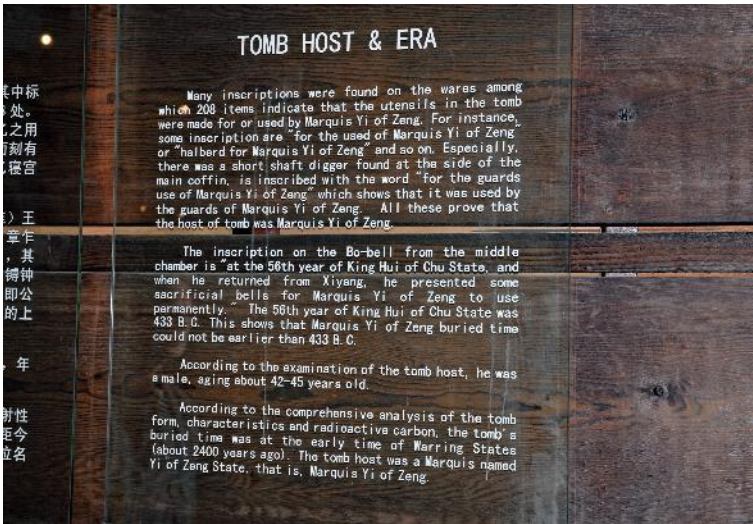
Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

The Chinese 4 seat e-scooter



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Marquis Yi of Zeng Tomb Museum



Pictures taken by members of VDE group visiting China 2006, maps are taken from BING

Marquis Yi of Zeng Tomb Museum



Pictures taken by members of VDE group visiting China 2006,
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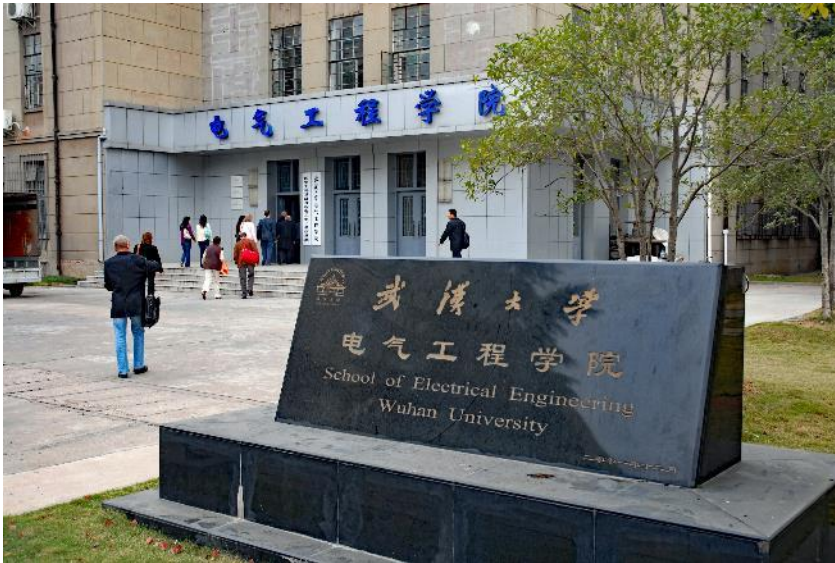
Marquis Yi of Zeng Tomb Museum

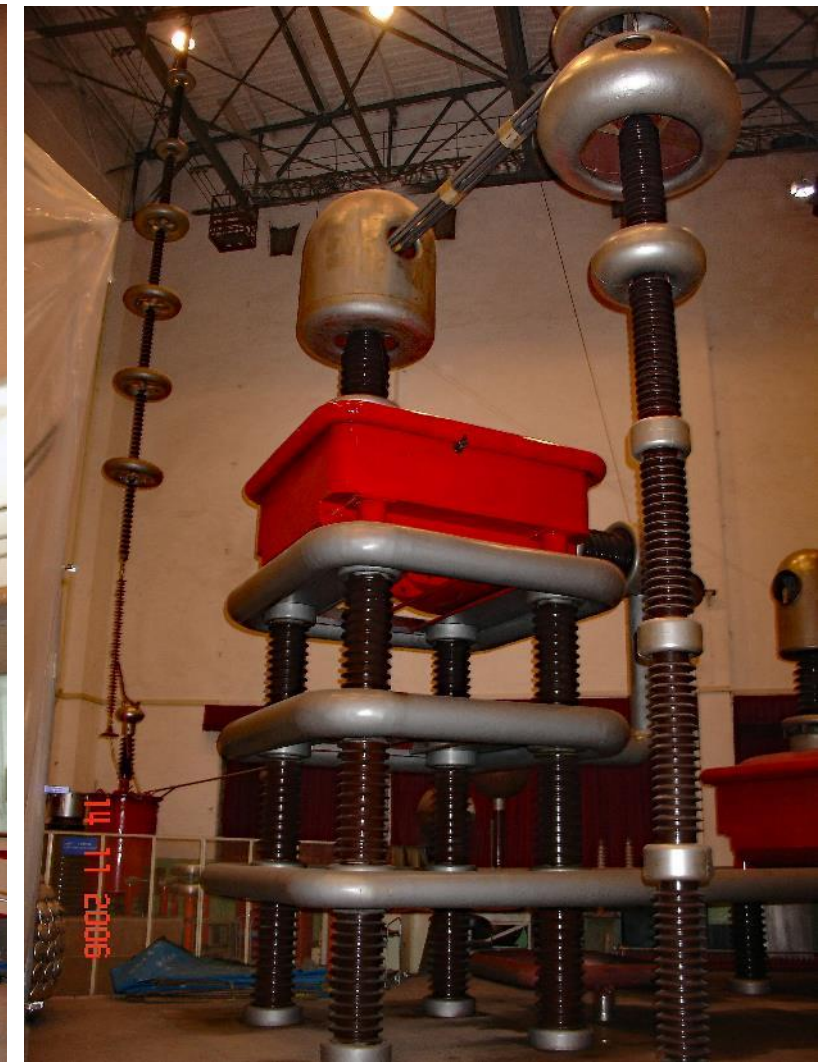
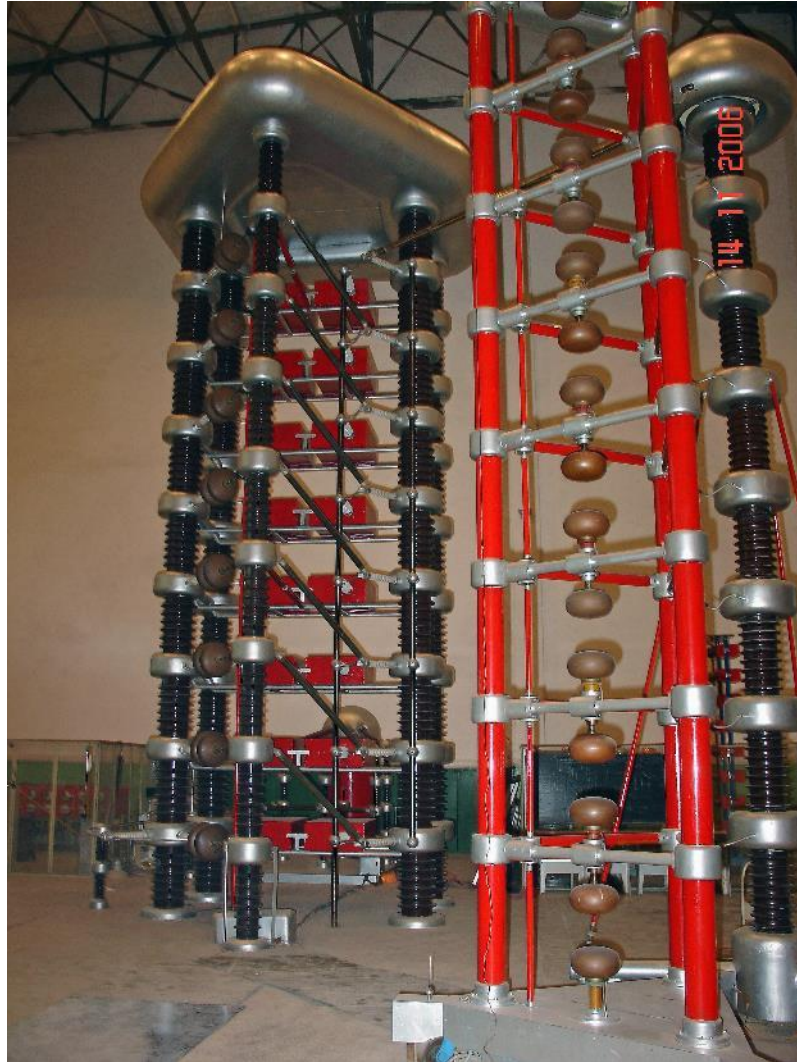


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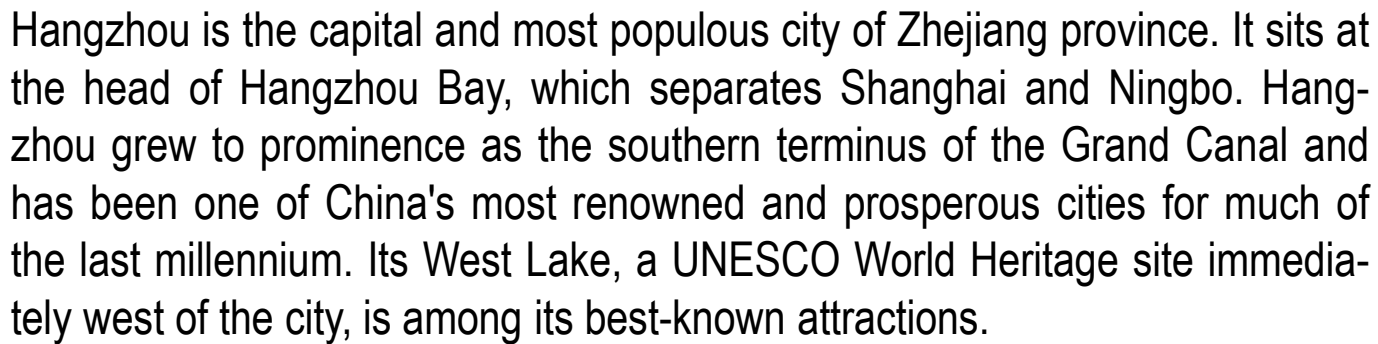


Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING





Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

This map shows the Hangzhou area, including the Westsee (West Lake) and the surrounding urban and suburban areas. Key locations include the Hangzhou Airport, Zhejiang University Xixi Campus, Zhejiang University Yuquan Campus, and the Xihu area. The map also shows the planned Line 9, which is highlighted in green. Other lines shown include Line 2 (orange), Line 4 (green), and Line 1 (red). The map includes a scale bar for 1 Meilen and a north arrow.

Hangzhou

When you enter Hangzhou you will see a lot of houses, which are untypical for large cities in China



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Nevertheless you also will find the “normal” type of houses in Chinese cities.



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Now let's start with a tour to the ancient part of Hangzhou, and as you can see, we start with the "tourist ready part"



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Now let's start with a tour to the ancient part of Hangzhou, and as you can see, we start with the "tourist ready part"



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

...before we moved into some side streets, which needs (in 2006) some repair and maintenance



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Somewhere hidden in the ancient part of Hangzhou we also found a traditional Chinese Pharmacy, which was located in a quite impressive building



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Somewhere hidden in the ancient part of Hangzhou we also found a traditional Chinese Pharmacy, which was located in a quite impressive building



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

What ever you want to buy from Chinese natural medicine, for sure you will get it there



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

What ever you want to buy from Chinese natural medicine, for sure you will get it there



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING



After a long tour through ancient Hangzhou it is time for a snack before we will proceed to West Lake....



....but sometimes „All you can eat“ will get a different meaning.....



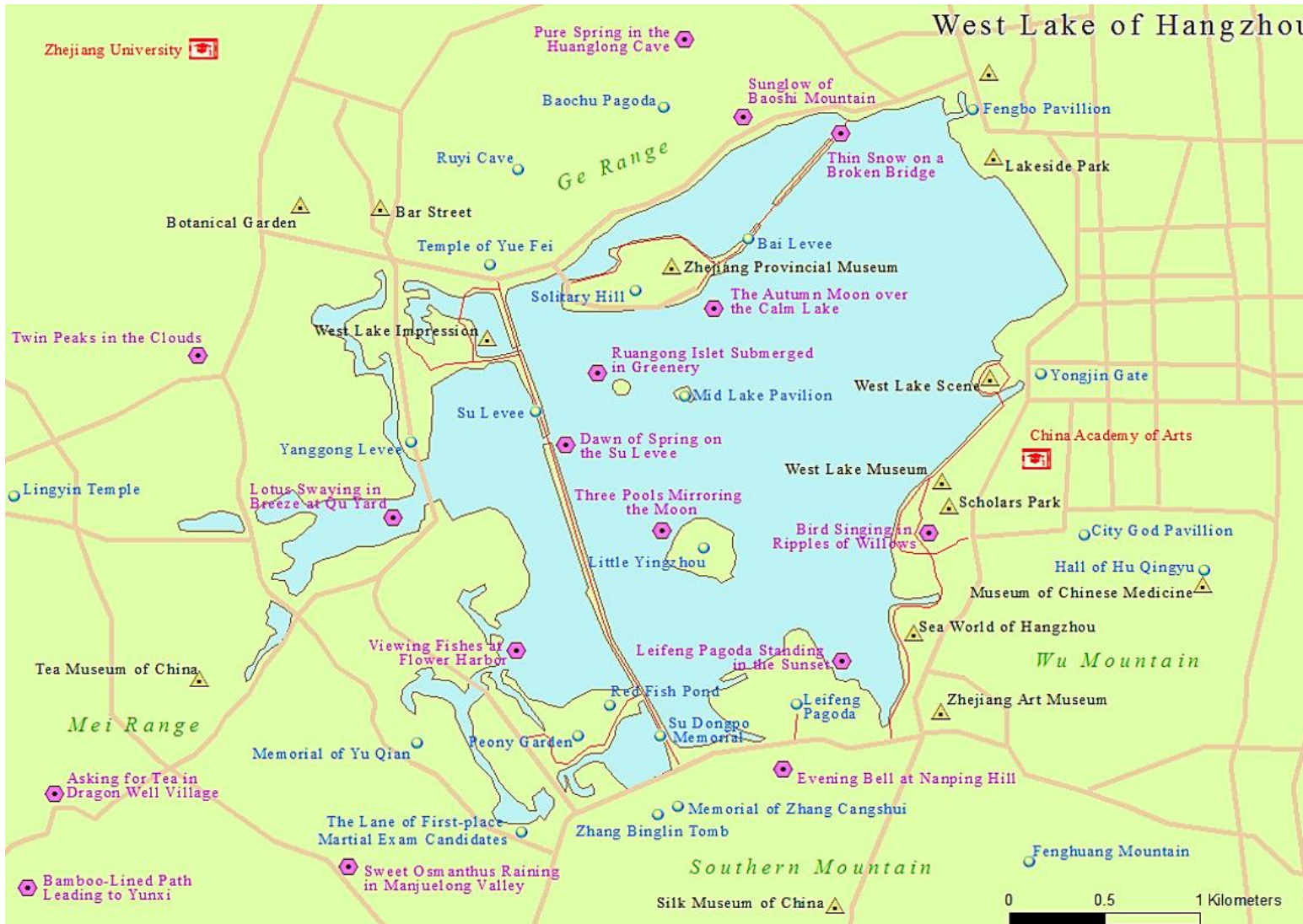
... so „Bon Appetit“.



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Hangzhou

Due to Chinese understanding the best weather conditions for visiting West Lake are light rain showers and warm temperatures – so we were partly lucky and had the light rain showers, unfortunately mid of November



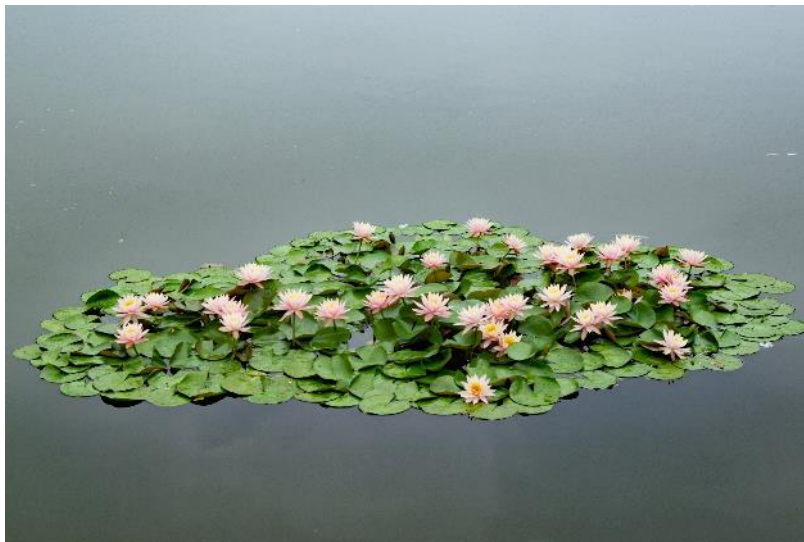
West Lake



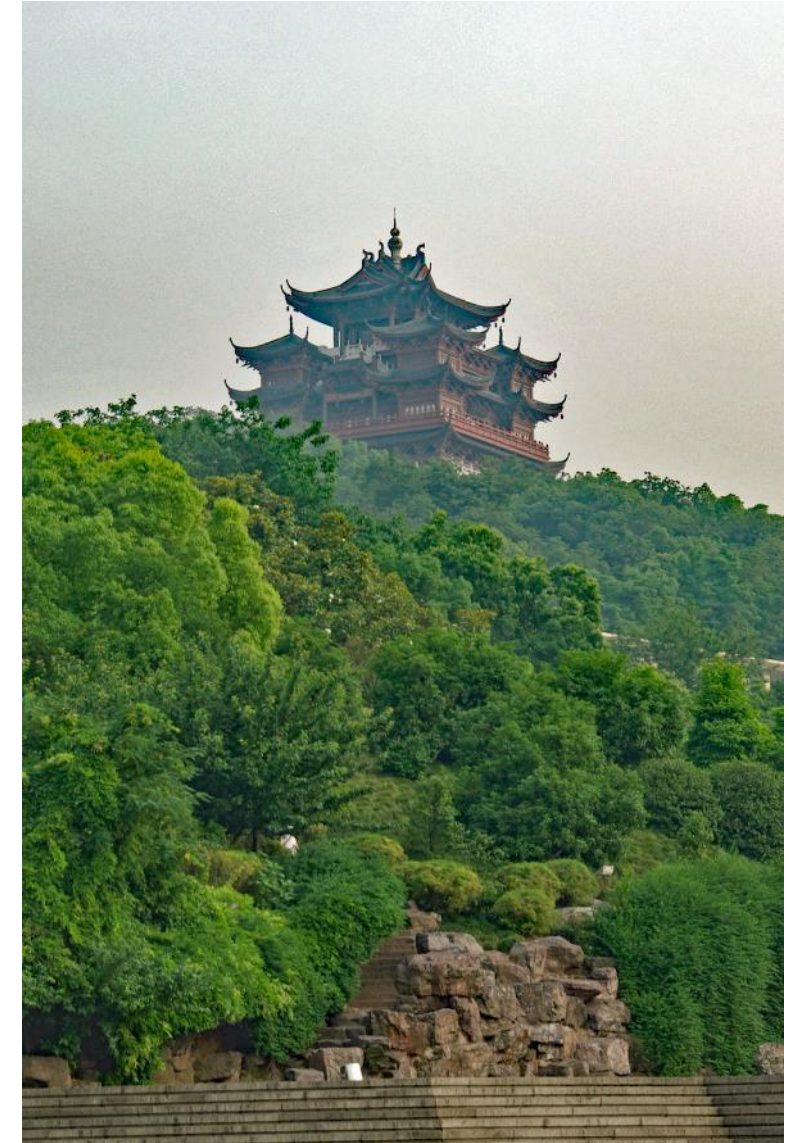
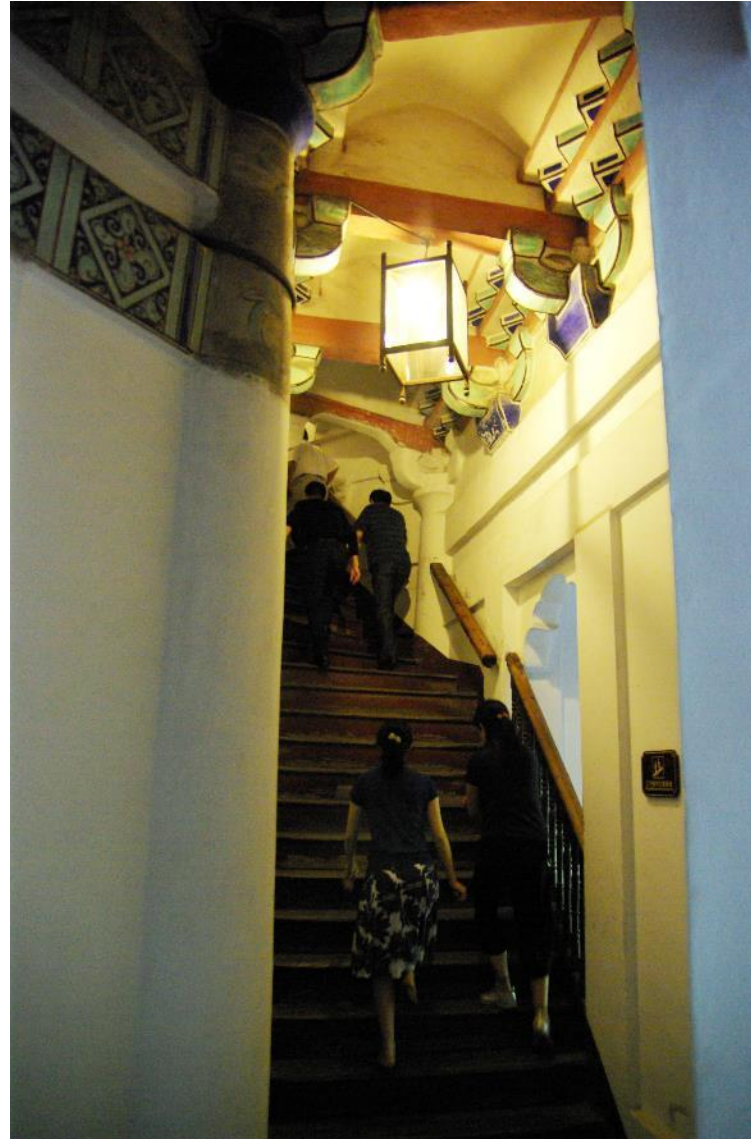
West Lake



West Lake



West Lake



Let's start with a final technical tour to see Siemens Breaker Factory in Hangzhou



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Let`s start with a final technical tour to see Siemens Breaker Factory in Hangzhou



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

Let's start with a final technical tour to see Siemens Breaker Factory in Hangzhou



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

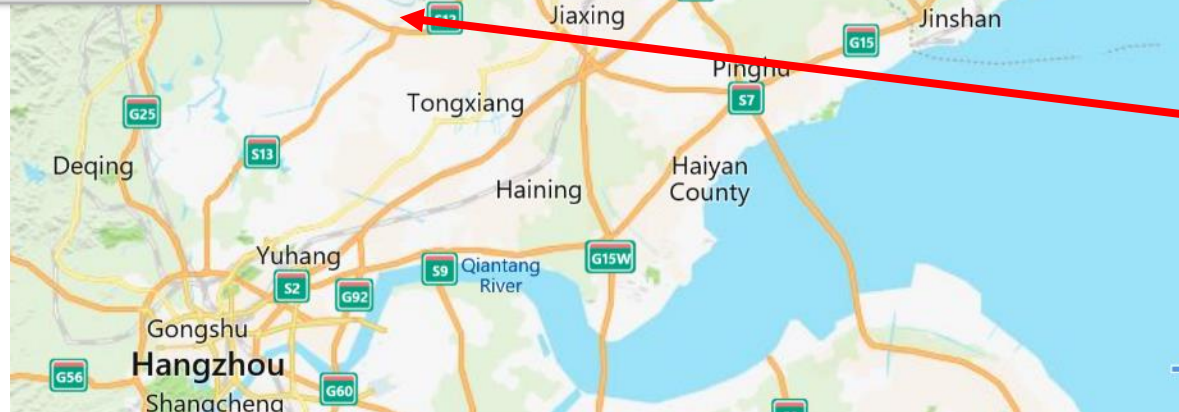
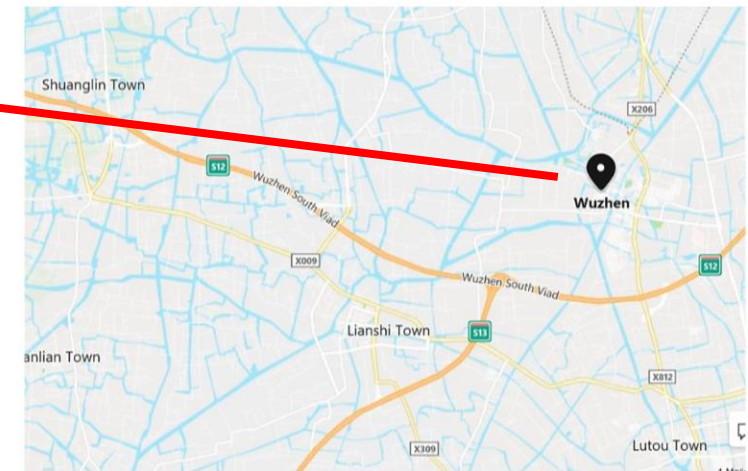
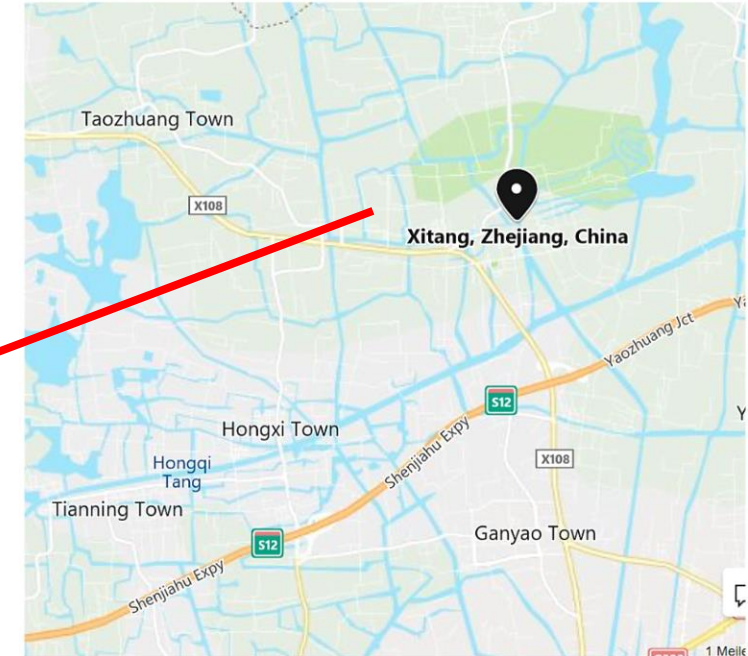
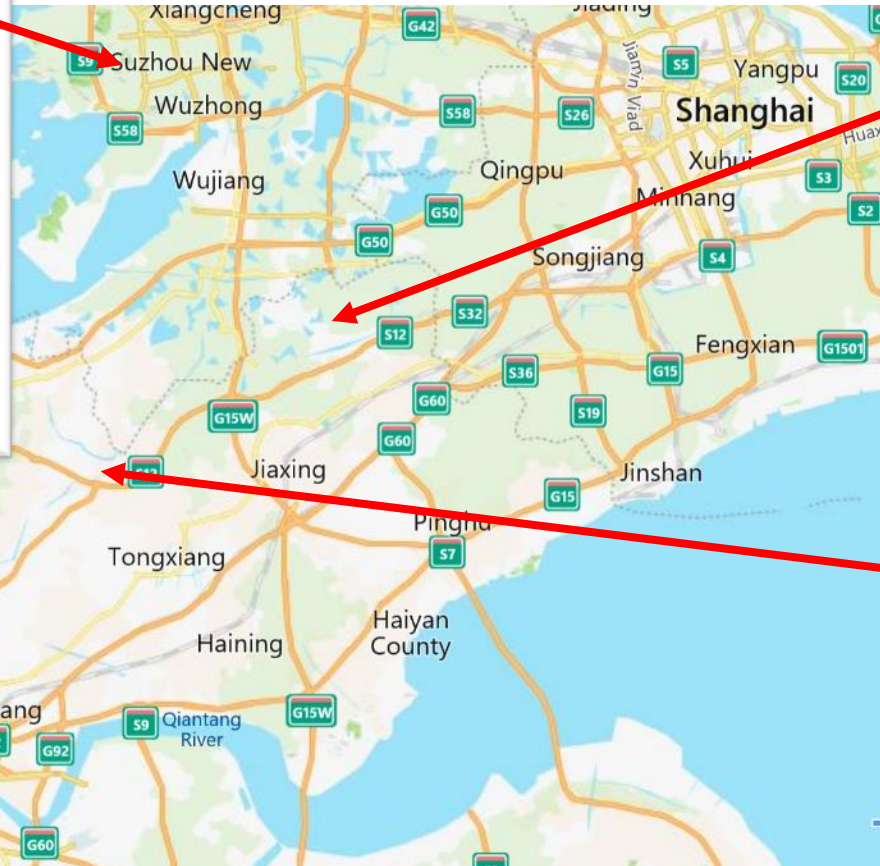
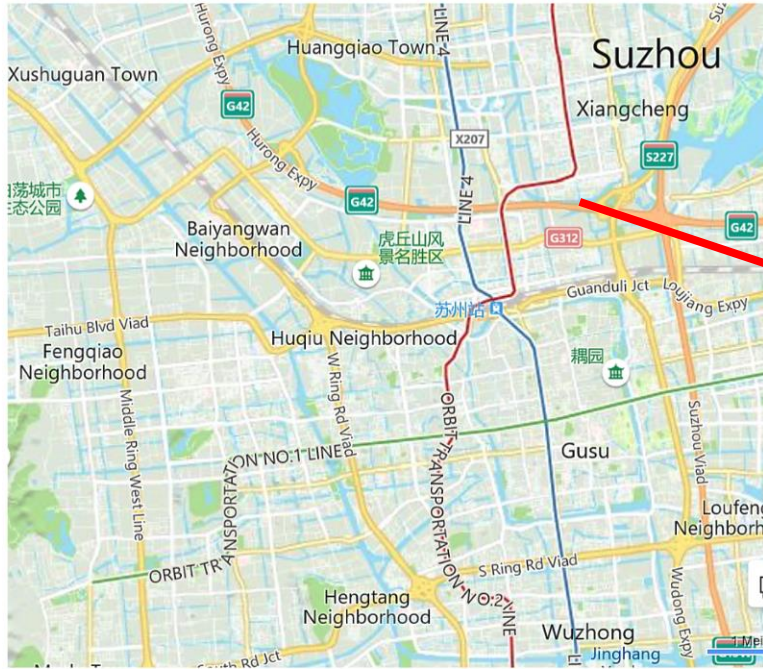
Let's start with a final technical tour to see Siemens Breaker Factory in Hangzhou



Pictures taken by members of VDE group visiting China 2006,
maps are taken from BING

From Hangzhou towards Shanghai

On our way from Hangzhou to Shanghai we passed through a large area with a huge number of small canals and small beautiful old cities. These will be part of another presentation.



Pictures taken by members of VDE group visiting China 2006, maps are taken from BING

To be continued with the presentation „The waterways and villages west of Shanghai“